OPERA®

OPERATING ACCESS

PRICE LIST 20

20 ANNIVERSARY

WELCOME IN SECURITY

OPERA IS AN INDEPENDENT COMPANY. THE PRODUCTION PREMISES ARE BASED IN MODENA - ITALY, TOWN WITH AN OLD TRADITION IN LOCK MANUFACTURING

The company was set up in 1997 and it is specialised in the manufacturing of electronic locks and doors accessories. From a company that manufactured products, Opera has evolved into a company that offers solutions aimed at improving the security and safety of individuals and their belongings. Today with more than 20 people and advanced production means, Opera is at the top of the European ranking of locks manufacturers.

OPERA®
OPERATING ACCESS

Innovators since 1997

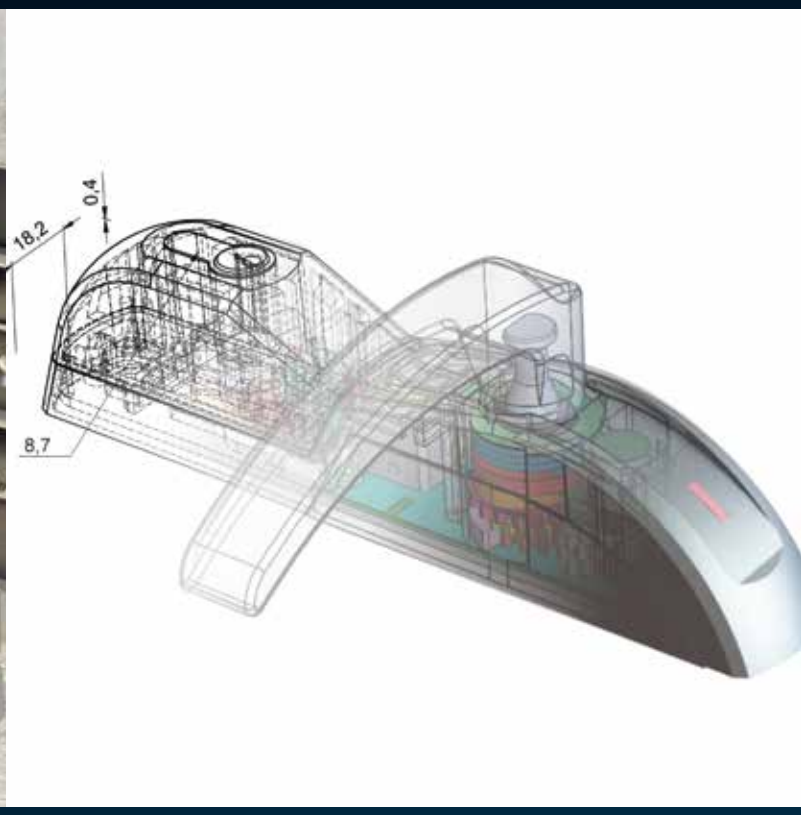
“It doesn’t make sense to hire smart people and tell them what to do; we hire smart people so they can tell us what to do”

Steve Jobs

This is the way we move in our job. We transform ideas in projects because we believe in our people and in their skills.

20th ANNIVERSARY of founding and commencement of business

To mark this milestone, Opera launched a two years series of projects and new products represented in this catalogue. We take pride in the things we do and are definitely proud of what we have achieved in 20 years, which we would like to showcase to the world.



“MADE IN OPERA”
THIS IS MUCH MORE THAN MADE IN ITALY.

100% LISTENING

Installation technicians, doors manufacturers, technical departments of the biggest companies producing security products, are our source. The request comes from the market and becomes our goal. To manufacture a product as the customer wishes is the only way of working we believe in.

100% SKILL

Engineers, electronics experts, mechanical technicians are our Research and Development department. We perform our ideas using the most innovative project software and the most modern laser cutting machines for quick prototyping.

100% MADE IN ITALY

We produce in Italy. We dot not outsource production abroad; we believe in the quality of Italian companies and of our suppliers who are 90% from within Italy. Our high quality products are produced respecting environment and all relevant European standards

100% COMMUNICATION

Our products fit for everybody. In 2013 we have created OPERA ACADEMY to update and inform the sales net about new products and field rules. In our headoffice in Modena, there is a dedicated meeting room at your disposal. You can contact us to fix an appointment, you will be our guest. If you wish, you could also visit our town and enjoy motors and gastronomy tours with professional tourist guides.

100% HOSPITABILITY

Technical data, prices, positive and negative peculiarities are visible to everybody. You only have to call or visit us on the web to get all the product information you need.

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39	00142	Connector for magnet 142 series	15,00
39	00147	Fixing plate for 14700TD	11,00
39	00147N	Fixing plate for 14700TDN	13,00
197	00212	Battery	40,40
160	00280	Fixing plate for electric lock	25,00
160	00280C	Spacer for electric lock	2,60
160	00280L	Spacer for electric lock	12,00
160	00280S	Spacer for electric lock	4,20
160	00281	Striking plate for electric lock	42,00
163	00282	Striking plate for electric lock	42,00
163	00282C	Spacer for electric lock 282	2,60
163	00282L	Spacer for electric lock 282	12,00
163	00282S	Spacer for electric lock 282	4,20
89	00360B	Spacer for rim electric strikes	1,60
89	00360BG	Spacer for rim electric strikes	1,60
71	00406	Fixing plate for electric handle	21,00
75	00428	Fixing plate for electric handle	58,00
234	00577	Barrel for digital viewer	6,00
197	00712	Battery	48,60
39	01127	Armature plate for magnets - spare part	47,00
39	01130	Armature plate for magnets - spare part	54,00
39	01134	Armature plate for magnets - spare part	50,00
39	01137	Armature plate for magnets - spare part	50,00
39	01137L	Armature plate for magnets - spare part	50,00
52	01620	Magnetic door holder	29,80
52	01620I	Magnetic door holder	35,80
52	01630	Magnetic door holder	33,00
52	01630I	Magnetic door holder	47,00
56	01740	Telescopic wall or floor bracket	53,40
56	01740B	Telescopic wall or floor bracket	53,40
56	01740BF	Wall or floor bracket	39,50
56	01740F	Wall or floor bracket	39,50
56	01740M	Telescopic wall or floor bracket	58,00
53/189	01780	Box for flush mounting	15,00
56	01800Z	Fixed striking plate	13,00
56	01805Z	Adjustable striking plate	16,30
254	01808	Extra key	31,00
56	01810Z	Fixed striking plate	26,20
56	01815Z	Adjustable striking plate	29,50
52	01820	Magnetic door holder	46,60
52	01820I	Magnetic door holder	60,00
52	01830	Magnetic door holder	50,00
52	01830I	Magnetic door holder	76,00
116	02060	Fixing plate for horizontal solenoid bolt	15,00
116	02065	Fixing plate for horizontal solenoid bolt	69,00
116	02114	Front plate for mechanical override	60,00
116	02114S	Front plate for mechanical override	98,00
116	02160	Fixing plate for horizontal solenoid bolt	15,00
116	02165	Fixing plate for horizontal solenoid bolt	69,00
194	02208	Striking plate for solenoid bolt Quadra Micro series	28,00
194	02208R	Striking plate for solenoid bolt Quadra Micro series	32,00
194	02218	Striking plate for solenoid bolt Quadra series	28,00
194	02218R	Striking plate for solenoid bolt Quadra series	32,00
193	02221	Magnetic sensor	54,00
193	02223	Magnetic sensor	19,00
193	02225	Mechanical contact	35,00
124	02238	Replacement item for Arca Slide	95,00
124	02238CF	Replacement item for Arca Slide	40,00
125	02238S	Replacement item for Arca Slide	95,00
254	02250	Defender	40,00
174	02250L	Defender for Maxima	65,00
254	02251	Spacer for Defender	1,80
194	02255	Striking plate for Maxima lock	39,00
194	02258D	Striking plate for Prima and Classica lock	36,00
194	02258DSA	Striking plate for Prima and Classica lock	60,00
194	02259	Striking plate for Prima and Classica lock	36,00
194	02259SA	Striking plate for Prima and Classica lock	60,00
194	02260D	Striking plate for Prima and Classica lock	36,00
194	02260DSA	Striking plate for Prima and Classica lock	60,00
168	02288	Fixing plate for 288 Gate bolt	31,00

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164	02290	Floor plate	45,00
128	02300	Striking plate	16,00
128	02301	Striking plate	21,00
124	02308	Cover for Arca Key	66,00
124	02308 CF	Cover for Arca Key	66,00
141	02309	Cover for Prima series lock	140,00
154	02708	Cover for Prima series lock	165,00
36	03000	Mounting bracket for electromagnetic lock	34,40
36	03000N	Mounting bracket for electromagnetic lock	40,00
36	03001	Mounting bracket for electromagnetic lock	120,00
36	03001N	Mounting bracket for electromagnetic lock	137,60
36	03002	Mounting bracket for electromagnetic lock	34,40
36	03003	Mounting bracket for electromagnetic lock	36,00
36	03004	Mounting bracket for electromagnetic lock	22,00
36	03004A	Mounting bracket for electromagnetic lock	35,50
36	03005	Cover carter	40,00
36	03006	Cover carter	48,00
37	03007	Bracket for glazed doors	54,00
94	03010	Front plate for electric strike	3,50
94	03010S	Front plate for electric strike	3,50
94	03030	Front plate for electric strike	5,50
94	03030CRO	Front plate for electric strike	7,80
94	03030GD	Front plate for electric strike	5,50
94	03030 GDR	Front plate for electric strike	14,00
95	03031	Front plate for electric strike	15,00
95	03130	Front plate for electric strike	6,30
95	03131	Front plate for electric strike	15,00
95	03132	Front plate for electric strike	15,60
95	03162	Front plate for electric strike	10,80
95	03162BA	Front plate for electric strike	10,80
96	03310	Front plate for electric strike	4,70
96	03310R	Front plate for electric strike	5,00
96	03330	Front plate for electric strike	7,30
96	03331	Front plate for electric strike	15,60
96	03342	Front plate for electric strike	15,60
97	03370	Front plate for electric strike	15,00
97	03370R	Front plate for electric strike	17,00
97	03371	Front plate for electric strike	15,00
97	03372	Front plate for electric strike	15,00
97	03374	Front plate for electric strike	15,00
97	03374R	Front plate for electric strike	17,00
97	03375	Front plate for electric strike	15,00
98	03410	Front plate for electric strike	8,30
98	03411	Front plate for electric strike	9,40
98	03431	Front plate for electric strike	50,00
98	03442	Front plate for electric strike	16,00
98	03442 BA	Front plate for electric strike	16,00
98	03445	Front plate for electric strike	18,00
98	03445 GD	Front plate for electric strike	21,00
98	03446	Front plate for electric strike	18,00
98	03446 GD	Front plate for electric strike	21,00
37	03500	Striking plate for electromagnetic lock	33,00
37	03500N	Striking plate for electromagnetic lock	39,00
37	03501	Striking plate for electromagnetic lock	70,00
37	03501N	Striking plate for electromagnetic lock	80,00
177	03510	Vertical handle	122,00
177	03515	Vertical Handle	122,00
177	03520	Horizontal handle	122,00
177	03525	Horizontal handle	122,00
37	03600	Striking plate for electromagnetic lock	33,00
37	03600N	Striking plate for electromagnetic lock	39,00
37	03601	Striking plate for electromagnetic lock	103,00
37	03601N	Striking plate for electromagnetic lock	119,00
37	03700	Striking plate for electromagnetic lock	33,00
37	03700N	Striking plate for electromagnetic lock	39,00
37	03701	Striking plate for electromagnetic lock	119,00
37	03701N	Striking plate for electromagnetic lock	136,00
37	03705	Cover carter	40,00
38	03706	Cover carter	48,00
38	03707	Striking plate for electromagnetic lock	57,00
38	03707L	Striking plate for electromagnetic lock	57,00

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38	03707LN	Striking plate for electromagnetic lock	69,00
38	03707N	Striking plate for electromagnetic lock	69,00
38	03708	Striking plate for electromagnetic lock	132,00
38	03708L	Striking plate for electromagnetic lock	165,00
38	03708LN	Striking plate for electromagnetic lock	188,00
38	03708N	Striking plate for electromagnetic lock	149,00
38	03709	Cover carter for shear lock	71,00
38	03709N	Cover carter for shear lock	83,00
38	03710	Cover carter for shear lock	71,00
38	03710N	Cover carter for shear lock	83,00
185	OP04500 56	Indicator lamp	116,00
185	OP04500 58	Indicator lamp	150,00
185	OP04501 56	Indicator lamp	99,00
185	OP04501 58	Indicator lamp	130,00
174	04925	Motor for Maxima lock- spare part	170,00
196	05110G	Manual call point	24,00
65/196	05110R	Manual call point	24,00
196	05110V	Manual call point	24,00
56/64	05115	Unlocking/reset manual push button	19,00
64	05203A	Heat and smoke detector	70,00
64	05204A	Heat and smoke detector	52,00
64	05206A	Test spray for smoke detector	54,00
64	05207	Fire alarm sounder	74,00
196	05210	Transformer	46,00
196	05211	Transformer	32,00
192	05257	Intercom interface for locks management	86,00
192	05258	Relay module	39,00
192	05259	Relay module	21,00
192	05260	Relay module	75,00
192	05261	Voice circuit	130,00
196	05301C	Timer	240,00
197	05310	Switching power supply	120,00
197	05312A	Switching power supply	246,00
197	05320A	Switching power supply	135,00
197	05325A	Switching power supply	260,00
197	05326A	Switching power supply	270,00
197	05330BD	Switching power supply	135,00
197	05330XSA	Switching power supply	140,00
197	05331A	Switching power supply	149,00
197	05332A	Switching power supply	161,00
175	05426	Cable for Maxima lock	7,00
191	05501	Rim mounting box	34,30
191	05502	Rim mounting box	35,30
191	05502PD	Rim mounting box	38,00
191	05503	Rim mounting box	39,50
191	05504	Rim mounting box	41,60
186	05512	Electronic control unit	172,00
186	05513	Intercom receiver	74,00
186	05514	Intercom receiver	275,00
186	05515	Intercom porter	100,00
190	05540	Rim mounting box	15,00
190	05540N	Rim mounting box	15,00
237	05647	Push button	73,00
237	05648	Loud speaker	53,00
237	05650	Cover carter	160,00
238	05651	Cover carter	140,00
244	05820	Cover	160,00
244	05821	Cover	85,00
252	05912WEB	Software	400,00
215	05913	Serial converter	490,00
251	05914	Wi-fi data router	300,00
251	05916	SD memory card	20,00
251	05917	Battery	16,00
254	08010 06	Euro profile cylinder	77,00
254	08010 07	Euro profile cylinder	81,00
254	08010 08	Euro profile cylinder	81,00
254	08010 09	Euro profile cylinder	86,00
254	08010 10	Euro profile cylinder	87,00
254	08010 11	Euro profile cylinder	88,00
254	08010 12	Euro profile cylinder	90,00
254	08010 13	Euro profile cylinder	98,00

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254	08010 14	Euro profile cylinder	99,00
254	08010 15	Euro profile cylinder	99,00
254	08010 19	Euro profile cylinder	106,00
254	08010 20	Euro profile cylinder	106,00
254	08010 21	Euro profile cylinder	106,00
254	08010 22	Euro profile cylinder	106,00
254	08030 01	Euro profile cylinder	59,00
254	08030 04	Euro profile cylinder	59,00
254	08030 05	Euro profile cylinder	60,00
254	08030 06	Euro profile cylinder	60,00
254	08030 08	Euro profile cylinder	61,00
254	08030 11	Euro profile cylinder	61,00
254	08030 13	Euro profile cylinder	62,00
254	08030 20	Euro profile cylinder	65,00
254	08040 00	Key selector	173,00
195	08600	Lead cover	32,00
195	08601	Lead cover	50,00
195	08605	Lead cover	25,00
195	08608	Lead cover	47,00
195	08610	Lead cover	28,00
195	08619	Lead cover	32,00
195	08620	Lead cover	32,00
195	08630	Lead cover	24,00
195	08640	Lead cover	33,00
195	08641	Lead cover	37,00
195	08650	Tappet contact	8,00
193	08700	Anti rebound ball-catch	34,00
99	08710	Latch lock	19,00
99	08711A	Latch lock	31,00
28	12500	Electromagnetic lock Safety series	187,00
28	12700	Electromagnetic lock Safety series	187,00
28	12800	Electromagnetic lock Safety series	187,00
28	12800M	Electromagnetic lock Safety series	212,00
28	12800MN	Electromagnetic lock Safety series	233,00
28	12800N	Electromagnetic lock Safety series	208,00
29	13000	Electromagnetic lock Safety series	256,00
29	13000N	Electromagnetic lock Safety series	276,00
29	13100	Electromagnetic lock Safety series	287,00
29	13100N	Electromagnetic lock Safety series	308,00
29	13100TD	Electromagnetic lock Safety series	318,00
29	13100TDN	Electromagnetic lock Safety series	339,00
30	13400	Electromagnetic lock Safety series	244,00
30	13400M	Electromagnetic lock Safety series	262,00
30	13500	Electromagnetic lock Safety series	187,00
30	13500M	Electromagnetic lock Safety series	208,00
30	13600	Electromagnetic lock Safety series	200,00
30	13600N	Electromagnetic lock Safety series	221,00
31	13700	Electromagnetic lock Safety series	218,00
35	13700KIT TF	Electromagnetic lock Safety series	449,00
35	13700KIT TFB	Electromagnetic lock Safety series	608,60
31	13700N	Electromagnetic lock Safety series	239,00
31	13700TD	Electromagnetic lock Safety series	245,00
31	13700TDL	Electromagnetic lock Safety series	260,00
31	13700TDLN	Electromagnetic lock Safety series	284,00
31	13700TDN	Electromagnetic lock Safety series	266,00
32	13800	Electromagnetic lock Safety series	499,00
32	13900	Electromagnetic lock Safety series	258,00
32	13900M	Electromagnetic lock Safety series	296,00
32	14000	Electromagnetic lock Safety series	575,00
32	14000N	Electromagnetic lock Safety series	608,00
33	14212R	Electromagnetic lock Safety series	276,00
33	14224R	Electromagnetic lock Safety series	276,00
33	14700TD	Electromagnetic lock Safety series	360,00
33	14700TDBR	Electromagnetic lock Safety series	380,00
33	14700TDN	Electromagnetic lock Safety series	380,00
33	14710TD	Electromagnetic lock Safety series	380,00
33	14710TDBR	Electromagnetic lock Safety series	400,00
33	14710TDN	Electromagnetic lock Safety series	400,00
34	14800TD	Electromagnetic lock Safety series	760,00
52	17003A	Electromagnetic door holder	172,00
53	18003	Electromagnetic door holder	31,20

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55	18004	Electromagnetic door holder	62,40
53	18005	Electromagnetic door holder	111,30
53	18005B	Electromagnetic door holder	111,30
55	18100	Electromagnetic door holder	64,50
55	18101	Electromagnetic door holder	66,60
55	18104	Electromagnetic door holder	80,00
53	19000	Electromagnetic door holder	30,00
53	19000GC	Electromagnetic door holder	30,00
53	19000GCR	Electromagnetic door holder	38,30
53	19000R	Electromagnetic door holder	38,30
53	19001	Electromagnetic door holder	31,80
53	19001GC	Electromagnetic door holder	31,80
53	19001GCR	Electromagnetic door holder	40,10
53	19001R	Electromagnetic door holder	40,10
54	19002	Electromagnetic door holder	33,30
54	19002GD	Electromagnetic door holder	37,50
54	19002GDR	Electromagnetic door holder	45,80
54	19002N	Electromagnetic door holder	33,30
54	19002NR	Electromagnetic door holder	41,60
54	19002R	Electromagnetic door holder	41,60
106	20610.12	Horizontal solenoid bolt	223,00
109	20610XS.12	Horizontal solenoid bolt	213,00
106	20610.24	Horizontal solenoid bolt	223,00
109	20610XS24	Horizontal solenoid bolt	213,00
106	20611.12	Horizontal solenoid bolt	206,00
109	20611XS.12	Horizontal solenoid bolt	195,00
106	20611.24	Horizontal solenoid bolt	206,00
109	20611.XS24	Horizontal solenoid bolt	195,00
106	20612	Horizontal solenoid bolt	300,00
106	20613.12	Horizontal solenoid bolt	145,00
109	20613XS.12	Horizontal solenoid bolt	135,00
106	20613.24	Horizontal solenoid bolt	145,00
109	20613XSAM.12	Horizontal solenoid bolt	143,00
109	20613XS.24	Horizontal solenoid bolt	135,00
109	20613XSAM.24	Horizontal solenoid bolt	143,00
107	20810.12	Horizontal solenoid bolt	223,00
107	20810.24	Horizontal solenoid bolt	223,00
109	20810XS.12	Horizontal solenoid bolt	213,00
109	20810XS.24	Horizontal solenoid bolt	213,00
107	20811.12	Horizontal solenoid bolt	206,00
109	20811XS.12	Horizontal solenoid bolt	195,00
107	20811.24	Horizontal solenoid bolt	206,00
109	20811XS.24	Horizontal solenoid bolt	195,00
107	20812	Horizontal solenoid bolt	300,00
107	20813.12	Horizontal solenoid bolt	145,00
107	20813.24	Horizontal solenoid bolt	145,00
109	20813XS.12	Horizontal solenoid bolt	135,00
109	20813XSAM.12	Horizontal solenoid bolt	143,00
109	20813XS.24	Horizontal solenoid bolt	135,00
109	20813XSAM.24	Horizontal solenoid bolt	143,00
108	20910.12	Horizontal solenoid bolt	240,00
108	20910.24	Horizontal solenoid bolt	240,00
108	20910A.12	Horizontal solenoid bolt	240,00
108	20910A.24	Horizontal solenoid bolt	240,00
110	20910XS.12	Horizontal solenoid bolt	229,00
110	20910XS.24	Horizontal solenoid bolt	229,00
110	20910XSA.12	Horizontal solenoid bolt	229,00
110	20910XSA.24	Horizontal solenoid bolt	229,00
108	20911.12	Horizontal solenoid bolt	223,00
108	20911.24	Horizontal solenoid bolt	223,00
108	20911A.12	Horizontal solenoid bolt	223,00
108	20911A.24	Horizontal solenoid bolt	223,00
110	20911XS.12	Horizontal solenoid bolt	212,00
110	20911XS.24	Horizontal solenoid bolt	212,00
110	20911XSA.12	Horizontal solenoid bolt	212,00
110	20911XSA.24	Horizontal solenoid bolt	212,00
108	20913.12	Horizontal solenoid bolt	163,00
108	20913.24	Horizontal solenoid bolt	163,00
108	20913A.12	Horizontal solenoid bolt	163,00
108	20913A.24	Horizontal solenoid bolt	163,00
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110	20913XSA.12	Horizontal solenoid bolt	152,00
110	20913XSA.24	Horizontal solenoid bolt	152,00
110	20913XSAAM.12	Horizontal solenoid bolt	160,00
110	20913XSAAM.24	Horizontal solenoid bolt	160,00
110	20913XSAM.12	Horizontal solenoid bolt	160,00
110	20913XSAM.24	Horizontal solenoid bolt	160,00
111	21610	Horizontal solenoid bolt	223,00
111	21611	Horizontal solenoid bolt	206,00
111	21612	Horizontal solenoid bolt	300,00
111	21613	Horizontal solenoid bolt	145,00
111	21613AM	Horizontal solenoid bolt	153,00
114	21614	Horizontal solenoid bolt	273,00
114	21614S	Horizontal solenoid bolt	311,00
114	21615	Horizontal solenoid bolt	256,00
114	21615S	Horizontal solenoid bolt	294,00
114	21616	Horizontal solenoid bolt	350,00
114	21616S	Horizontal solenoid bolt	388,00
112	21810	Horizontal solenoid bolt	223,00
112	21811	Horizontal solenoid bolt	206,00
112	21812	Horizontal solenoid bolt	300,00
112	21813	Horizontal solenoid bolt	145,00
112	21813AM	Horizontal solenoid bolt	153,00
115	21814	Horizontal solenoid bolt	273,00
115	21814S	Horizontal solenoid bolt	311,00
115	21815	Horizontal solenoid bolt	256,00
115	21815S	Horizontal solenoid bolt	294,00
115	21816	Horizontal solenoid bolt	350,00
115	21816S	Horizontal solenoid bolt	388,00
113	21910	Horizontal solenoid bolt	240,00
113	21911	Horizontal solenoid bolt	223,00
113	21913	Horizontal solenoid bolt	163,00
113	21913AM	Horizontal solenoid bolt	171,00
115	21914	Horizontal solenoid bolt	290,00
115	21914S	Horizontal solenoid bolt	328,00
115	21915	Horizontal solenoid bolt	273,00
115	21915S	Horizontal solenoid bolt	311,00
122	22800M	Motor rim lock for cabinets	110,00
123	22912	Electric lock Arca Key series	250,00
123	22912CS	Electric lock Arca Key series	270,00
123	22924	Electric lock Arca Key series	250,00
123	22924CS	Electric lock Arca Key series	270,00
128	23000	Double action lock for swing door	236,00
125	23622S	Electric lock for sliding doors	300,00
125	23624S	Electric lock for sliding doors	300,00
124	23800	Electric lock for sliding doors	200,00
124	23800FG	Electric lock for sliding doors	220,00
124	23822	Electric lock for sliding doors	280,00
124	23822FG	Electric lock for sliding doors	300,00
124	23824	Electric lock for sliding doors	280,00
124	23824FG	Electric lock for sliding doors	300,00
125	23822S	Electric lock for sliding doors	280,00
125	23824S	Electric lock for sliding doors	280,00
136	24600	Solenoid bolt Prima Series	497,00
136	24608	Solenoid bolt Prima Series	560,00
136	24609	Solenoid bolt Prima Series	560,00
144	24620	Solenoid bolt Prima Series	615,00
144	24628	Solenoid bolt Prima Series	675,00
136	24800	Solenoid bolt Prima Series	497,00
136	24808	Solenoid bolt Prima Series	560,00
136	24809	Solenoid bolt Prima Series	560,00
144	24820	Solenoid bolt Prima Series	615,00
144	24828	Solenoid bolt Prima Series	675,00
174	25500	Solenoid bolt Prima Series	645,00
174	25511	Solenoid bolt Prima Series	673,00
138	25600	Solenoid bolt Prima Series	388,00
138	25608	Solenoid bolt Prima Series	458,00
138	25609	Solenoid bolt Prima Series	458,00
145	25620	Solenoid bolt Prima Series	520,00
145	25628	Solenoid bolt Prima Series	580,00
138	25800	Solenoid bolt Prima Series	388,00

PAG.	ART.	DESCRIPTION	€
138	25808	Solenoid bolt Prima Series	458,00
138	25809	Solenoid bolt Prima Series	458,00
145	25820	Solenoid bolt Prima Series	520,00
145	25828	Solenoid bolt Prima Series	580,00
139	25900	Solenoid bolt Prima Series	388,00
139	25908	Solenoid bolt Prima Series	458,00
139	25909	Solenoid bolt Prima Series	458,00
140	25910	Solenoid bolt Prima Series	410,00
140	25918	Solenoid bolt Prima Series	480,00
140	25919	Solenoid bolt Prima Series	480,00
152	26800	Solenoid bolt Classica Series	497,00
152	26808	Solenoid bolt Classica Series	560,00
152	26809	Solenoid bolt Classica Series	560,00
153	27800	Solenoid bolt Classica Series	388,00
153	27808	Solenoid bolt Classica Series	458,00
153	27809	Solenoid bolt Classica Series	458,00
154	27900	Solenoid bolt Classica Series	388,00
154	27908	Solenoid bolt Classica Series	458,00
154	27909	Solenoid bolt Classica Series	458,00
160	28001	Rim electric lock for gates and doors	365,00
160	28002	Rim electric lock for gates and doors	385,00
160	28003	Rim electric lock for gates and doors	375,00
162	28201	Rim electric lock for gates and doors	415,00
162	28203.1	Rim electric lock for gates and doors	425,00
164	28700	Electric dead bolt for garage doors	402,00
164	28710	Electric dead bolt for garage doors	418,00
166	28720	Motorised deadbolt - Legion series	490,00
166	28720N	Motorised deadbolt - Legion series	490,00
168	28800	Electric dead bolt for gates - Gate bolt series	418,00
168	28800LC	Electric dead bolt for gates - Gate bolt series	272,00
82	31012	Mortice electric strikes	29,00
82	31012DC	Mortice electric strikes	34,00
84	31012DCF	Mortice electric strikes	77,00
84	31012TD	Mortice electric strikes	75,00
84	31012DCPN	Mortice electric strikes	72,00
83	31012UNI	Mortice electric strikes	35,00
82	31024DC	Mortice electric strikes	34,00
82	31112	Mortice electric strikes	32,00
82	31112DC	Mortice electric strikes	37,00
83	31112UNI	Mortice electric strikes	37,00
82	31124DC	Mortice electric strikes	37,00
82	31212	Mortice electric strikes	33,00
82	31212DC	Mortice electric strikes	38,00
82	31212L	Mortice electric strikes	33,00
82	31212LDC	Mortice electric strikes	38,00
83	31212UNI	Mortice electric strikes	38,00
82	31224DC	Mortice electric strikes	38,00
82	31224LDC	Mortice electric strikes	38,00
82	31312	Mortice electric strikes	35,00
82	31312DC	Mortice electric strikes	40,00
82	31312L	Mortice electric strikes	35,00
82	31312LDC	Mortice electric strikes	40,00
83	31312UNI	Mortice electric strikes	40,00
82	31324DC	Mortice electric strikes	40,00
82	31324LDC	Mortice electric strikes	40,00
82	31412A	Mortice electric strikes	37,00
84	31412F	Mortice electric strikes	42,00
82	31512A	Mortice electric strikes	43,60
84	31812	Mortice electric strikes	79,00
84	31824	Mortice electric strikes	79,00
85	32012	Mortice electric strikes	33,00
86	32012PL	Mortice electric strikes	58,00
86	32012PLM	Mortice electric strikes	98,00
85	32112	Mortice electric strikes	35,00
86	32112PL	Mortice electric strikes	60,00
86	32112PLM	Mortice electric strikes	100,00
85	32212	Mortice electric strikes	35,00
86	32212PL	Mortice electric strikes	75,00
86	32312PL	Mortice electric strikes	77,00
85	32312	Mortice electric strikes	37,00
85	32812	Mortice electric strikes	79,00

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PAG.	ART.	DESCRIPTION	€
85	32824	Mortice electric strikes	79,00
87	33012	Mortice electric strikes	29,00
87	33112	Mortice electric strikes	32,00
87	33212	Mortice electric strikes	32,00
87	33312	Mortice electric strikes	34,00
87	33412	Mortice electric strikes	35,00
87	33512	Mortice electric strikes	37,00
88	34602	Mortice electric strikes	135,00
88	34604	Mortice electric strikes	135,00
88	34622	Mortice electric strikes	135,00
88	34624	Mortice electric strikes	135,00
88	34802	Mortice electric strikes	160,00
88	34804	Mortice electric strikes	160,00
88	34822	Mortice electric strikes	160,00
88	34824	Mortice electric strikes	160,00
85	35412	Mortice electric strikes	36,00
85	35512	Mortice electric strikes	38,00
89	36012B	Electric strikes for panic bar	132,00
89	36012BM	Electric strikes for panic bar	179,00
89	36412B	Electric strikes for panic bar	140,00
89	36612B	Electric strikes for panic bar	142,00
89	36612BM	Electric strikes for panic bar	187,00
89	36624B	Electric strikes for panic bar	146,00
89	36624BM	Electric strikes for panic bar	191,00
89	36812B	Electric strikes for panic bar	170,00
89	36812BM	Electric strikes for panic bar	215,00
89	36824B	Electric strikes for panic bar	174,00
89	36824BM	Electric strikes for panic bar	220,00
90	37012	Mortice electric strikes for armoured doors	66,00
90	37212	Mortice electric strikes for armoured doors	52,00
90	37312	Mortice electric strikes for armoured doors	55,00
90	37412	Mortice electric strikes for armoured doors	52,00
90	37512	Mortice electric strikes for armoured doors	55,00
90	37612	Mortice electric strikes for armoured doors	98,00
90	37624	Mortice electric strikes for armoured doors	98,00
90	37812	Mortice electric strikes for armoured doors	98,00
90	37824	Mortice electric strikes for armoured doors	98,00
91	38012	Mortice electric strikes for armoured doors	82,00
91	38412	Mortice electric strikes for armoured doors	88,00
91	38612	Mortice electric strikes for armoured doors	116,00
91	38624	Mortice electric strikes for armoured doors	116,00
91	38812	Mortice electric strikes for armoured doors	139,00
91	38824	Mortice electric strikes for armoured doors	139,00
92	39012A	Electric strike for glazed door	184,00
92	39812A	Electric strike for glazed door	206,00
70	40600	Electric handle - Smart trim series	350,00
70	40600B	Electric handle - Smart trim series	364,00
70	40600GM	Electric handle - Smart trim series	364,00
70	40601	Electric handle - Smart trim series	410,00
70	40601B	Electric handle - Smart trim series	424,00
70	40601GM	Electric handle - Smart trim series	424,00
72	40610	Electric handle - Smart trim series	375,00
72	40610B	Electric handle - Smart trim series	364,00
72	40610N	Electric handle - Smart trim series	364,00
72	40611	Electric handle - Smart trim series	436,00
72	40611B	Electric handle - Smart trim series	426,00
72	40611N	Electric handle - Smart trim series	426,00
74	40620	Electric handle - Smart trim series	436,00
74	40620B	Electric handle - Smart trim series	426,00
74	40620N	Electric handle - Smart trim series	426,00
74	40621	Electric handle - Smart trim series	490,00
74	40621B	Electric handle - Smart trim series	480,00
74	40621N	Electric handle - Smart trim series	480,00
70	40800	Electric handle - Smart trim series	350,00
70	40800B	Electric handle - Smart trim series	364,00
70	40800GM	Electric handle - Smart trim series	364,00
70	40801	Electric handle - Smart trim series	410,00
70	40801B	Electric handle - Smart trim series	424,00
70	40801GM	Electric handle - Smart trim series	424,00
72	40810	Electric handle - Smart trim series	375,00
72	40810B	Electric handle - Smart trim series	364,00

PAG.	ART.	DESCRIPTION	€
72	40810N	Electric handle - Smart trim series	364,00
72	40811	Electric handle - Smart trim series	436,00
72	40811B	Electric handle - Smart trim series	426,00
72	40811N	Electric handle - Smart trim series	426,00
224	40814	Electric handle - Acces series	270,00
224	40814GD	Electric handle - Acces series	270,00
224	40814MF	Electric handle - Acces series	270,00
224	40814MFGD	Electric handle - Acces series	270,00
74	40820	Electric handle - Smart trim series	436,00
74	40820B	Electric handle - Smart trim series	426,00
74	40820N	Electric handle - Smart trim series	426,00
74	40821	Electric handle - Smart trim series	490,00
74	40821B	Electric handle - Smart trim series	480,00
74	40821N	Electric handle - Smart trim series	480,00
177	44000	Switch push bar	150,00
43	51300	Time delay module	61,00
43	51400	Time delay module	145,00
43	51500	Time delay module	61,00
63	52002	Single zone fire control	250,00
177	53500	Sensitive card	187,00
177	53501	Sensitive card	210,00
175	54250	Electronic unit for 1 door	285,00
175	54255	Electronic unit for 2 doors	677,00
129	54610	Electronic unit for 1 door	203,00
44/130	54611A	Control system control - 1 door	346,00
44/130	54612A	Control system control - 2 doors	374,00
130	54613A	Control system control - 3 doors	721,00
130	54614A	Control system control - 4 doors	748,00
129	54710	Electronic unit for 2 doors	408,00
44	55001	Exit system - electronic	490,00
45	55003	Eemrgency door kit	760,00
47	55005	Alarm system electronic	216,00
183	55010	Red/green indicator lamp	99,00
183	55010 BR	Red/green indicator lamp	99,00
183	55010GD	Red/green indicator lamp	104,00
183	55010N	Red/green indicator lamp	99,00
183	55011	Red/green indicator lamp	120,00
183	55011BR	Red/green indicator lamp	120,00
183	55011GD	Red/green indicator lamp	125,00
183	55011N	Red/green indicator lamp	120,00
183	55012	Red/green indicator lamp	167,00
183	55012BR	Red/green indicator lamp	167,00
183	55012GD	Red/green indicator lamp	172,00
183	55012N	Red/green indicator lamp	167,00
184	55013	External porter	120,00
184	55013BR	External porter	120,00
184	55013GD	External porter	125,00
184	55013N	External porter	120,00
184	55014	Red/green indicator lamp	182,00
184	55014BR	Red/green indicator lamp	182,00
184	55014GD	Red/green indicator lamp	187,00
184	55014N	Red/green indicator lamp	182,00
188	55017	Door release push button	73,00
188	55018	Door release push button	73,00
189	55020	Antivandal door release push button	65,00
189	55020EX	Antivandal door release push button	65,00
189	55020NT	Antivandal door release push button	65,00
189	55021	Door release push button	65,00
189	55022	Door release push button	73,00
189	55023	Door release push button	73,00
142	OP55036	Solenoid bolt - Prima OP series	416,00
142	OP55038	Solenoid bolt - Prima OP series	416,00
143	OP55039	Solenoid bolt - Prima OP series	416,00
143	OP5503910	Solenoid bolt - Prima OP series	439,00
182	55030	Indicator lamp	99,00
182	55030BR	Indicator lamp	99,00
182	55030N	Indicator lamp	99,00
182	55031	Indicator lamp	120,00
182	55031BR	Indicator lamp	120,00
182	55031N	Indicator lamp	120,00
182	55033	Intercom porter	120,00

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PAG.	ART.	DESCRIPTION	€
182	55033BR	Intercom porter	120,00
182	55033N	Intercom porter	120,00
190	55040	Key Switch	30,00
190	55040N	Key Switch	30,00
190	55041	Key Switch	70,00
198	55414	Four channel receiver	86,00
198	55416	Two channel receiver	78,00
198	55417	Mini receiver	68,00
198	55418	Mini receiver	68,00
199	55420	Remote controller	40,00
199	55420RC	Remote controller	46,00
199	55421	Remote controller	44,00
199	55421RC	Remote controller	50,00
204	55510RF	Linea hotel	350,00
204	55510RFA	Linea hotel	350,00
204	55510RFZC	Linea hotel	350,00
205	55510ZC	Linea hotel	194,00
205	55512	Linea hotel	130,00
205	55514	Linea hotel	241,00
204	55514RF	Linea hotel	110,00
206	55516	Linea hotel	10,00
206	55516SLA	Linea hotel	12,00
206	55516SLB	Linea hotel	13,50
206	55519	Linea hotel	350,00
207	55520	Linea hotel	700,00
209	55520A	Linea hotel	550,00
208	55530	Linea hotel	390,00
208	55531	Relay module	150,00
209	55534	Data center management for lockers	800,00
214	55611NET	Multilink Net electronic unit	390,00
219	55612	Keypad	157,00
219	55612CR	Keypad	157,00
219	55612PD	Keypad	260,00
219	55612PDC	Keypad	230,00
219	55612PDN	Keypad	270,00
219	55612PDCN	Keypad	240,00
219	55612SS	Keypad	240,00
219	55612SSC	Keypad	300,00
220	55613	Additional card reader	180,00
220	55613AL	Additional card reader	205,00
215	55613NET	Card reader	280,00
220	55614	Trasponder reader	131,00
215	55614NET	Trasponder reader	310,00
220	55614SC	Trasponder reader	131,00
221	55614PD	Trasponder reader	120,00
221	55614PDN	Trasponder reader	120,00
223	55615	Magnetic card	4,40
223	55615SLA	Magnetic card	6,20
223	55615SLB	Magnetic card	7,70
215	55616NET	USB / RS485 converter	190,00
215	55618NET	TTL/ RS485 converter	45,00
221	55618PD	Dallas reader - iButton	125,00
221	55618PDN	Dallas reader - iButton	125,00
216	55622NET	Multilink Net software	300,00
236	55640	Card reader	3500,00
238	55641	Card reader	470,00
238	55641AL	Card reader	670,00
238	55642	Card reader	650,00
238	55642AL	Card reader	850,00
238	55643	Card reader	690,00
238	55644	Card reader	850,00
218	56611A	Minilink electronic of access control	150,00
223	56616	Trasponder	4,40
223	56616SLA	Trasponder	6,20
223	56616SLB	Trasponder	7,70
223	56616T	Trasponder	6,80
223	56616W	Trasponder	18,40
239	57300	Stand alone Keypad	250,00
240	57312	Stand alone Keypad	270,00
240	57312N	Stand alone Keypad	280,00
240	57313	Stand alone Keypad	240,00

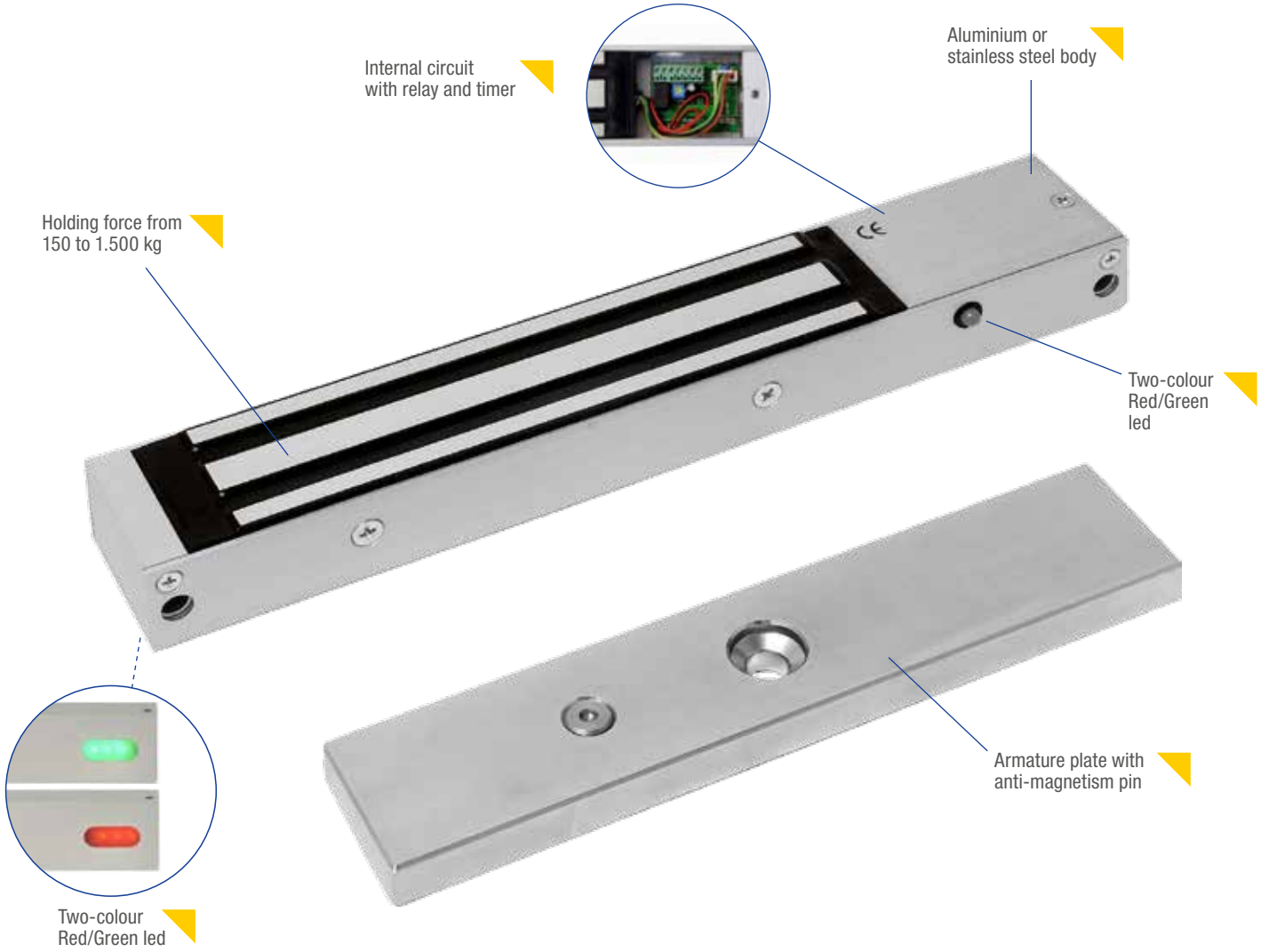
PAG.	ART.	DESCRIPTION	€
240	57313N	Stand alone Keypad	250,00
241	57320	Wireless keypad	210,00
226	57401	Bluetooth door opener	300,00
228	57501	GSM Terminal	300,00
228	57501RF	GSM Terminal - radio transmission	350,00
229	57512RF	Radio keypad	180,00
229	57512SRF	Radio keypad	310,00
229	57515RF	Radio repeater	150,00
229	57516RF	Relay Module	150,00
232	57600	Videocamera HIT	400,00
234	57700	Digital door viewer	90,00
234	57700GD	Digital door viewer	90,00
234	57701	Digital door viewer	110,00
234	57701GD	Digital door viewer	110,00
242	58000	Touch Key Reader	160,00
242	58000N	Touch Key Reader	160,00
242	58013	Toukch Key	56,00
242	58013N	Toukch Key	56,00
223	58015	Touch Key Dallas	11,00
223	58015G	Touch Key Dallas	12,00
223	58015R	Touch Key Dallas	12,00
223	58015V	Touch Key Dallas	12,00
222	58018ML	Dallas reader - iButton	115,00
222	58018MLN	Dallas reader - iButton	115,00
244	58200SA	Biometric	570,00
244	58200SB	Biometric	780,00
250	59001	People Counter	320,00
250	59001RF	People Counter	390,00
250	59002	People Counter	480,00
250	59002RF	People Counter	550,00
253	59013	Mini Counter People	250,00
60	60000	Hydraulic damper	288,00
60	60001	Hydraulic damper	306,00
61	65000	Hydraulic shock absorber	104,00
61	65000SV	Hydraulic shock absorber	94,00
61	65001	Hydraulic shock absorber	156,00
61	65001SV	Hydraulic shock absorber	146,00
58	Art + AC	Variant	8,30
58	Art + ALV	Variant	14,40
110	Art + AM	Variant	8,00
64	Art + BRA	Variant	54,00
124	Art + CF	Variant	-30,00
136	Art + CS	Variant	40,00
71	Art + DM	Variant	65,00
160	Art + DR	Variant	20,00
53	Art + DV	Variant	8,00
58	Art + HV	Variant	5,70
58	Art + F	Variant	3,20
254	Art + KA	Variant	23,00
58	Art + LF	Variant	4,00
58	Art + LV	Variant	5,70
58	Art + M	Variant	28,00
70	Art + MEC	Variant	62,00
136	Art. + PK	Variant	60,00
53	Art + R	Variant	8,30
136	Art + SA	Variant	38,00
160	Art + SC	Variant	-5,00
168	Art + W	Variant	42,00
136	Art + XL	Variant	30,00
139	CC090	Connector for solenoid bolt	12,00
139	CC091	Connector for solenoid bolt	16,00
130	REL12V	12V relay	34,00
130	REL24V	24V relay	34,00

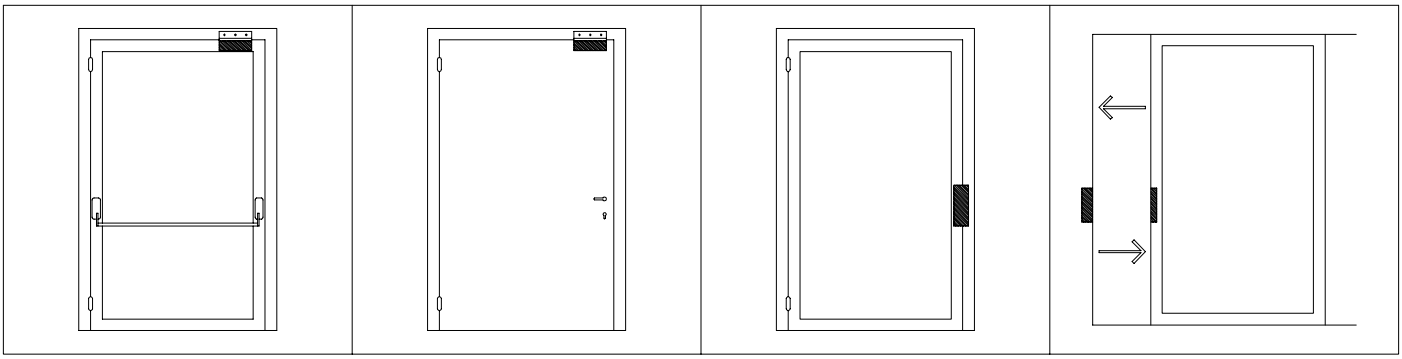
SAFETY

- SECURITY ELECTROMAGNETS
- IDEAL FOR EMERGENCY EXITS AND CONDOMINIUM ENTRY DOORS
- SILENT AND RESISTANT
- HOLDING FORCE FROM 150 TO 1500 KG
- CAN BE APPLIED ON PRE-EXISTING DOORS

SAFETY

www.opera-italy.com





Controlled emergency exits | Office internal doors | Condominium front doors | Sliding doors

PLUS

- Solenoid lock with electromagnetic holding
- Fail safe
- Easy to fix or introduce on pre-existing doors
- No maintenance or regulations needed in the course of time
- No mechanical wear out

AVAILABLE COLOURS

Silver | Bronze | Black

CONDOMINIUM FRONT DOOR EXAMPLE

CONDOMINIUM FRONT DOOR EXAMPLE

- Always closed door guarantee
- Silent fonctionning
- No maintenance on the electromagnet or regulation of the door closer
- Fail safe
- External opening by key switch, remote control or access control

Art.	Description

12500

MICRO ELECTROMAGNETIC LOCK

Version: **for mortice fixing**
body in stainless steel protected against humidity
Dimensions of the body (mm): 170 x 32 x 24
Total dimensions with side wings (mm): 200 x 32 x 24
Armature plate with residual anti-magnetism pin:
(mm) 152 x 32 x 8
Operating voltage: 12 Vdc
Current: 350 mA
Holding force: up to 150 Kg.
Use: locking system for sliding doors, safe deposit boxes and cabinets

Packaging: electromagnet, armature plate and accessories for assembly

12700

MICRO ELECTROMAGNETIC LOCK

Version: **for surface fixing**
body in stainless steel protected against humidity
Dimensions (mm): 170 x 32 x 24
Armature plate with residual anti-magnetism pin:
(mm) 152 x 32 x 8
Operating voltage: 12 Vdc
Current: 350 mA
Holding force: up to 150 Kg.
Use: anti-pani locking system for swing doors

Packaging: electromagnet, flat fixing plate, armature plate and accessories for assembly

MICRO ELECTROMAGNETIC LOCK

Version: **for surface fixing**
Dimensions (mm): 200 x 36 x 24
Armature plate with residual anti-magnetism pin:
(mm) 152 x 32 x 8
Operating voltage: 12/24 Vdc
Current: 350 mA in 12V / 250 mA in 24V
Holding force: up to 150 Kg.
Use: anti-panic locking system for swing doors

12800 Body in silver anodized aluminium
12800N Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, armature plate and accessories for assembly

MICRO ELECTROMAGNETIC LOCK

Version: **for surface fixing**
Body in silver anodized aluminium
Dimensions (mm): 200 x 36 x 24
Armature plate with residual anti-magnetism pin:
(mm) 152 x 32 x 8
Operating voltage: 12/24 Vdc
Current: 350 mA
Internal state sensor with C./N.O./N.C. contact
Holding force: up to 150 Kg.
Use: anti-panic closing system for swing doors

12800M Body in silver anodized aluminium
12800MN Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly

Art.	Description

13000
13000N

ELECTROMAGNETIC LOCK MAXI SERIES

Version: **for surface fixing**
Dimensions (mm): 265 x 66 x 41
Counterplate with residual anti-magnetism pin:
(mm) 185 x 60 x 16
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
Holding force: up to 600 Kg.
Use: Security closing system for swing doors
Body in silver anodized aluminium
Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, counterplate and accessories for assembly

13100
13100N

ELECTROMAGNETIC LOCK MAXI SERIES WITH SENSOR

Version: **for surface fixing**
Dimensions (mm): 265 x 66 x 41
Counterplate with residual anti-magnetism pin:
(mm) 185 x 60 x 16
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.
Holding force: up to 600 Kg.
Use: Security closing system for swing doors
Body in silver anodized aluminium
Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, counterplate and accessories for assembly

13100TD
13100TDN

ELECTROMAGNET MAXI WITH ADJUSTABLE TRIMMER FOR RECLOSING TIME

Version: **for surface fixing**
Dimensions (mm): 265 x 66 x 41
Counterplate with residual anti-magnetism pin:
(mm) 185 x 60 x 16
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.
Holding force: up to 600 Kg.
Internal trimmer for reclosing time adjustable from 1 to 90 seconds
Use: Security closing system for swing doors
Body in silver anodized aluminium
Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, counterplate and accessories for assembly

Art.	Description

MIDI ELECTROMAGNETIC LOCK

Version: **for surface fixing**
Body in stainless steel with rounded sides, protected against humidity
Dimensions (mm): 230 x 45 x 30
Armature plate with anti-magnetism pin (mm): 185 x 45 x 14
Operating voltage: 12 Vdc
Current: 350 mA @ 12 V
Holding force: up to 350 Kg.
Use: Security locking system for swing doors

13400 Without sensor
13400M With state sensor

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly

13500

ELECTROMAGNETIC LOCK MINI SERIES

Version: **for mortice fixing**
Fixing bracket in silver anodized aluminium
Dimensions (mm): 227 x 38 x 27
Armature plate with residual anti-magnetism pin:
(mm) 185 x 37 x 12
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
Holding force: up to 300 Kg.
Use: Security locking system for sliding doors

Packaging: electromagnet, Armature plate and accessories for assembly

13500M

ELECTROMAGNETIC LOCK MINI SERIES WITH SENSOR

Version: **for mortice fixing**
Fixing bracket in silver anodized aluminium
Dimensions (mm): 227 x 38 x 27
Armature plate with residual anti-magnetism pin:
(mm) 185 x 37 x 12
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.
Holding force: up to 300 Kg.
Use: Security locking system for sliding doors

Packaging: electromagnet, Armature plate and accessories for assembly

ELECTROMAGNETIC LOCK MINI SERIES

Version: **for surface fixing**
Dimensions (mm): 250 x 41 x 24
Armature plate with residual anti-magnetism pin:
(mm) 185 x 37 x 12
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
Holding force: up to 300 Kg.
Use: Security locking system for swing doors

13600 Body in silver anodized aluminium
13600N Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly

Art.	Description

ELECTROMAGNETIC LOCK MINI SERIES WITH SENSOR

Version: **for surface fixing**
Dimensions (mm): 250 x 41 x 24
Armature plate with residual anti-magnetism pin:
(mm) 185 x 37 x 12
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.
Holding force: up to 300 Kg.
Use: Security locking system for swing doors

13700 Body in silver anodized aluminium
13700N Body in black anodized aluminium

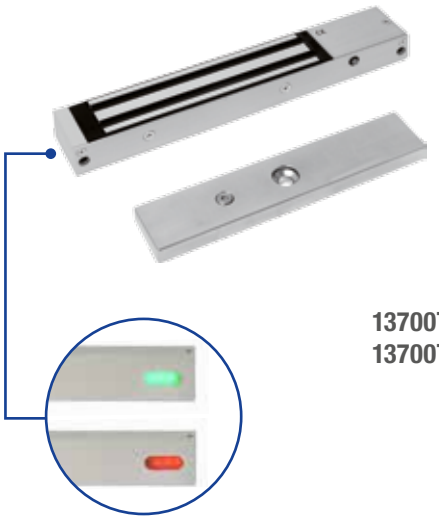
Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly

ELECTROMAGNET MINI WITH ADJUSTABLE TRIMMER FOR RECLOSING TIME

Version: **for surface fixing**
Dimensions (mm): 250 x 41 x 24
Armature plate with residual anti-magnetism pin:
(mm) 185 x 37 x 12
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.
Holding force: up to 300 Kg.
Relock time delay adjustable from 1 to 90 seconds
Use: Security locking system for swing doors

13700TD Body in silver anodized aluminium
13700TDN Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly



ELECTROMAGNET MINI WITH ADJUSTABLE TRIMMER FOR RECLOSING TIME AND MAXI LED

Version: **for surface fixing**
Dimensions (mm): 265 x 49 x 29
Armature plate with residual anti-magnetism pin:
(mm) 185 x 45 x 14
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
State sensor with Hall Effect - Relay C. - N.O. - N.C.
Two coloured Red/Green LED for door status indication located in the back of the magnet body
Holding force: up to 360 Kg.
Relock time delay adjustable from 1 to 80 seconds
Use: Security locking system for swing doors

13700TDL Body in silver anodized aluminium
13700TDLN Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, Armature plate and accessories for assembly

Art.	Description

13800

ELECTROMAGNET SHEAR LOCK

Version: **for mortice fixing**
Bracket in black painted aluminium
Dimensions of the bracket (mm): 267 x 35 x 35
Dimensions of body for mortice fixing (mm): 220 x 35 x 35
Armature plate with residual anti-magnetism pin
Operating voltage: 12/24 Vdc
Absorbed current: 1.8 A peak / 500 mA @ 12 V
1 A peak / 350 mA @ 24 V
State sensor with Hall effect / Relay C. - N.O. - N.C.
Door position magnetic sensor
Internal management electronics with relocking adjustable from 0 - 15 sec.
Holding force against forced entry up to 1,500 Kg.
Use: high security anti-panic locking system for swing doors. For correct operation the electromagnet must be mounted horizontally on the frame header with the Armature plate mounted on the frame of the door

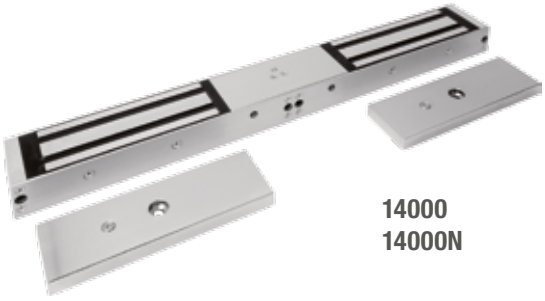
Packaging: electromagnet, Armature plate and accessories for assembly

13900
13900M

ELECTROMAGNET MICRO SHEAR LOCK

Version: **for mortice fixing**
Electromagnet support bracket and Armature plate in silver anodized aluminium
Electromagnet support bracket: 180 x 30 x 27 mm.
Armature plate support bracket dimensions: 180 x 30 x 42 mm.
Armature plate with residual anti-magnetism pin:
Operating voltage: 12/24 Vdc
Current: 420 mA @ 12 V / 220 mA @ 24 V
450 mA @ 12 V / 250 mA @ 24 V for version M
State sensor with Hall effect / Relay C. - N.O. - N.C. (only for Art. 13900M)
Holding force: up to 680 Kg.
Use: anti-panic locking system with dragging feature for swing doors with stops. For correct operation the electromagnet must be mounted horizontally in the frame header with the armature plate mounted on top of the door
Without door state sensor
With door state sensor

Packaging: electromagnet, Armature plate and accessories for assembly



14000
14000N

ELECTROMAGNETIC LOCK MAXI DOUBLE SERIES WITH SENSOR

Version: **for surface application** on double leaf doors
Dimensions (mm): 534 x 66 x 41
Armature plates with residual anti-magnetism pins: (mm) 185 x 60 x 16
Operating voltage: 12/24 Vdc
Current: 500 mA ea. @ 12 V / 250 mA ea. @ 24 V
State sensor with Hall effect / two coloured LED Red - Green / Relay C. - N.O. - N.C.
Holding force: up to 600 Kg. x 2
Use: anti-panic locking system for double leaf doors
Body in silver anodized aluminium
Body in black anodized aluminium

Packaging: electromagnet, flat fixing plate, 2 Armature plates and accessories for assembly

Art.	Description

ELECTROMAGNETIC GATE LOCK SERIES WITH SENSOR

Version: **for surface fixing**
body in stainless steel protected against humidity
Dimensions (mm): 204 x 64 x 41
Armature plate with residual anti-magnetism pin:
(mm) 185 x 60 x 16
Magnetic reed state sensor C / N.O. / N.C.
Holding force: up to 600 Kg.
Use: Security locking system for hinged and sliding gates

14212R Operating voltage: 12 Vdc - Current: 450 mA
14224R Operating voltage: 24 Vdc - Current: 230 mA
On demand: Conduit connector fitting - see page 39

Packaging: electromagnet, Armature plate and accessories for assembly

NEW

ELECTROMAGNETIC LOCK MINI SERIES WITH HANDLE

Version: **for surface fixing**
Electromagnet body and handle in aluminium
Magnet body dimensions (mm): 324 x 48 x 29
Dimensions of the handle (mm) 333 x 124 x 62
Armature plate with residual anti-magnetism pin inserted in the handle body
Operating voltage: 12/24 Vdc
Current: 500 mA @ 12 V / 250 mA @ 24 V
Internal state sensor with C./N.O./N.C. relay output
Holding force: up to 300 Kg.
Relocking time adjustable from 1 to 90 seconds
Use: anti-panic locking system for swing doors (i.e. condominium front entrance doors)

Without release push button

14700TD Body in silver anodized aluminium
14700TDN Body in black anodized aluminium
14700TDBR Body in bronze anodized aluminium

Release push button housed in the handle body

14710TD Body in silver anodized aluminium
14710TDN Body in black anodized aluminium
14710TDBR Body in bronze anodized aluminium

On demand spacer for handle body and electromagnetic lock see 00147 or 00147N at page 39

Packaging: electromagnet, armature plate and accessories for assembly

Door locked

Door unlocked

Door opened

Art.	Description
14800TD	**ELECTROMAGNETIC LOCK MINI SERIES WITH LONG HANDLE** Version: **for surface fixing** Electromagnet body and handle in aluminium Magnet body dimensions (mm): 2474 x 48 x 32 (can be cut down to 1750mm) Dimensions of the handle (mm) 2494 x 96 x 66 Armature plate with residual anti-magnetism pin inserted in the handle body Operating voltage: 12/24/48 Vdc Current: 500 mA @12 V / 250 mA @24 V / 125 mA @48V Internal state sensor with C./N.O./N.C. relay output Holding force: up to 300 Kg x 2 Relocking time adjustable from 0-25 seconds Release push button on the handle Possibility to install the magnet in the handle housing (moving leaf) and the striking plate on the frame **Use:** anti-panic locking system for swing doors (i.e. condominium front entrance doors) Body in silver anodized aluminium **Packaging:** electromagnet, armature plate and accessories for assembly

Art.	Description

13700KIT TF

ELECTROMAGNETIC LOCK MINI SERIES WITH POWER SUPPLY

FEATURES: locking of fire doors via safety electromagnet.
Opening managed from inside the room by means of micro-switch command installed on the anti-panic bar which activates upon pressing the opening bar and by means of a key switch or access control system from outside. Release of the electromagnet can also be managed from a remote position with a special push button.

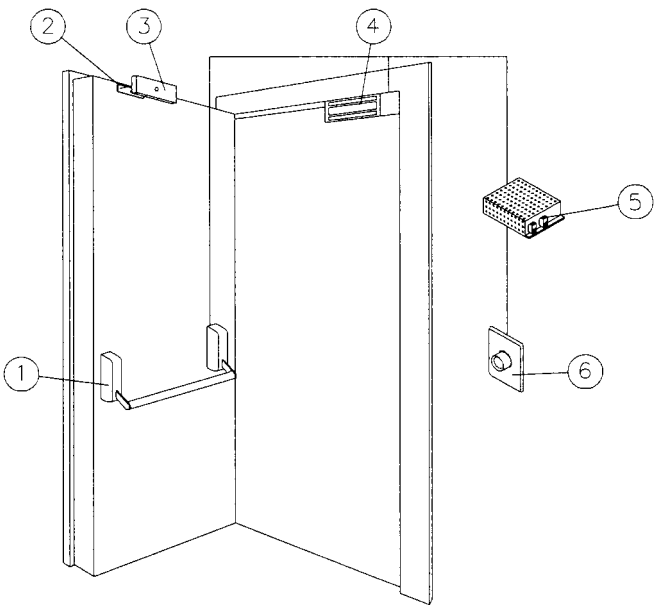
Kit is made up of:
1 Electromagnet Art. 13700TD
1 "L" Bracket Art. 03700
1 Base stainless steel armature plate Art. 03003
1 Power supply Art. 05320

13700KIT TFB

ELECTROMAGNETIC LOCK MINI SERIES WITH POWER SUPPLY AND BACKUP BATTERY

FEATURES: the functional characteristics are the same as the previous article except the power supply is provided in a wall-mounted, grey ABS container with space for the backup battery.

Kit is made up of:
1 Electromagnet Art. 13700TD
1 "L" Bracket Art. 03700
1 Base stainless steel armature plate Art. 03003
1 Power supply Art. 05312
1 Rechargeable battery Art. 00712



LEGENDA

1 Panic bar with micro switches and lead covers (upon request)
2 Striking plate base
3 Striking plate
4 Electromagnet
5 Power supply
6 Release button or key switch (optional)

	Art.	Description
	03000 03000N	**"L" MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 268 x 38 x 76 **Use:** for mounting of electromagnets, series 130, 131 and 140 on "push" doors from inside with emergency type exits (See drawing at page 39)
	03001 03001N	**"Z" MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 266 x 38 x 76 mm. (L bracket) 220 x 142 x 71-98 mm. (Z bracket) **Use:** for mounting of electromagnets, series 130, 131 and 140 on "pull" doors from inside. Kit is made up of 3 pieces. (See drawing at page 39)
	03002	**UNIVERSAL, ADJUSTABLE "L" MOUNTING BRACKET** In galvanized white steel Dimensions (mm): 268 x 38 - 76 mm. **Use:** for mounting of electromagnets, series 130, 131 and 140 on "push" doors from inside with emergency type exits (See drawing at page 39)
	03003	**"UNIVERSAL" ARMATURE PLATE FOR FIRE DOORS** Armature plate base for fixing the holding Armature plate on fire doors without drilling supplementary holes Dimensions (mm): 175 x 32 x 3 **Use:** for all electromagnets 130, 131, 136, 137, 140 (See drawing at page 39)
	03004	**"UNIVERSAL" ARMATURE PLATE BASE FOR SAFETY AND FIRE DOORS** Armature plate base in stainless steel for fixing the holding Armature plate on fire doors without using through bolt screws on the outside of the door Dimensions (mm): 200 x 65 x 16 **Use:** for all electromagnets 136, 137 (See drawing at page 39)
	03004A	**"UNIVERSAL" ARMATURE PLATE BASE FOR SAFETY DOORS** Armature plate base in silver anodized aluminium for fixing the holding Armature plate on fire doors without using through bolt screws on the outside of the door Dimensions (mm): 200 x 55 x 15 **Use:** for all electromagnets 136, 137 (See drawing at page 39)
	03005	**SHORT CASING COVER** In black varnished steel for covering only the "L" bracket Art. 03000, 03002 Dimensions (mm): 271 x 41 x 79 - see drawing at page 38 **Use:** for all electromagnets 130, 131 (See drawing at page 40)
	03006	**LONG CASING COVER** In black varnished steel for covering the "L" bracket Art. 03000, 03002 and the electromagnets Dimensions (mm): 271 x 113 x 79 **Use:** for all electromagnets 130, 131(See drawing at page 40)

	Art.	Description
	03007	**“GLASS” ARMATURE PLATE MOUNTING BRACKET** For 12 mm. thick doors. Dimensions (mm): 190 x 56 x 22 **Use:** for fixing of the Armature plate for electromagnets series 136 and 137 on glass doors (See drawing at page 40)
	03500 03500N	**“L” MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 170 x 28 x 36 **Use:** for mounting of electromagnets, series 127 on “push” doors from inside with emergency type exits (See drawing at page 39)
	03501 03501N	**“Z” MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 180 x 88 x 39-48 - see drawing at page 37 **Use:** for mounting of electromagnets, series 127 on “pull” doors from inside. Kit is made up of 2 pieces **Note:** article made up of 2 pieces only for fixing of the Armature plate. For fixing of the electromagnet, the “L” bracket must be added - Ref. 03500.
	03600 03600N	**“L” MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 200 x 41 x 27 **Use:** for mounting of electromagnets, series 136,137 on “push” doors from inside with emergency type exits (See drawing at page 39)
	03601 03601N	**“Z” MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 180 x 88 x 39 mm.) **Use:** for mounting of electromagnets, series 128 on “pull” doors from inside. Kit is made up of 3 pieces (See drawing at page 39) **Note:** article made up of 2 pieces only for fixing of the armature plate and 1 L braket for the fixing of the magnet
	03700 03700N	**“L” MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 250 x 30 x 48 **Use:** for mounting of electromagnets, series 128 on “push” doors from inside with emergency type exits (See drawing at page 39)
	03701 03701N	**“Z” MOUNTING BRACKET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 250 x 30 x 48 mm. (L bracket) 220 x 113 x 55 - 77 mm. (Z bracket) **Use:** for mounting of electromagnets, series 136,137 on “pull” doors from inside. Kit is made up of 3 pieces. (See drawing at page 39)
	03705	**SHORT CASING COVER** In black varnished steel for covering only the “L” bracket Art. 03700 Dimensions (mm): 254 x 32 x 51 **Use:** for all electromagnets 136 and 137 (See drawing at page 40)

	Art.	Description
	03706	**LONG CASING COVER** In black varnished steel for covering the "L" bracket Art. 03700 and the electromagnets Dimensions (mm): 254 x 81 x 51 **Use:** for all electromagnets 136 and 137 (See drawing at page 40)
	03707 03707N	**"L" BRACKET WITH CASING COVER** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 247 x 48 x 30 **Use:** for mounting of electromagnets, series 136, 137 on "push" doors from inside with emergency type exits complete with casing cover (See drawing at page 40)
	03707L 03707LN	**"L" BRACKET WITH CASING COVER** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 262 x 48 x 30 **Use:** for mounting of electromagnets, series 13700TDL on "push" doors from inside with emergency type exits complete with casing cover (See drawing at page 40)
	03708 03708N	**"Z" BRACKET WITH CASING COVER** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 250 x 97 x 48 - 70 mm - see drawing page 38 **Use:** for mounting of Armature plate for electromagnets, series 136, 137 on "pull" doors from inside complete with casing cover (See drawing at page 40) **Note:** article made up of 2 pieces only for fixing of the Armature plate. For fixing of the electromagnet, the "L" bracket must be added - Ref. 03700
	03708L 03708LN	**"Z" BRACKET WITH CASING COVER** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 262 x 104 x 48 - 70 mm. **Use:** for mounting of Armature plate for electromagnets, series 13700TDL on "pull" doors from inside complete with casing cover **Note:** article made up of 3 pieces only (See drawing at page 40)
	03709 03709N	**SHEAR LOCK CASING FOR ELECTROMAGNET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 352 x 50 x 45 **Use:** for surface mounting of the electromagnets Shear-Lock on solid or pre-existing doors (See drawing at page 40) **Packaging:** 1 Carter for fixing of the electromagnet or the Armature plate and mounting accessories
	03710 03710N	**MICRO SHEAR LOCK CASING FOR ELECTROMAGNET** In SILVER anodized aluminium In BLACK anodized aluminium Dimensions (mm): 183 x 49 x 36 **Use:** for surface mounting of the electromagnets Micro Shear-Lock for rim type application (See drawing at page 40) **Packaging:** 1 Carter for fixing of the electromagnet or the Armature plate and mounting accessories

Art.	Description
	ARMATURE PLATES FOR ELECTROMAGNETS (SPARES)
01127	For electromagnets series 125, 127, 128
01130	For electromagnets series 130, 131, 132, 140
01134	For electromagnets series 134
01137	For electromagnets series 135, 136, 137
01137L	For electromagnets series 13700TDL

00142

CONDUIT CONNECTOR FITTING - IP65

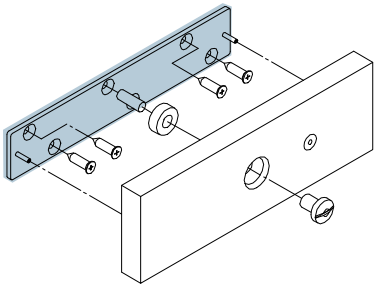
Conduit connector fitting - this connector is used to terminate flexible metal conduit to knockout in dry location
For electromagnets series 14212R and 14222R
Supplied with metal sheath black coloured 1Mt long

UNDERPLATE FOR ELECTROMAGNET REF. 14700TD

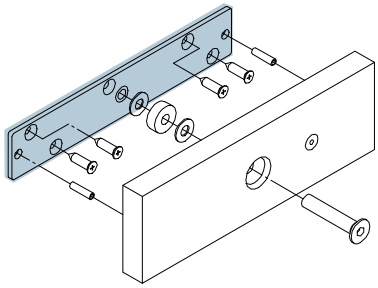
2 mm thick stainless steel underplate for the compensation of the alignment between the electromagnet and counterplate mounted on doors that are not coplanar
Dimensions (mm): 323 x 48 x 2

00147 Stainless steel finish
00147N Black steel finish

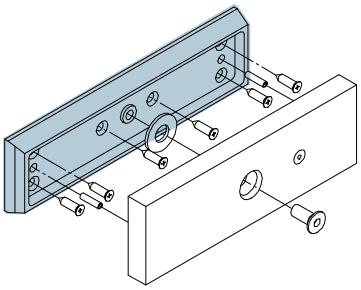
Base Art. 03003

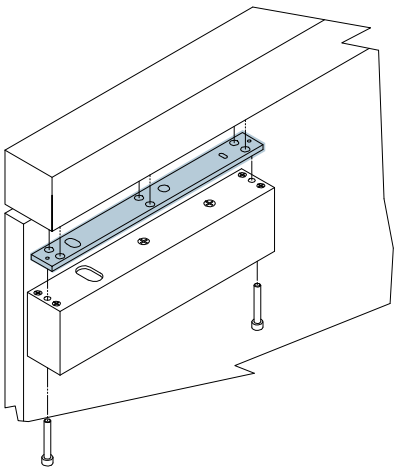


Base Art. 03004

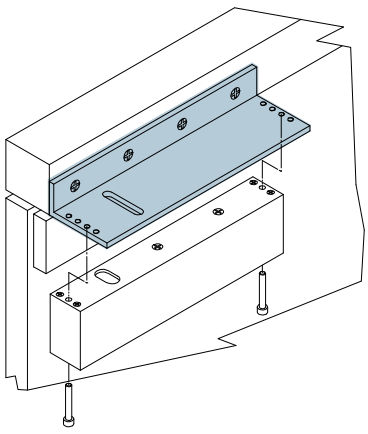


Base Art. 03004A

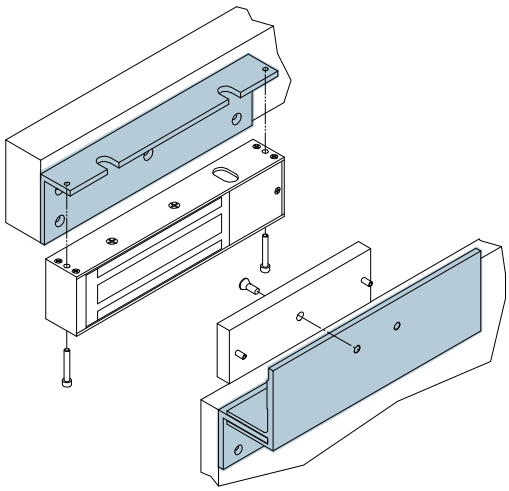




Bracket provided

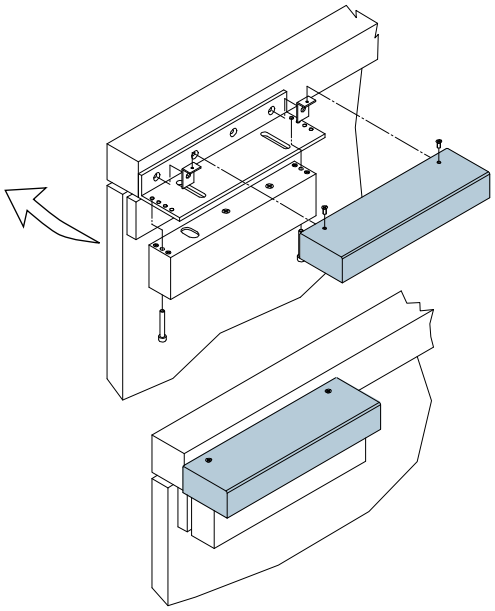


"L" shape bracket
item code 03002

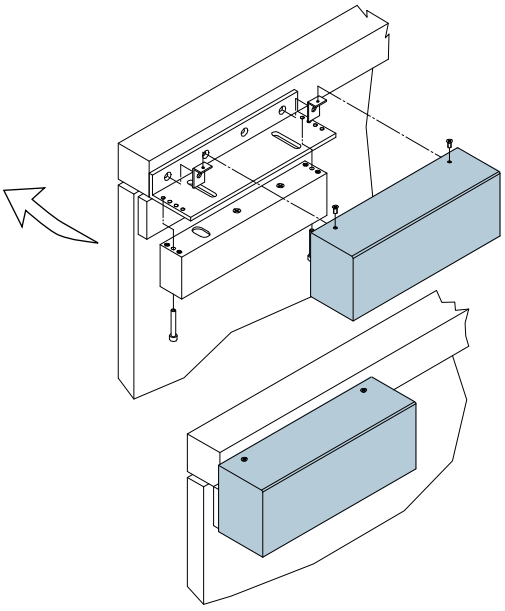


"Z" shape bracket

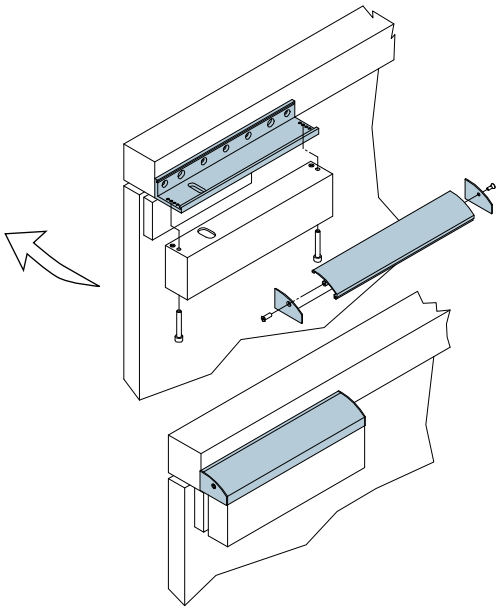
Short cover



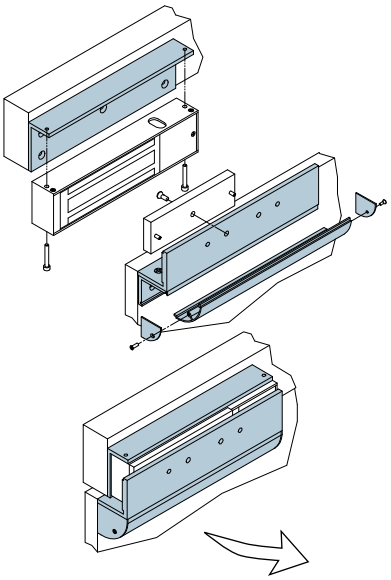
Long cover



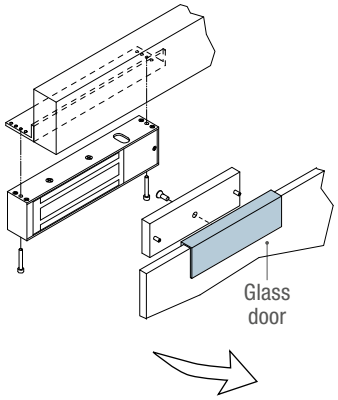
"L" shape bracket with cover



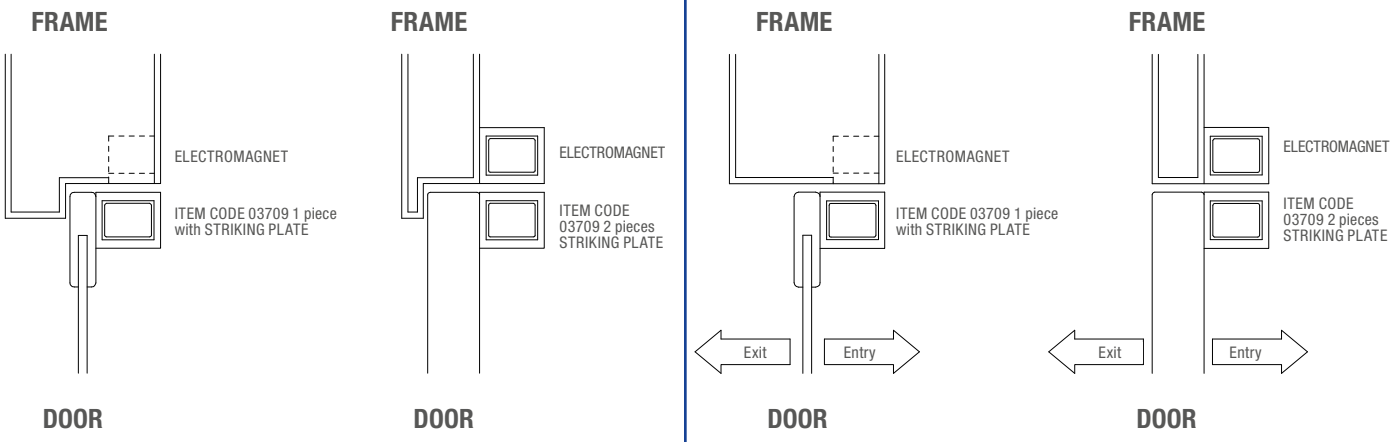
"Z" shape bracket with cover



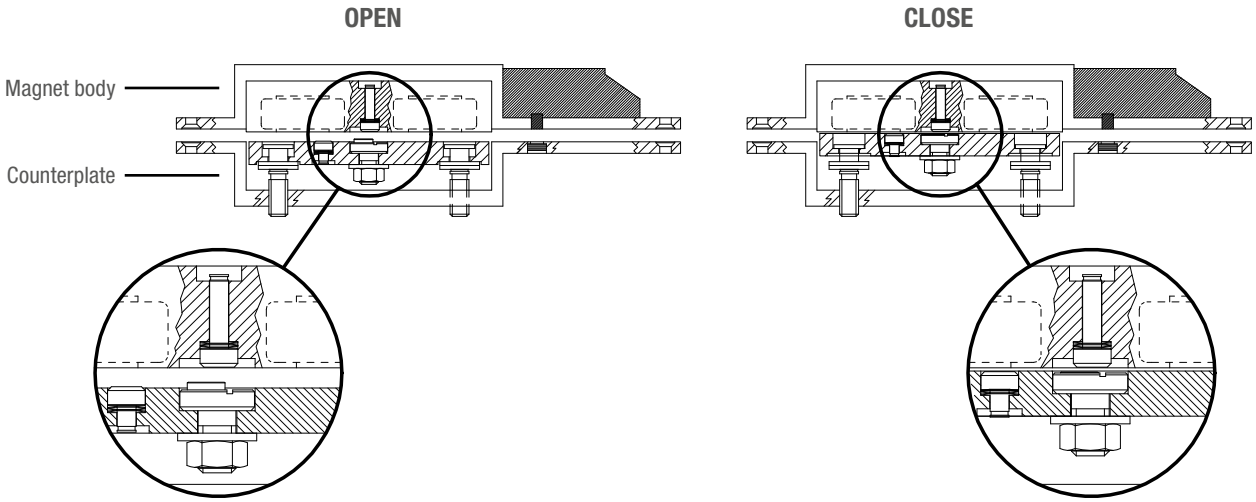
"U" shape bracket



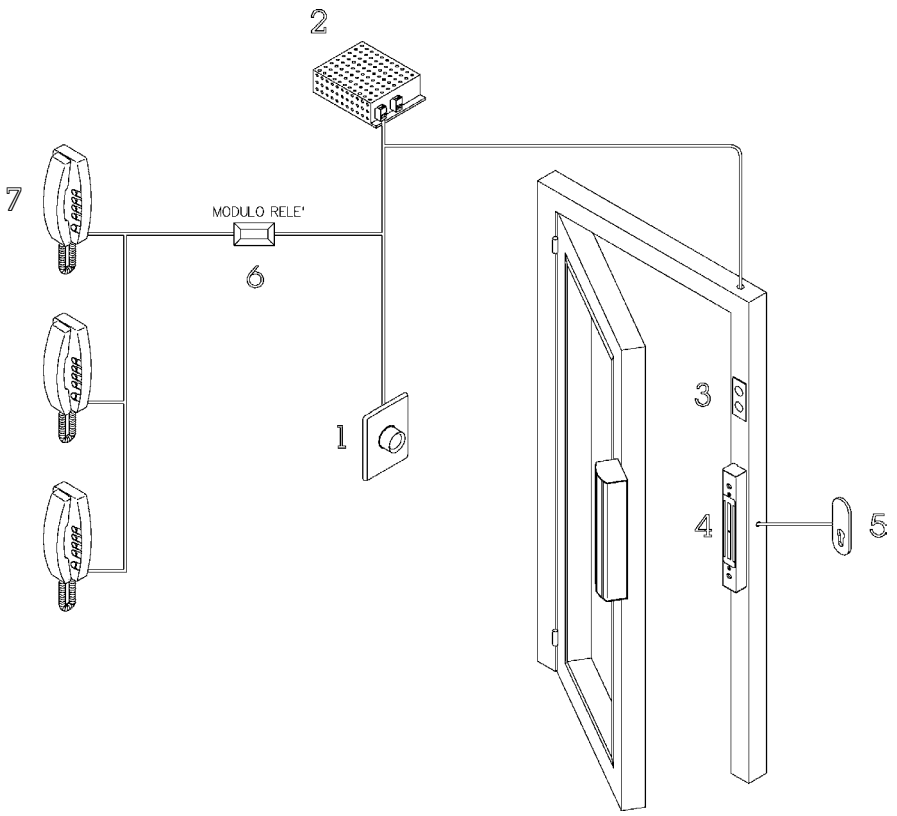
COVER CARTER SHEAR-LOCK



HOW SHEAR-LOCK WORKS



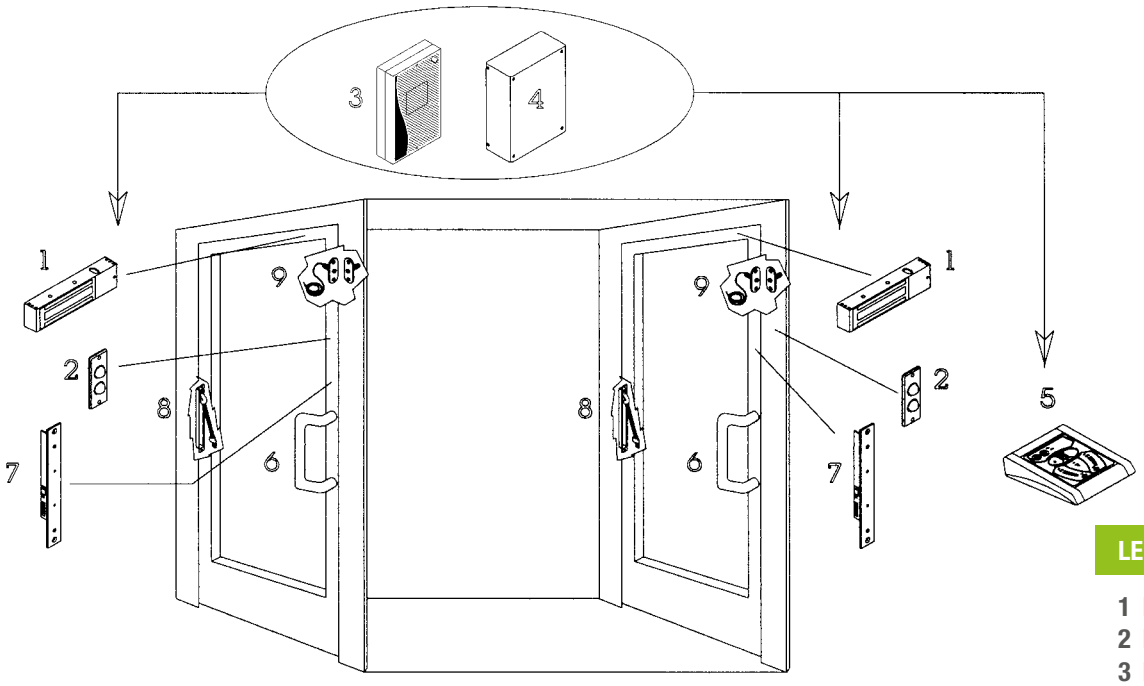
ENTRANCE DOOR SYSTEM WITH SAFETY RANGE ELECTROMAGNET 147



LEGENDA

1 Push button
2 Power supply
3 Indicator lamp
4 Electromagnet
5 Key selector
6 Relay module
7 Interphone system

INTERLOCKING DOORS SYSTEM WITH SAFETY RANGE ELECTROMAGNETS



LEGENDA

1 Electromagnets
2 Indicator lamps
3 Electronic Unit
4 Power supply
5 Command console
6 Sensitive bars
7 Sensitive cards
8 Lead Covers
9 Magnetic sensors

Art.	Description

51300

RELOCKING DELAY MODULE

Electronic board for management of relocking delay for all safety electromagnets
Dimensions (mm): 60 x 28 x 17
Operating voltage: 12 / 24 Vdc
Relock time adjustable from 1 - 40 seconds
Use: board which can also be inserted inside electromagnets Art. 13000, 13100, 14000
Can be connected externally to the other electromagnet articles not already timed

51400

OPENING DELAY MODULE

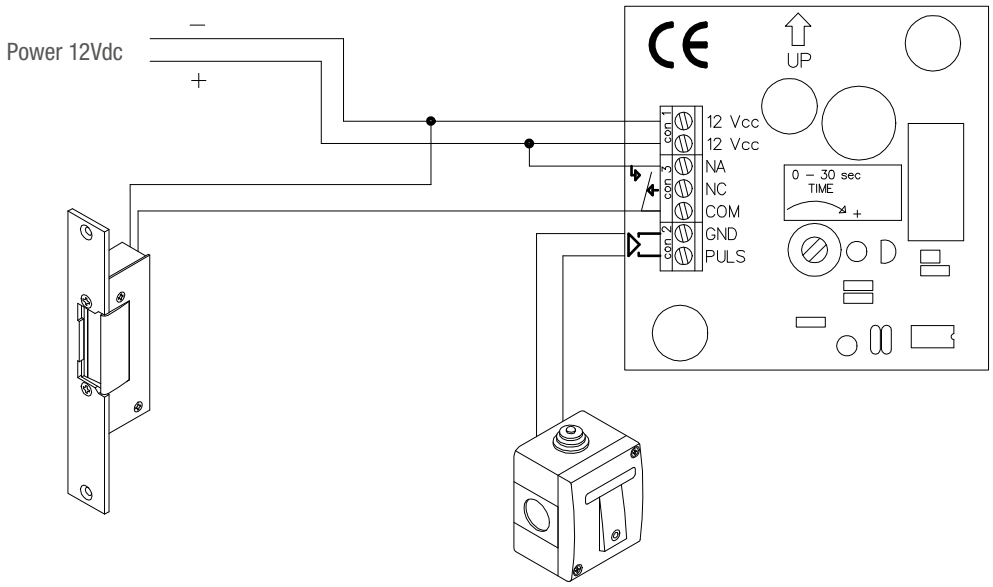
Electronic board for management of the opening delay for the emergency exits equipped with safety electromagnets
Dimensions (mm): 57 x 42 x 17
Operating voltage: 12 / 24 Vdc
Relock time adjustable from 0 - 15 seconds
N.O. input for begin delay contact
N.O. input for timer reset
12 Vdc output for alarm buzzer
Use: board which can also be inserted inside electromagnets Art. 13000, 13100, 14000
Can be connected externally to the other electromagnet articles

51500

RELOCKING DELAY RELAY MODULE

Electronic board for timed management of electric lock activation
Dimensions (mm): 61 x 61 x 12
Operating voltage: 12 Vdc / 10 mA at rest - 60 mA with relay active
Relock time adjustable from 0 - 30 seconds
N.O. input for relay activation contact
Relay output with C./N.O./N.C. dry contact
Use: board which can also be inserted inside activation button Art. 05115 (see page 64)

APPLICATIONS EXAMPLES ART. 51500



Art.	Description

55001

MANAGEMENT ELECTRONICS "EXIT SYSTEM"

Electronic board for management and control of opening emergency exits equipped with electromagnets in the Safety series.
Wall mount container in grey, inspectable ABS, complete with 230 / 12 Vac transformer
Dimensions (mm): 300 x 225 x 130
Board power: 12 Vac/dc
Built-in backup battery charger circuit
Adjustable timer for:
Opening request only alarmed or delayed from 5 to 60 seconds
- Delayed alarm opening from the outside from 10 to 120 Seconds (can be enabled)
- Manual opening management with relocking
from 0 to 5 seconds upon approach of the door and
from 0 to 60 seconds if the door is not opened
- Alarm for prolonged opening of the door from 10 to 120 seconds (can be enabled)

Inputs with N.O. contact for:
- Immediate opening
- Opening from key switch with delayed alarm
- Delayed opening or request for opening with alarm
- Emergency
- Block
- Reset

Outputs with N.O. relay contact for:
- Electromagnetic blocked/unblocked status (double switching)
- Opening request alarm or delayed opening
- Prolonged door opening alarm
- Emergency opening alarm
- Delayed alarm for opening from the outside
- System Fault Alarm
- Starting of system

Door position open/closed (Open Collector) **On request:** backup battery
Art. 00712 (page 197)

CONTROL CONSOLE "CONTROL SYSTEM"

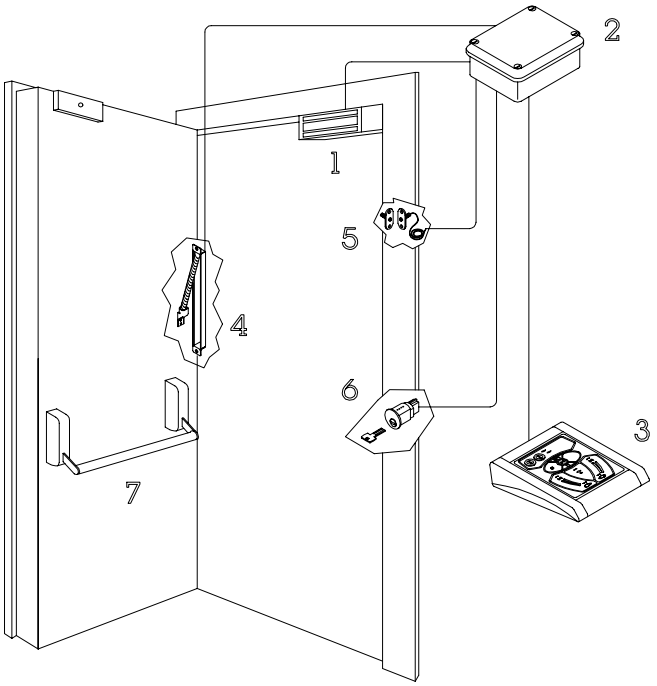
Aluminium console box in black with silk screened polycarbonate panel
Membrane button with touch effect
Dimensions (mm): 195 x 160 x 50
Operating voltage: 12/24 Vac/Vdc
Connections via screw terminal block
ON/OFF key switch for turning off system via external relay (i.e. Art. REL12V)
N.O. input for signalling electromagnet status (blocked / unblocked)
N.O. input for signalling door status
N.O. / + 12 Vdc Input for alarm activation
N.O. Output for door opening command
N.O. Output for reset command
N.O. Output for block command
N.O. Output for emergency command
Optical signalling via LED:
Red / Green magnet status (blocked / unblocked)
Red / Green for indication of door Open / Closed
Red for Alarm, Reset, Emergency, Block, Power
Internal buzzer for acoustic signalling of the pressing of buttons, for signalling of active alarms and low battery
Note: complete characteristics of the console page 130

54611A For 1 door
54612A For 2 doors

Use: universal console for Art. 51400 or 55001

Art.	Description
55003	**ELECTROMAGNET WITH "EXIT SYSTEM" INTEGRATED MANAGEMENT ELECTRONICS** Version: **to apply** Casing made of brushed stainless steel Casing dimensions: 280 x 158 x 115 mm Nickel-plated steel fixing bracket Electronic board for the management and opening control of the emergency exits equipped with Safety series electromagnets. Maxi series internal electromagnet made of silver anodized aluminum Restraint counterplate to be fixed on the door with anti-residual magnetism pin: 185 x 60 x 16 mm Traction force: up to 600 kg. Power supply: 12V ac/dc Hall effect electromagnet status sensor Optical signaling of the status (standby/alarm) through red - green jumbo LED Acoustic signal of the alarm status by buzzer Internal relay on the status of the blocked/unblocked electromagnet with C. - N.A. - N.C. contacts Rechargeable plug battery 12 Vdc / 2.2 A Electronic board for the management and opening control of the emergency exit Adjustable timing for: - Opening request delayed from 5 to 60 sec with alarm - Opening alarm from outside delayed from 10 to 120 sec - Manual opening management with reclosing from 0 to 5 sec. with approach of door and from 0 to 60 sec. if the door is not opened - Door opening prolonged alarm from 10 to 120 sec. Inputs with N.O. contact for: - Immediate opening - Immediate opening by mechanical key switch from outside, with delayed alarm - Delayed opening or request of opening with alarm - Emergency - System block - Alarm reset Outputs with N.O contact for: - Electromagnet status (double switching) - Alarm, Opening request time delay - Alarm, Prolonged door opening - Alarm, Emergency - Alarm, Opening from outside - Alarm, System fault - Starting of system - Door position contact (Open Collector)

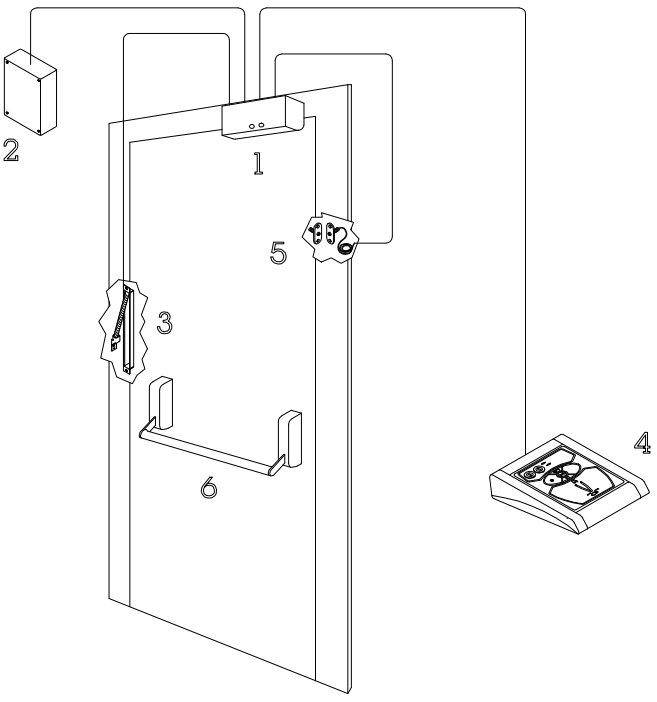
SINGLE DOOR SYSTEM WITH SAFETY RANGE ELECTROMAGNETS



LEGENDA

1 Electromagnet
2 Exit System Electronics
3 Console
4 Concealed lead cover
5 Magnetic sensor
6 Key switch
7 Panic bar
with micro switch

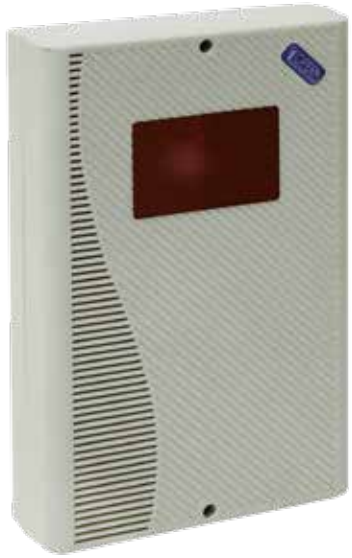
EMERGENCY EXIT WITH SAFETY ELECTROMAGNET



LEGENDA

1 Electromagnet
with Exit System electronics
2 Power supply
3 Concealed lead cover
4 Console
5 Magnetic sensor
6 Panic bar
with micro switch

Art.	Description
55005	**SELF-MANAGED ALARM "ALARM SYSTEM"**



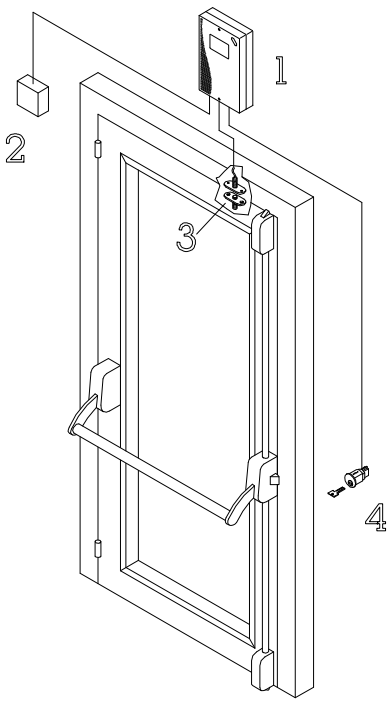
Alarm system for opening control of emergency exits equipped with only a mechanical lock or panic bar.
Wall mount container in beige ABS
Dimensions (mm): 240 x 150 x 48
Board power: 12 Vac/dc
Built-in backup battery charger circuit
Alarm signalling via lamp and intermittent buzzer

Use: alarm system for emergency exits
Adjustable timer for:
- Alarm interval before self-reset (adjustable from 5 to 60 seconds)
- Turning off of the reset alarm with fixed time of 5 seconds
- Alarm for prolonged opening of the leaf from 5 to 120 seconds

Inputs with N.O. contact for:
- Immediate authorised opening (without alarm)
- Door sensor
- Reset

Outputs with N.O. relay contact for:
- Unauthorised opening alarm
- Prolonged door opening alarm
- Starting of system

Description of operation:
the central unit allows surveillance of passages through emergency exits. Personnel authorised to pass, activating a dry contact with a badge, keypad, key switch, etc... can open the door without activating the alarm. If the door is reclosed within the set time, no alarm is activated. If the door must remain open beyond the door "Prolonged Opening" time, the specific alarm is activated which deactivates automatically upon relocking of the door or by pressing the reset button.
On the contrary, if the door is opened without authorisation, the "Opening" alarm is activated immediately and remains active for the pre-established interval, after which an auto-reset is automatically performed which deactivates the alarm for 5 seconds. At this point, if the door has been reclosed, the system goes back into stand-by. Otherwise, if the door remains open, the alarm status will reactivate. The reset can also be performed by remote button.



LEGENDA

1 Single zone fire alarm panel
2 Power transformer or power supply
3 Magnetic sensor
4 Key switch

FIRE CONTROL

- FIRE HOLD OPEN MAGNETS
- HYDRAULIC DAMPERS FOR SLIDING DOORS
- HYDRAULIC IMPACT SHOCK ABSORBERS
- SINGLE ZONE FI RE CONTROLLER
- FIRE AND SMOKE DETECTORS

OPERA
OPERATING ACCESS

FIRE CONTROL

www.opera-italy.com

AVAILABLE COLOURS

Black Abs | Grey Abs | Silver aluminium | Gold aluminium | Black aluminium

PLUS

- Strong steel fi xing base
- Steel striking plate
- Abs box, anodized aluminium or steel
- CE-EN1155 certifi cation at the upper level
- 12 - 24 - 48V operating voltage

ISTITUTO GIORDANO

CE ORGANISMO NOTIFICATO N. 0407

CERTIFICATO DI COSTANZA DELLA PRESTAZIONE

0407-CPR-011 (IG-098-2004)*

ACCESSORI PER SERRAMENTI -

DISPOSITIVI ELETTROMAGNETICI FERMOPORTA PER PORTE GIREVOLI

OPERA S.r.l.

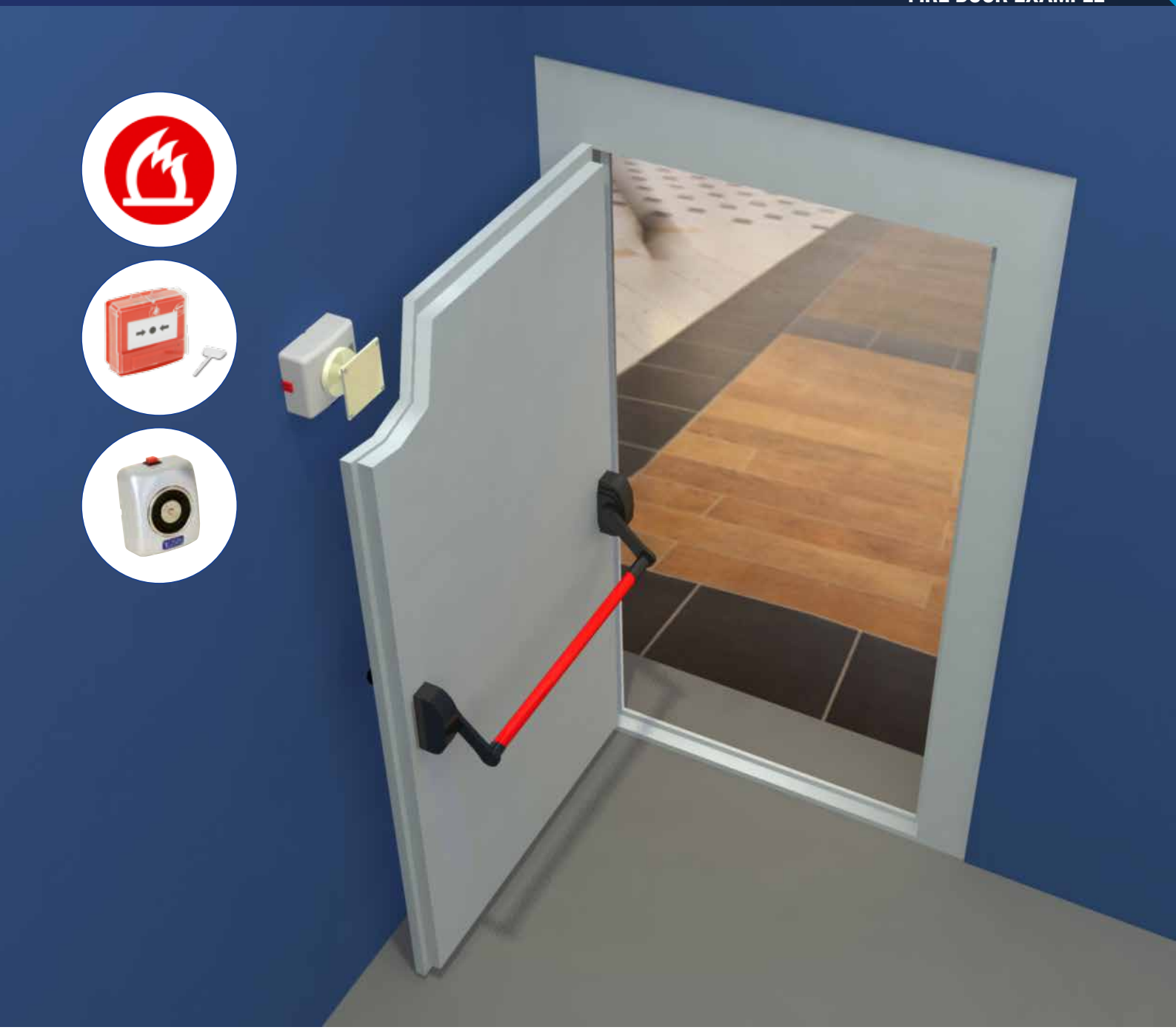
Via Portogallo, 43 - 41122 MODENA (MO) - Italia

Via Portogallo, 43 - 41122 MODENA (MO) - Italia

EN 1155:1997/A1:2002/AC:2006

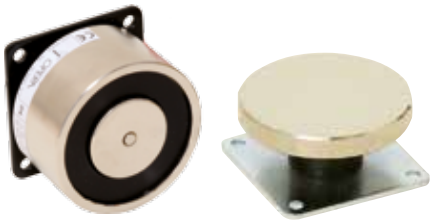
I prodotti sopra indicati ottemperano a tutti i requisiti prescritti.

Certificate EN1155



FIRE DOOR EXAMPLE

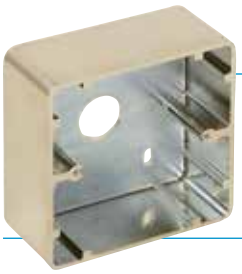
- Version for wall or floor fixing
- Fixed or swinging striking plates
- Abs, anodized aluminium or steel box
- CE-EN1155 certification at the upper level
- 12 - 24 - 48V operating voltage

Art.	Description
01620 01620I	**HOLD OPEN ELECTROMAGNET** Electromagnetic body with rear M8 fixing hole Electromagnet dimensions: diameter (mm) 50 x 30 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 55 Kg. with electromagnet coupled with its Armature plate - (upon request reduced force to 20 Kg. See variant at page 58) - Electromagnet only Electromagnet complete with Armature plate 55mm diameter **Use:** door holding electromagnet for swing or sliding counterweighted doors
01630 01630I	**HOLD OPEN ELECTROMAGNET** Electromagnet body with fixing plate Fixing plate dimensions (mm): 65 x 65 x 3 Electromagnet dimensions: diameter (mm) 50 x 39 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 55 Kg. with electromagnet coupled with its Armature plate - (upon request reduced force to 20 Kg. See variant at page 58) Spring for anti-residual magnetism on the electromagnet body Electromagnet only Electromagnet body with fix Armature plate item 01800Z **Use:** door holding electromagnet for swing or sliding counterweighted doors
01820 01820I	**HOLD OPEN ELECTROMAGNET** Electromagnet body with rear M8 fixing hole Electromagnet dimensions: diameter (mm) 70 x 38 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 140 Kg. (with electromagnet coupled with its Armature plate) Electromagnet only Electromagnet complete with Armature plate 70mm diameter **Use:** door holding electromagnet for swing or sliding counterweighted doors
 01830 01830I	**OLD OPEN ELECTROMAGNET** Electromagnet body with fixing plate Fixing plate dimensions (mm): 65 x 65 x 3 Electromagnet dimensions: diameter (mm) 70 x 38 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 140 Kg. Spring for anti-residual magnetism on the electromagnet body Electromagnet only Electromagnet body with fix Armature plate item 01810Z **Use:** door holding electromagnet for swing or sliding counterweighted doors
17003A	**HOLD OPEN ELECTROMAGNET** Version: **wall mount** Cylindrical body on painted aluminium base Magnet with resin coated coil Base and Armature plate dimensions (mm): 90 x 90 x 6 Magnet dimensions: diameter (mm) 80 x 47 h. Armature plate dimensions: diameter (mm) 80 x 22 h. Operating voltage: 24 Vdc - Absorbed current: 250 mA Holding force: 180 Kg. Residual anti-magnetism pin on the Armature plate Provided with Armature plate fixed on galvanized steel base **Use:** door holding electromagnet for swing or sliding counterweighted doors

On request: see variants on page. 58

HOLD OPEN ELECTROMAGNETS FOR FIRE DOORS FIRE CONTROL SERIES

Art.	Description
18003	**HOLD OPEN ELECTROMAGNET** Version: **flush wall mount** Front plate in stainless steel Front dimensions (mm): 85 x 85 x 2 Electromagnet dimensions: diameter (mm) 50 x depth 35 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 58) Residual anti-magnetism pin on the electromagnet body Screw connection connector with anti-disturb varistor Provided without Armature plate (to be ordered separately - see page 56) **With push button release** **Compliance:** EN 1155 **Use:** door holding electromagnet for swing fire doors



01780	**BOX FOR FLUSH MOUNT ELECTROMAGNET** Body: in silver coloured aluminium Dimensions (mm): 85.5 x 85.5 x 38.5 mm. **Use:** box for flush or application mount for electromagnet item 18003

	HOLD OPEN ELECTROMAGNET Version: **floor mount** Body in black or white painted steel - see dimensions at page 54 Operating voltage: 24 Vdc - Absorbed current: 70 mA Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 58) Residual anti-magnetism pin on the electromagnet body Screw connection connector with anti-disturb varistor Provided without Armature plate (to be ordered separately - see page 56) **With push button release**
18005	Body in black painted finish
18005B	Body in white painted finish
	Compliance: EN 1155 **Use:** door holding electromagnet for swing fire doors

	HOLD OPEN ELECTROMAGNET Version: **Wall mount** Body in ABS with galvanized steel base Nickel plated magnet block See dimension at the bottom of the page Operating voltage: 24 Vdc - Absorbed current: 70 mA Fixed Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 56) Residual anti-magnetism pin on the electromagnet body Connector with anti-disturb varistor Provided without Armature plate (to be ordered separately - see page 54) **Without push button release**
19000	Body in black colour ABS
19000GC	Body in grey colour RAL 7035 ABS
	With push button release
19001	Body in black colour ABS
19001GC	Body in grey colour RAL 7035 ABS
Art + R	Holding force adjustable from 10-50 Kg.- (i.e. 19001R)
Art + DV	Dual voltage - automatic voltage selection 24/48Vdc and manual selection of the desired holding force 20/55Kg
	Compliance: CE EN1155 **Use:** door holding electromagnet for swing fire doors

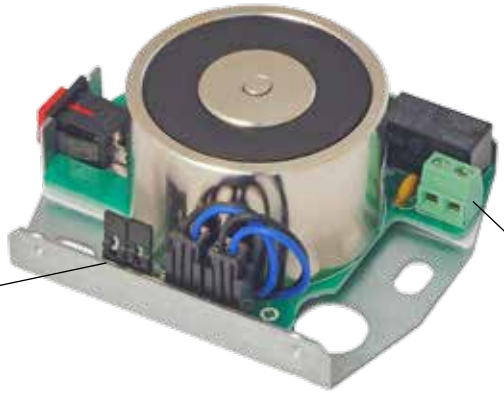
On request: see variants on page. 58

Art.	Description
	HOLD OPEN ELECTROMAGNET Version: **Wall mount** Body in anodized aluminium with base in galvanized steel Nickel plated magnet block See dimensions at the bottom of the page Operating voltage: 24 Vdc - Absorbed current: 70 mA Fixed Holding force: > 55 Kg. (on request reduced force to 20 Kg. - LF version, see page 58) Residual anti-magnetism pin on the electromagnet body Connector with anti-disturb varistor Provided without Armature plate (to be ordered separately - see page 56)
	With push button release
19002	Body in silver colour anodized aluminium
19002N	Body in black colour anodized aluminium
19002GD	Body in gold colour anodized aluminium
Art + R	Holding force adjustable from 10-50 Kg. - (i.e. 19002R)
Art + DV	Dual voltage - automatic voltage selection 24/48Vdc and manual selection of the desired holding force 20/55Kg

Note: on request without push button release
Compliance: EN 1155
Use: hold open electromagnet for swing fire doors

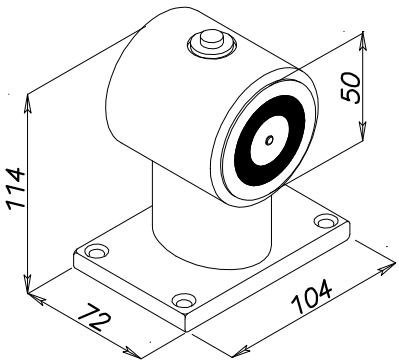
DUAL VOLTAGE VERSION - DV

NEW

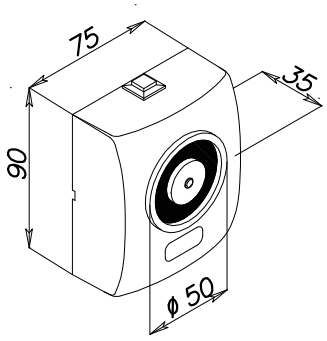


Selectable force from 20 to 55Kg

Power from 24 to 48Vdc - automatic selection



Series 18005



Series 190

Art.	Description

18100

HOLD OPEN ELECTROMAGNET

Version: **Wall mount**
Box in black painted steel
See dimensions at the bottom of the page
Operating voltage: 24 Vdc / Absorbed current: 70 mA
Holding force: > 140 Kg.
Residual anti-magnetism pin on the electromagnet body
Connector with anti-disturb varistor
Provided without Armature plate (to be ordered separately - see page 56)
Without push button release
Compliance: EN 1155
Use: door holding electromagnet for swing fire doors

18101

HOLD OPEN ELECTROMAGNET

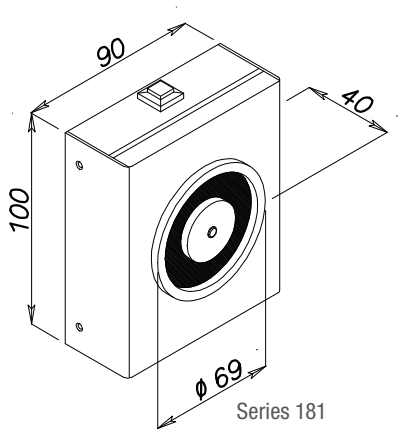
Version: **Wall mount**
Box in black painted steel
See dimensions at the bottom of the page
Operating voltage: 24 Vdc / Absorbed current: 70 mA
Holding force: > 140 Kg.
Residual anti-magnetism pin on the electromagnet body
Connector with anti-disturb varistor
Provided without Armature plate (to be ordered separately - see page 56)
With push button release
Compliance: EN 1155
Use: hold open electromagnet for swing fire doors

HOLD OPEN ELECTROMAGNET

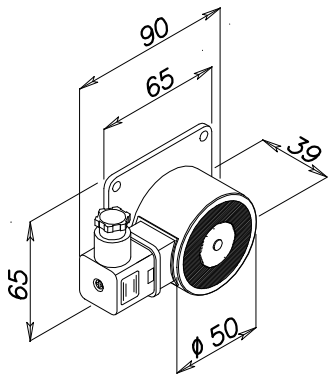
Steel base
Magnet base and Armature plate dimensions (mm): 65 x 65 x 3
See dimensions at the bottom of the page
Diameter mm 70 x 41 (ref. 18104)
Operating voltage: 24 Vdc - Absorbed current: 70 mA
Holding force: > 140 Kg.
Residual anti-magnetism pin on the electromagnet body
Connector with anti-disturb varistor

18004 Holding force: 55Kg
18104 Holding force: 140Kg

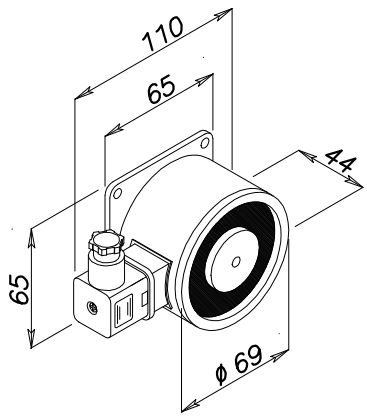
Provided without Armature plate (to be ordered separately - see page 56)
Compliance: EN 1155
Use: door holding electromagnet for swing or sliding counterweighted fire doors



Series 181

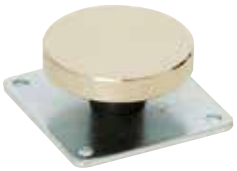
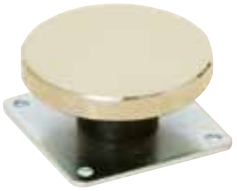
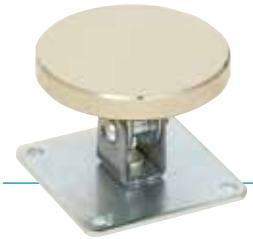


Series 18004

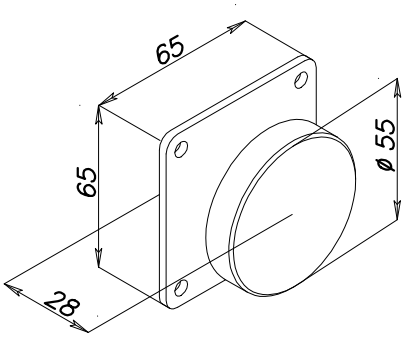


Series 18104

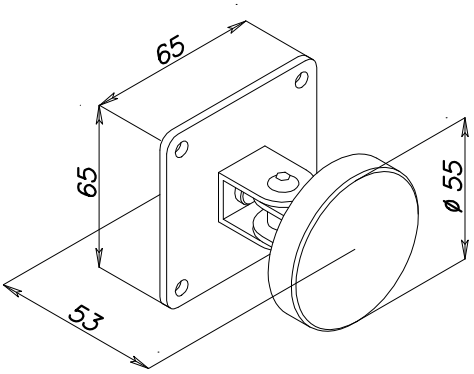
On request: see variants on page. 58

Art.	Description
	
01800Z	**FIXED ARMATURE PLATE** Fixed Armature plate for electromagnets series 190 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 55
01805Z	**SWINGING ARMATURE** Swinging Armature plate for electromagnets series 190 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 55
	
01810Z	**FIXED ARMATURE PLATE** Fixed Armature plate for electromagnets series 181 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 70
	
01815Z	**SWINGING ARMATURE** Swinging Armature plate for electromagnets series 181 Base in galvanized steel See dimensions at page 57 Armature plate diameter (mm): 70
01740F 01740BF	**NON ADJUSTABLE MOUNTING SUPPORT FOR ELECTROMAGNET** Bracket not extendable Body in painted steel Bracket (square mm) 35 x 35 for horizontal fixing to wall or vertical to floor of the fire door electromagnets Plate for fixing of the electromagnets adjustable to 180° See dimensions at page 57 Black painted steel White painted steel (Ral 9010) **Use:** for electromagnets series 181, 190
01740 01740B 01740M	**TELESCOPIC "WALL" OR "FLOOR" MOUNTING SUPPORT FOR ELECTROMAGNET** Extendable bracket (square mm) 40 x 40 for horizontal fixing to wall or vertical to floor of the fire door electromagnets Body in black painted steel Plate for fixing of the electromagnets adjustable to 180° Overall dimension Black colour - length (mm) 140 (adjustable up to 220 mm.) White colour - length (mm) 140 (adjustable up to 220 mm.) Black colour - length (mm) 218 (adjustable up to 360 mm.) **Use:** per elettromagneti serie - 181 - 190
05115	**RELEASE/RESET PUSH BUTTON** Box in grey colour plastic material for wall mount Dimensions (mm): 81 x 67 x 55 N.O. / N.C. push button contact **Use:** push button for remote release of the retainer electromagnets or for silencing reset of the fire control panel Art. 52002

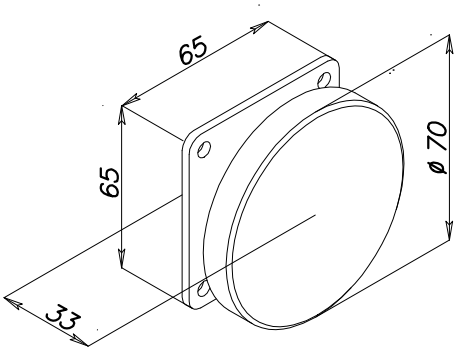
SWINGING PLATES AND BRACKETS DRAWINGS



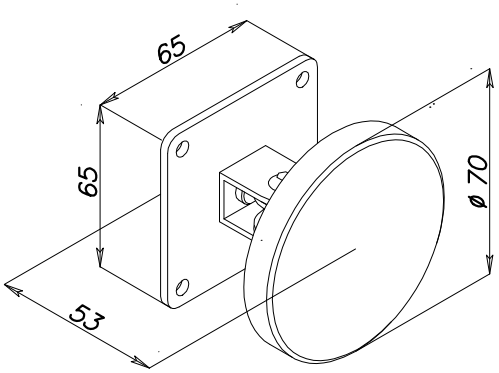
01800Z



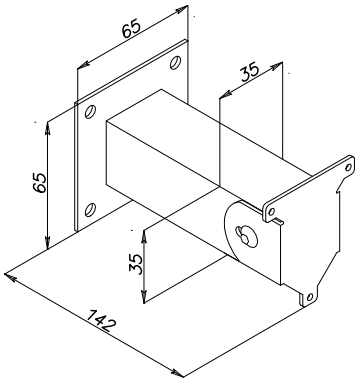
01805Z



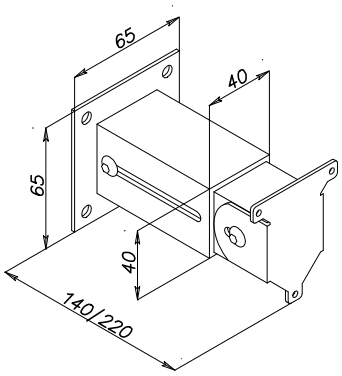
01810Z



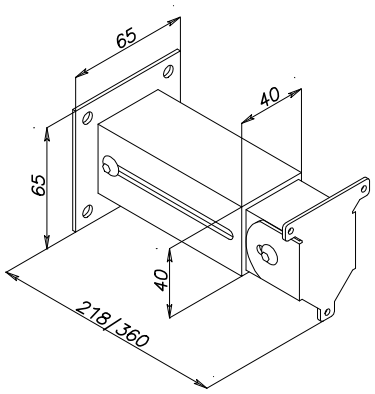
01815Z



01740F

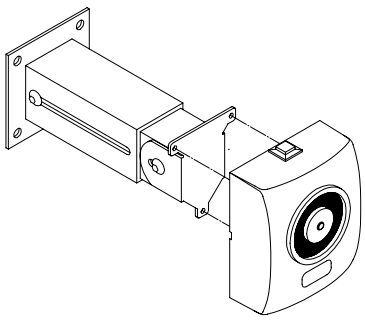


01740

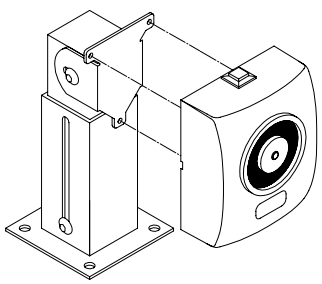


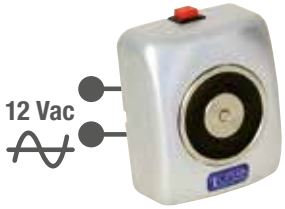
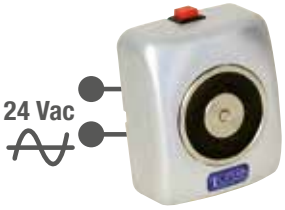
01740M

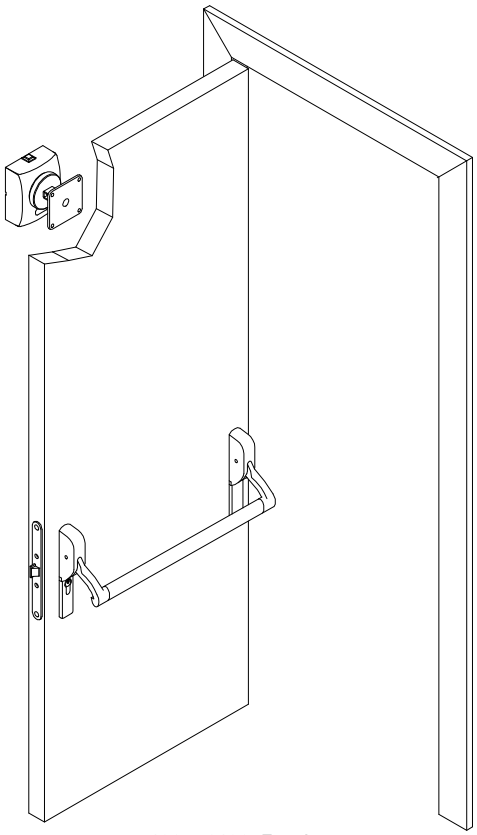
WALL MOUNTING BRACKET EXAMPLE



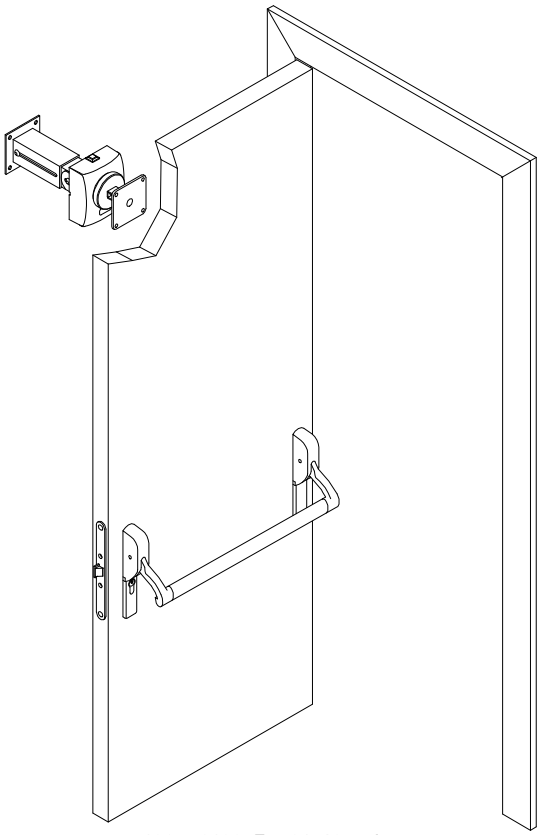
FLOOR MOUNTING BRACKET EXAMPLE



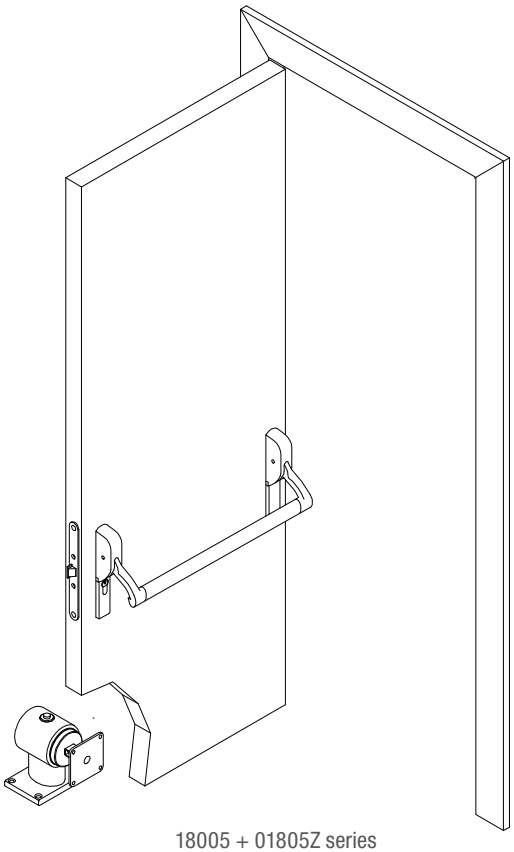
	Art.	Description
	Art. + LV	**12 VDC POWER** Special coil for voltage 12 Vdc Absorbed current: 120 mA Part no. electromagnet + LV (i.e. 19001LV) **Use:** for all electromagnets of 01620, 01630, 180, 190 series
	Art. + ALV	**12 VAC POWER** Special coil and rectifier circuit for operation of the electromagnet at 12 Vac Absorbed current: 130 mA Part no. electromagnet + ALV (i.e. 19001ALV) **Use:** for all electromagnets of 01620, 01630, 180, 190 series
	Art. + AC	**24 VAC POWER** Rectifier circuit for voltage at 24 Vac Absorbed current: 100 mA Part no. electromagnet + AC (i.e. 19001AC) **Use:** for all electromagnets of Fire Control series
	Art. + HV	**48 VDC POWER** Special coil for voltage at 48 Vdc Absorbed current: 40 mA Part no. electromagnet + HV (i.e. 19001HV) **Use:** for all electromagnets of 180, 190 series
	Art. + LF	**REDUCED HOLDING FORCE 20 KG.** Current reducer to bring the holding force for the standard electromagnets to 20 Kg. Part no. electromagnet + LF (i.e. 19001LF) **Use:** for all electromagnets of 01620, 01630, 180, 190 series
	Art. + F	**SCREW CONNECTOR** Power connector with screw terminal block and anti-disturb varistor fixed on the body of the electromagnet Part no. electromagnet + F (i.e. 01630F) **Use:** for all electromagnets of 01620, 01630, 01820, 01830 series
	Art. + M	**STATUS SENSOR** Internal magnetic sensor with N.O. contact for indication of attracted Armature plate Part no. electromagnet + M (i.e. 19001M) **Use:** for all electromagnets of 01620, 01630, 180, 190 series



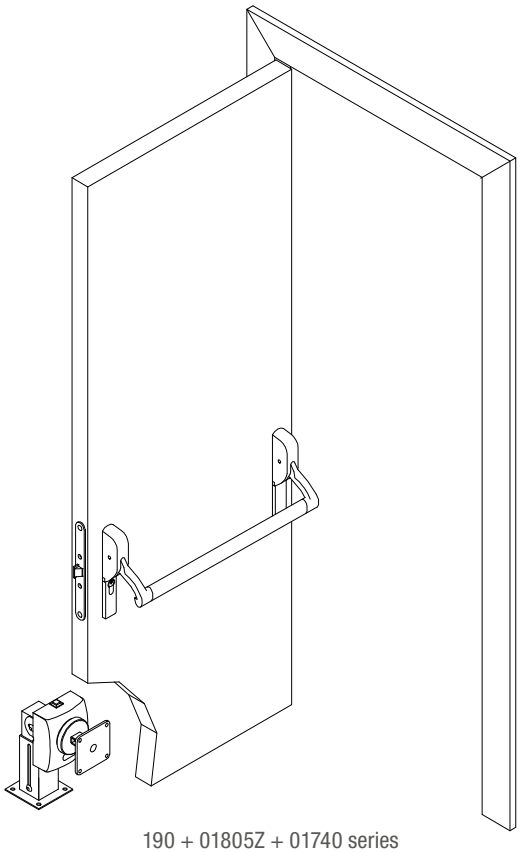
190 + 01805Z series



190 + 01805Z + 01740 series



18005 + 01805Z series



190 + 01805Z + 01740 series

The **hydraulic dampers** allow the automatic reclosure of a sliding fire door to be braked. After the critical moment of departure is over, the velocity of the door increases progressively and proportionally to the travel period and to its own weight. In emergency situations, the energy release could cause serious damage to people or things that may be in the way. The hydraulic regulator allows the closure velocity to be stabilized in a constant way

Art.	Description

60000

HYDRAULIC DAMPERS

Body in aluminium
See dimensions at the bottom page
Pulley in steel, diameter (mm) 60 for insertion of a trapezoidal belt
(special pulleys available on request)
Hydraulic, free sliding clockwise system and refrained anticlockwise
(reversible).
Screw adjustment of the refrained system.
Working temperature: -15° +70°C
Side M8 fixing for insertion on support brackets (sold separately)

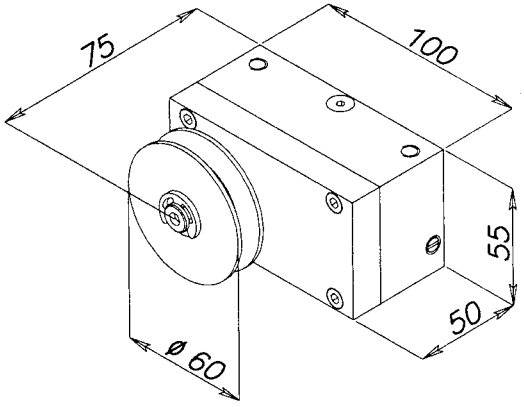
Use: used to limit the run speed of sliding or counterweighted fire doors

60001

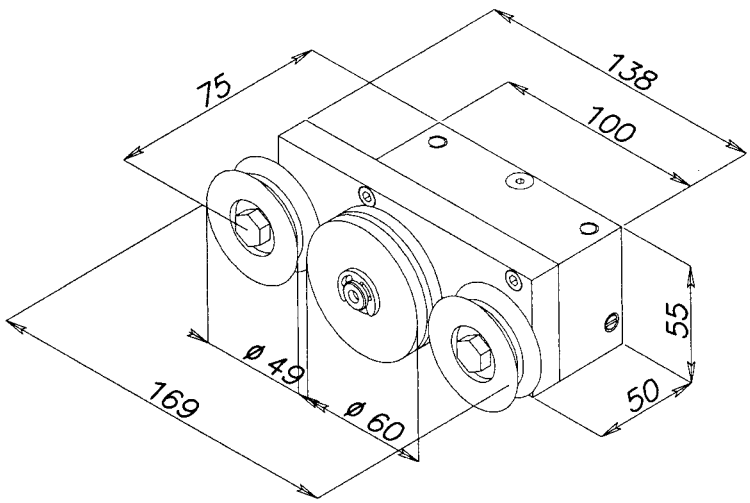
3 PULLEY VERSION HYDRAULIC DAMPER

Body in aluminium
See dimension at the bottom page
Pulley in steel with vulcolan insert,
diameter (mm) 60 for insertion of a 3 mm. diameter steel cable
Hydraulic, free sliding clockwise system and refrained anticlockwise
(reversible).
Screw adjustment of the refrained system.
Working temperature: -15° +70°C
Side M8 fixing for insertion on support brackets (sold separately)

Use: used to limit the run speed of sliding or counterweighted fire doors



60000 Series

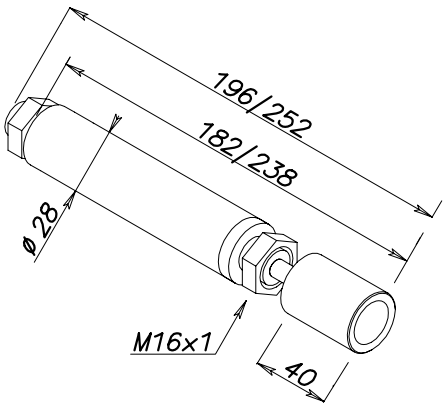


60001 Series

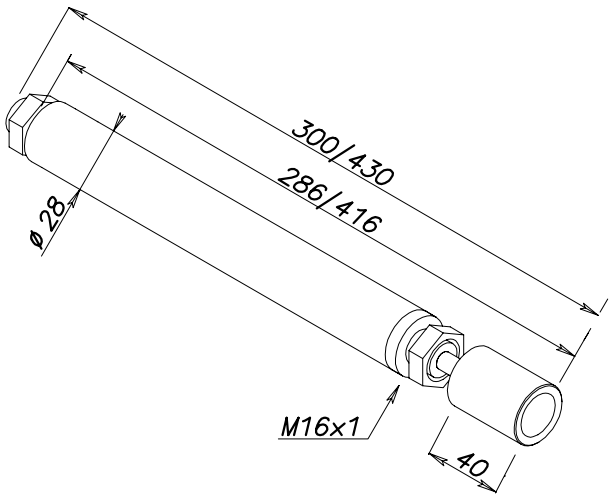
The **hydraulic shock absorbers** are used as stops to slow the impact and therefore facilitate the closure of a sliding door thanks to the braking effect deriving from the passage of the oil through holes and slots made in the cylindrical body. The degree of braking can be increased or decreased through a regulation system by opening or closing the passages of the oil through the piston. The stem of the shock absorber, once compressed, automatically rearms upon the reopening of the door through a special magnet, preparing itself for a new cycle

Art.	Description
	SHORT HYDRAULIC SHOCK ABSORBER Galvanized steel cylindrical body Diameter of the body and magnet: 28 mm Minimum total length including magnet: 196 mm Total length in maximum extension: 252 mm Stroke: 56 mm Hydraulic shock absorbing system Adjustment of the hardness of the shock absorber Fixing through threaded terminals M 16 x 1 Safety valve to release the brake fluid in the case of fire and to prevent the spontaneous reset of the stem by thermal expansion of the liquid (only Art. 65000)
65000	With safety valve
65000SV	Without safety valve
	Use: closure impact shock absorber for sliding fire doors with counterweights

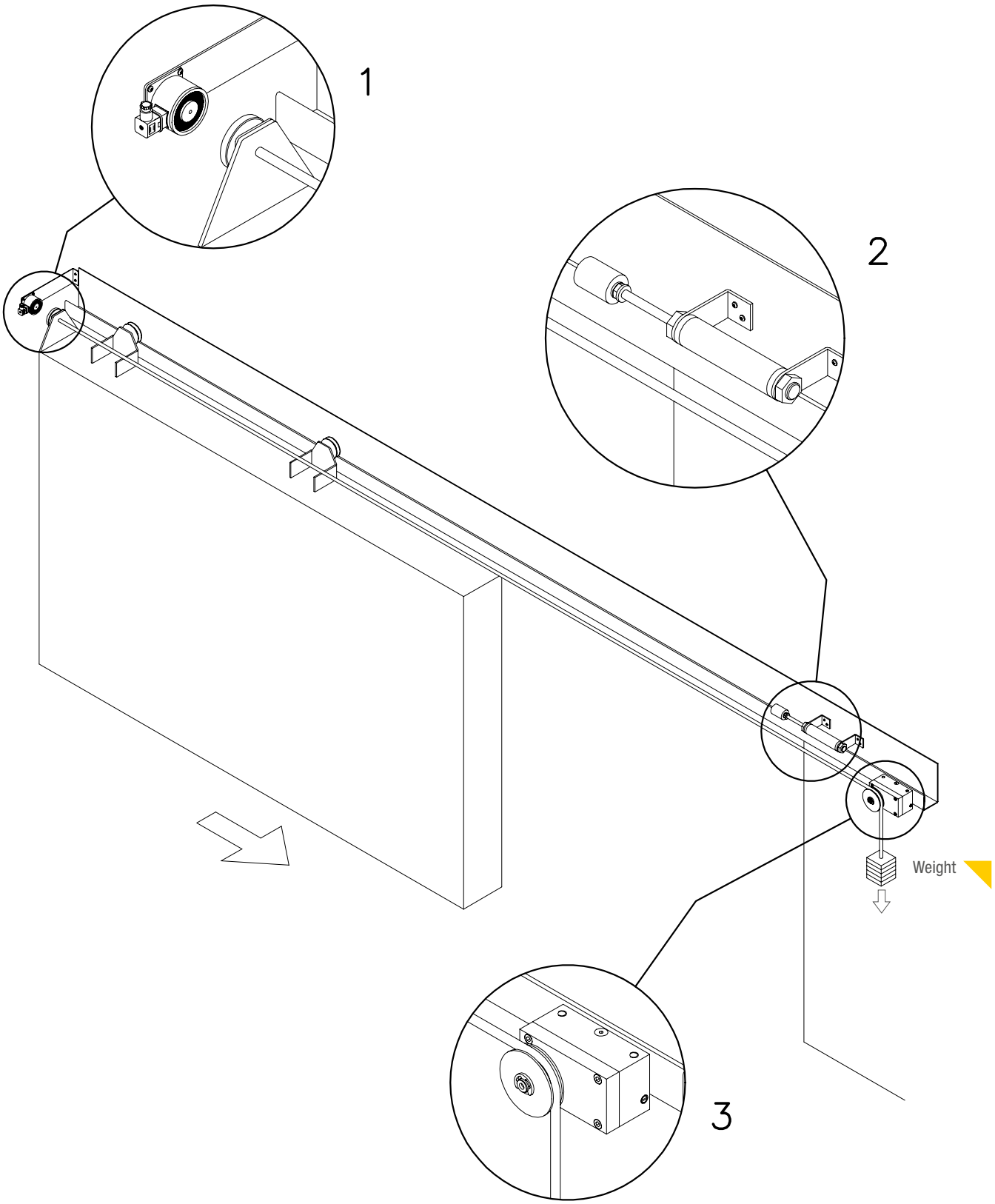
Art.	Description
	LONG HYDRAULIC SHOCK ABSORBER Galvanized steel cylindrical body Diameter of the body and magnet: 28 mm Minimum total length including magnet: 300 mm Total length in maximum extension: 430 mm Stroke: 130 mm Hydraulic shock absorbing system Adjustment of the hardness of the shock absorber Fixing through threaded terminals M 16 x 1 Safety valve to release the brake fluid in the case of fire and to prevent the spontaneous reset of the stem by thermal expansion of the liquid (only Art. 65001)
65001	With safety valve
65001SV	Without safety valve
	Use: closure impact shock absorber for sliding fire doors with counterweights



65000 Series



65001 Series



LEGENDA

1 Door retainer
2 Shock absorber
3 Hydraulic damper

Art.	Description
52002	**SINGLE ZONE FIRE ALARM PANEL**

Box in beige ABS
Dimensions (mm): 240 x 150 x 48
Operating voltage:
1Primary, 230 Vac 50-60Hz mains
2Auxiliary provided by 2 12Vdc 1.1/1.3 Ah batteries (item 00112 compulsory and sold separately) See page 63
Operational zones: single
Main panel with LED to indicate operational status of the panel with the following displays:
- fire alarm
- mains power/power failure
- auxiliary power/power failure (battery)
- panel general fault
- detector(s) line fault
- remote alarm activation call point(s) line fault
- manual out of order status of the panel
- sounder line fault
- electromagnets power status
- system fault

Manual out of order push button of the sounder line and the call point and detector lines;
Alarm conditions, fault or out of order reset push button
Key switch for access to the panel's Level 2 functions

Inputs (on terminal block):
Heat and smoke detector(s) line (up to 8 units, compulsory, sold separately and EN54-5 (heat) / EN54-7 (smoke) certified, Art. 05203A or 05204A) See page 64
Remote alarm activation call point(s) line (up to 5 units, min. 2 compulsory, sold separately and EN54-11 certified Art. 05110R) See page 60
Remote manual electromagnetic release button(s) line
External alarm buzzer silencing/reactivation push button following alarm condition (Art. 05115) See page. 64

CERTIFICATO DI CONFORMITA' CE

0051 – CPD – 0264

CENTRALE DI CONTROLLO E DI SEGNALAZIONE PER SISTEMI DI RIVELAZIONE E DI SEGNALAZIONE D'INCENDIO PER EDIFICI CON ALIMENTATORE INTEGRATO

Designazione: 52002

OPERA S.R.L.

VIA PORTOGALLO 43
41122 MODENA MO

EN 54-2:1997+A1:2006
EN 54-4:1997 + A1:2002 + A2:2006

IMQ

Outputs (on terminal block):
Electromagnets line (up to 4 - 24 Vdc - Max. 300 mA totals)
Output for connection of up to 2 external sounders (additional electronic sounder compulsory, sold separately and EN54-3 certified, Art. 05207) operating in parallel to the internal sounder
of the panel. See page 64
1 relay output on COM./N.O./N.C contacts (2 A) for external indication of out of order/fault status of the panel

Other features:
Signalling of the presence/absence of mains power
Signalling of the presence/absence of auxiliary power (battery)
Battery status monitoring
Silencing of panel alarm signalling
Reactivation of alarm signalling after a new alarm signal from any of the detection devices
Possibility of placing the panel out of service manually for system maintenance
Identification and signalling (visual and acoustic) of the presence of detector and remote fire alarm activation call point lines
Possibility of delayed power cut to the electromagnets

Compliance: EN54-2 (panel) and EN54-4 (power supply)

Art.	Description

NEW

05203A

DUAL HEAT AND SMOKE DETECTOR

Container in white ABS
Dimensions (mm): 100 diameter x 52 height
Operating voltage : 24 Vdc (10 – 30 Vdc)
Absorption in standby 67 microA @ 24Vdc/ in alarm: 25 mA
Operating temperature: - 20 to + 70 °C
Operational technology: optical, heat
Supplementary detector complete with base for ceiling mount, can be connected to article 52002
Compliance: EN54-7 (smoke)
Use: this dual heat detector activates alarm condition in case of smoke detection or heat detection

ART. + BRA

On demand: relay base for connection with other systems

NEW

05204A

HEAT RATE OF RISE DETECTOR

Container in white colour plastic material
Dimensions (mm): 100 diameter x 47 height
Operating voltage : 24 Vdc (10 – 30 Vdc)
Absorption in standby 55 mA / in alarm: 25 mA
Operational technology: heat rate of rise with trigger for increases higher than 30°C per minute.
Operating temperature: - 20 to + 70 °C
Supplementary detector complete with base for ceiling mount, can be connected to article 52002
Compliance: EN54-5 (heat)
Use: this heat rate of rise detector triggers an alarm condition in case of detection of a rapid rise in temperature

ART. + BRA

On demand: relay base for connection with other systems

05206A

TEST SPRAY FOR SMOKE DETECTORS

Spray bottle to check correct operation of the smoke detectors Art. 05203

05207

ELECTRONIC SOUNDER

Container in red colour plastic material
Dimensions (mm): 93 diameter x 63 height
Operating voltage: 12 / 24 Vdc - 15 mA
Sound power: Max 114 dB @ 24 Vdc
Working temperature -25° +70° C
IP rating: P54
32 tones selectable by internal dip switches.
Compliance: EN54-3

Use: electronic alarm to be used with single zone panel 52002

05115

RELEASE/RESET PUSH BUTTON

Box in grey colour plastic material for wall mount
Dimensions: mm 81x67x55
N.O / N.C push button contact
Use: push button for release of the retainer electromagnets or for silencing reset of the fire control panel Ref. 52002

Art.	Description

05110R

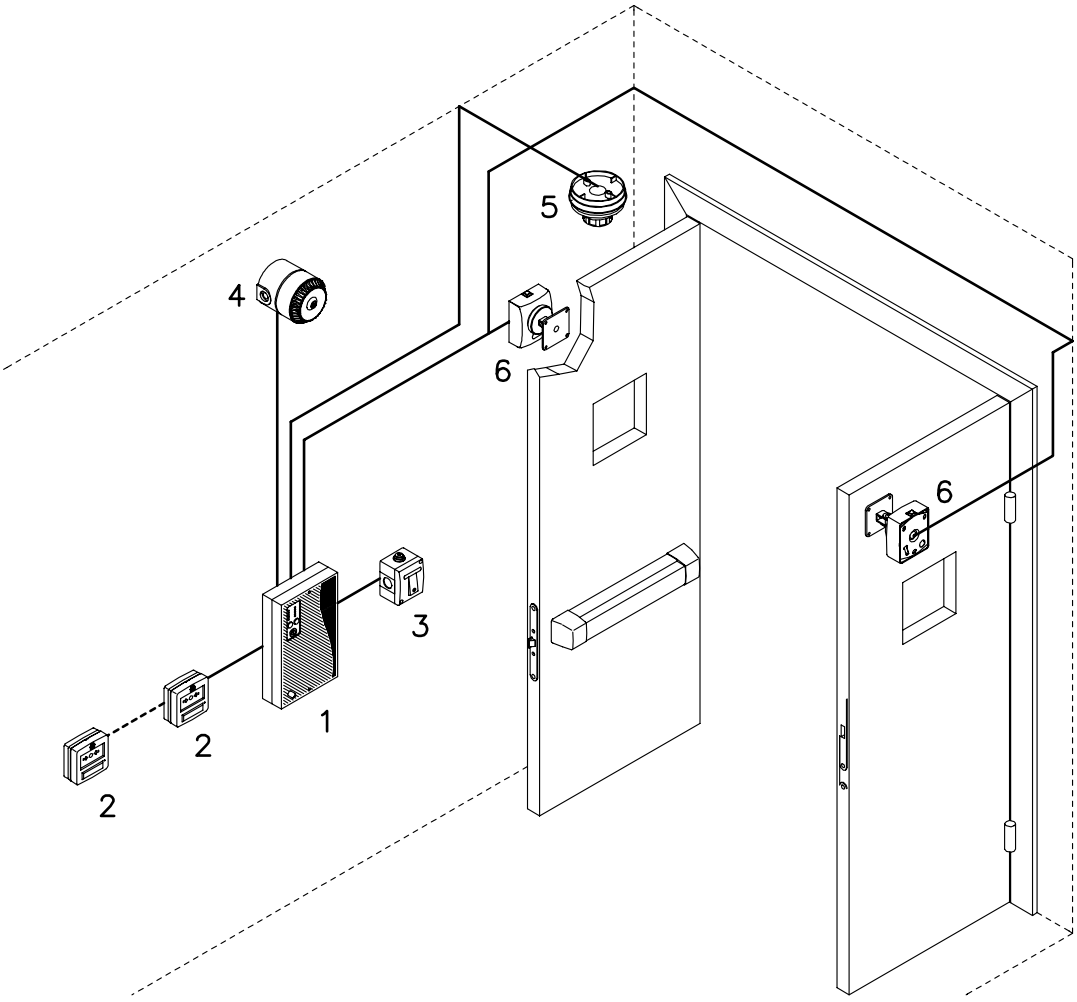
CALL POINT FOR ALARM ACTIVATION WITH PRESSURE, WITH MANUAL RESET

ABS box
Dimensions: 99 x 95 x 43 mm
C./N.A./N.C. internal exchange contact
Manual reset of the contact
Degree of protection: IP41
Transparent Plexiglas cover for the protection of the activation button of the case
Red box (for the connection to fire prevention systems)
Use: pressure on the plastic front panel plate activates the switching of the electrical contact
Compliance: EN54-11 (only Art. 05110R)

00112

BATTERIES

12 Vdc rechargeable lead battery
Power: 1.2 A for Art. 52002



LEGENDA

1 Single zone controller
2 Activation switches
3 Silence switch
4 Alarm
5 Detector
6 Electromagnets

SMART TRIM

- ELECTRONIC HANDLE FOR FIRE DOORS AND EMERGENCY EXITS
- TO BE MATCHED WITH ALL FIRE DOORS LOCKS
- CAN BE MOUNTED ON NARROW METAL FRAMES
- ELECTRONICS CONTROL UNIT WITH INTERNAL MICROPROCESSOR
- OPTIC AND ACOUSTIC INTEGRADED SIGNALLING

SMART TRIM

www.opera-italy.com

PLUS

- Elegant design in mat chrome satin finish
- To be matched with rim type panic bars
- Internal electronics with micro switch
- Blue/White LED for floor lighting
- Power 12/24 Vac/dc
- Adjustable timer
- Activated bar signalling contact

ELECTRIC HANDLE FOR MORTICE LOCKS

ELECTRIC HANDLE FOR RIM PANIC BARS

PLUS EXAMPLE

- Version for fire doors
- Version for panic bars
- Opening by internal button
- To be matched with intercom and access control systems

Black

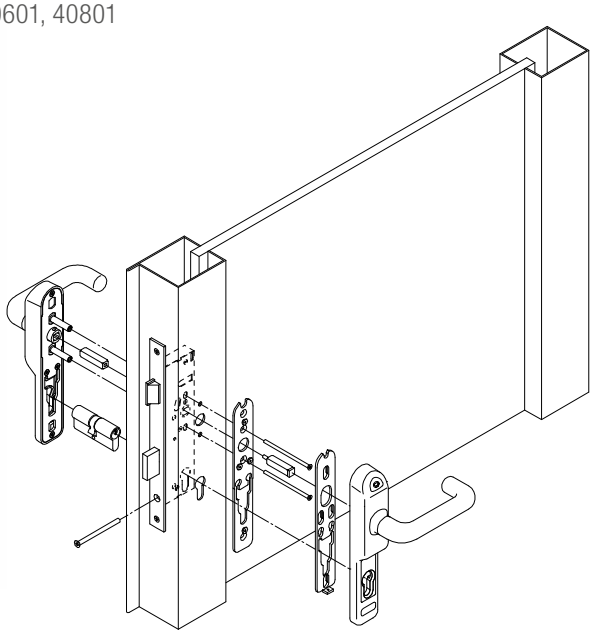
White RAL 9002

Gray RAL 9006

Art.	Description
	ELECTRICALLY OPERATED HANDLE **For full metal and glass fire proof doors** Body made of black painted zinc alloy Handle made of black painted aluminium with steel core Internal mechanisms made of hardened steel Dimensions: 225 x 38 x 33 mm, handle H 85 mm Distance between cylinder and handle: 72, 92 mm Handle panel 9 mm (8 mm upon request) Fixing on the door without having to make supplementary holes Power supply 12/24 V AC/DC Current consumption: at 12 V - 700 mA peak/500 mA maintenance at 24V - 300 mA peak/200 mA maintenance Red LED for the signalling of the handle disabled status (version 40600) Green LED for the signalling of the handle enabled status (version 40800)
	Version WITHOUT CLOSING TIME DELAY **Use:** to be used instead of the traditional mechanical handle mounted on the pull side of the door The handle, which is usually found in the neutral position, can be enabled by removing the power supply (version Art. 40600) by providing power (version Art. 40800) through a button contact or by access control. The enabling is limited to the length of the impulse.
40600	Fail safe version – enabled with no power – Black colour
	On demand with longer delivery time. Consult factory:
40600B	Fail safe version – enabled with no power – White colour (RAL 9002)
40600GM	Fail safe version – enabled with no power – Gray colour (RAL 9006)
40800	Fail secure version – Black colour
	On demand with longer delivery time. Consult factory:
40800B	Fail secure version – White colour (RAL 9002)
40800GM	Fail secure version – Gray colour (RAL 9006)
	Version WITH CLOSING TIME DELAY Internal time adjustable from 0 - 60 s (can be excluded) Open Collector output to pair to an external micro-relay for the handle enabled signalling Red/green two-colours LED for the signalling of the handle enabled or disabled status Internal acoustic signalling, excludable, for the access enabled indication **Use**: to be used instead of the traditional mechanical handle mounted on the pull side of the door. The handle, which is normally found in the neutral position, can be enabled through the closure of an N.A. contact by button or by access control. In this version, the power supply is kept fixed.
40601	Fail safe version – enabled with no power – Black colour
	On demand with longer delivery time. Consult factory:
40601B	Fail safe version – enabled with no power – White colour (RAL 9002)
40601GM	Fail safe version – enabled with no power – Gray colour (RAL 9006)
40801	Fail secure version – Black colour
	On demand with longer delivery time. Consult factory:
40801B	Fail secure version – White colour (RAL 9002)
40801GM	Fail secure version – Gray colour (RAL 9006)
Art. + MEC	Handle - Mechanical version

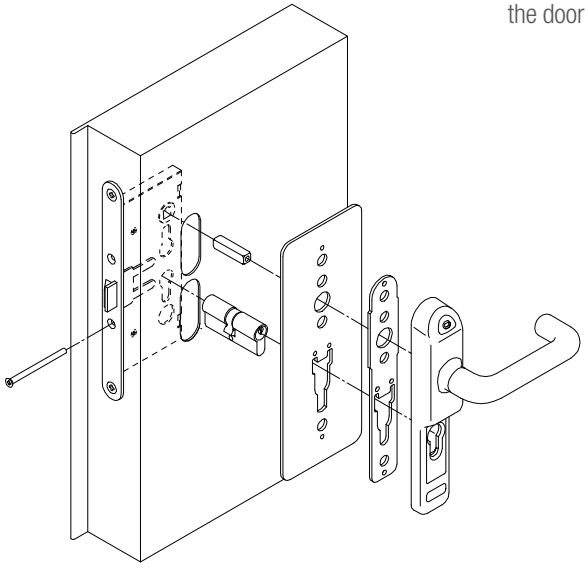
Note.: the use of split follower is required when fitting the electric handle to antipanic touch-bar handles. It is not designed to be exposed to weather conditions

Art.	Description
Art. + DM	**DOUBLE HANDLE VERSION** (Ex. 40800DM) Electric handle with fixing plate for mounting two electric handles on both side of the same door (See drawing below). This unit must be paired with a standard electric handle 40600, 40800, 40601, 40801



Double handle application
Art. 40800DM + 40800

Art.	Description
00406	**FIXING PLATE FOR ELECTRICALLY OPERATED HANDLE** Body in black painted steel Dimensions (mm): 260 x 100 x 3 Fixing to the door by means of the electric handle itself without having to drill additional holes **Use**: the plate base is a supplementary accessory which can be combined with the electric handle in cases the surface contact needs to be increased (when the fixing of the electric handle tends to crush the structure of the door itself)



Fixing under-plate item 00406

distance between cylinder and handle 72mm

Distance between cylinder and handle 92mm

Full plate

Matt chrome

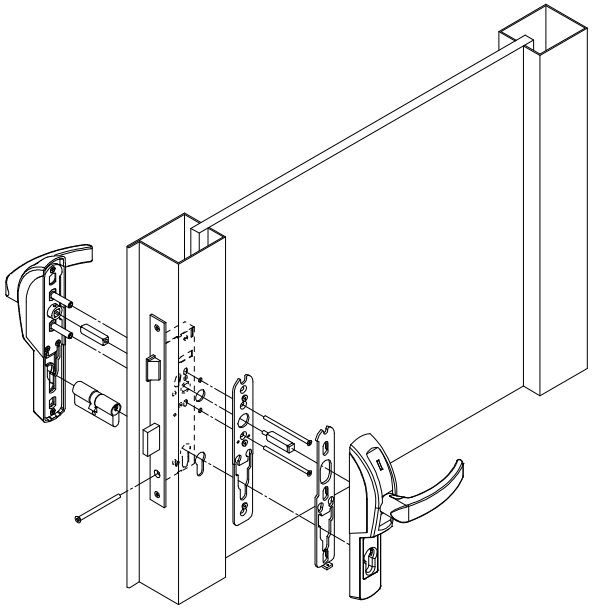
White

Black

Art.	Description
	ELECTRICALLY OPERATED HANDLE **For locks for full metal and glass fire proof doors** Brushed metal body and handle Case-hardened steel internal mechanisms Dimensions: mm 234 x 48,5 x 38, handle height mm 84 Distance between cylinder and handle mm 72 (on demand 85mm, 92mm or full blank with no hole) Handle panel mm 9 (on request mm 8) Mounting on the door, no additional holes required Selectable handle panel rotation 45° or 60° Power supply 12/ Vac/dc – 24Vdc Absorbed current: at 12V – 700 mA peak/ 500 mA holding at 24V – 300 mA peak/200 mA holding Electronic opening holder Red LED (handle disabled for 40610 version) and green (handle enabled for 40810 version) **VERSION WITHOUT CLOSING TIME DELAY** **Use:** replacement of traditional mechanical handle mounted outside door. The handle, normally free turning, can be enabled by de-energizing (P/N 40610 version) or energizing (P/N 40810 version) through a button contact or access control system. Action is limited to the duration of the impulse.
40610	Fail safe – enabled with no power – Matt chrome plated
40610N	Fail safe – enabled with no power – Black painted (RAL 9005)
40610B	Fail safe – enabled with no power – White painted (RAL 9010)
40810	Fail secure – disabled with no power – Matt chrome plated
40810N	Fail secure – disabled with no power – Black painted (RAL 9005)
40810B	Fail secure – disabled with no power – White painted (RAL 9010)
	VERSION WITH CLOSING TIME DELAY Additional features over the previous version: Internal timer adjustable from 0-60 s (optional) Open collector output can be coupled with a micro external relay to report handle enabled (see P/N 05258) Two colours red/green LED signalling the handle status enabled or disabled Blue LED to light the bottom of door **Use**: replacement of traditional mechanical handle mounted outside door. The handle, normally free turning, can be enabled by closing a NO button contact or access control system. In this version power supply is always on
40611	Fail safe – enabled with no power – Matt chrome plated
40611N	Fail safe – enabled with no power – Black painted (RAL 9005)
40611B	Fail safe – enabled with no power – White painted (RAL 9010)
40811	Fail secure – disabled with no power – Matt chrome plated
40811N	Fail secure – disabled with no power – Black painted (RAL 9005)
40811B	Fail secure – disabled with no power – White painted (RAL 9010
	Note: the use of split frames is required when fitting the electric handle to a panic bar through the mortice lock
Art. + MEC	Mechanical handle (ex. art.40610MEC)

NEW

Art.	Description	€
Art. + DM	**DOUBLE ELECTRONIC HANDLE APPLICATION** (l.g. 40810DM) Electric handle with fixing plate for mounting two electric handles on both side of the same door. See drawing below.	



Double handle fixing
Item 40810DM + 40810

DISTANCE BETWEEN CYLINDER AND HANDLE

72 mm standard

85 mm on demand

92 mm on demand

Full plate on demand

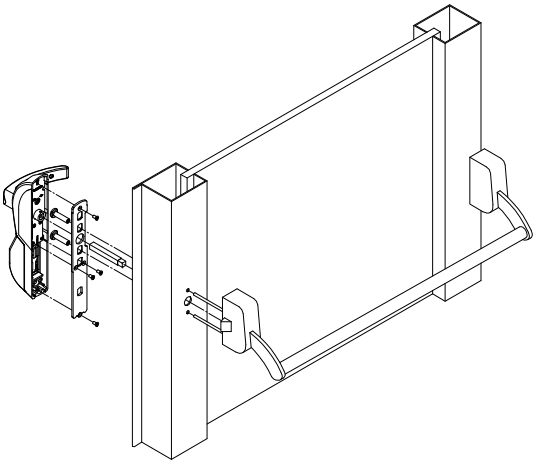
Matt chrome

White

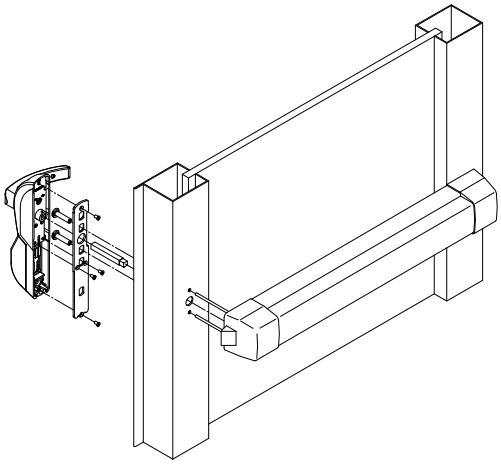
Black

Art.	Description
	ELECTRICALLY OPERATED HANDLE **For rim panic exit bars** Brushed metal body and handle Case-hardened steel internal mechanisms Dimensions: mm 232 x 55 x 38 handle height mm 84 Handle panel can be rotated 45° or 60° depending on the type of panic bar used Mechanical enabling through flat key cylinder Mounting on the door, no additional holes required Power supply 12/24 V AC/DC Absorbed current: at 12V – 700 mA peak/ 500 mA holding at 24V – 300 mA peak/200 mA holding Electronic opening holder Red LED (handle disabled for 40620 version) and green (handle enabled 40820 version)
	Version WITHOUT CLOSING TIME DELAY **Use:** replacement of traditional mechanical handle mounted outside door. The handle, normally free turning, can be enabled by de-energizing (P/N 40620 version) or energizing (P/N 40820 version) through a button contact or access control system. Action is limited to the duration of the impulse.
40620	Fail safe – enabled with no power – Matt chrome plated
40620B	Fail safe – enabled with no power – Black painted (Ral 9005)
40620N	Fail safe – enabled with no power – White painted (Ral 9010)
40820	Fail secure – disabled with no power – Matt chrome plated
40820B	Fail secure – disabled with no power – Black painted (Ral 9005)
40820N	Fail secure – disabled with no power – White painted (Ral 9010)
	Version WITH CLOSING TIME DELAY Additional features over the previous version: Internal timer adjustable from 0-60 s (optional) Open collector output can be coupled with a micro external relay to report handle enabled (see P/N 05258) Two colours red/green LED signalling the handle status enabled or disabled Blue LED to light the bottom of door The handle, normally free turning, can be enabled by closing a NO button contact or access control system. In this version power supply is always kept
40621	Fail safe – enabled with no power – Matt chrome plated
40621B	Fail safe – enabled with no power – Black painted (RAL 9005)
40621N	Fail safe – enabled with no power – White painted (RAL 9010)
40821	Fail secure – disabled with no power – Matt chrome plated
40821B	Fail secure – disabled with no power – Black painted (RAL 9005)
40821N	Fail secure – disabled with no power – White painted (RAL 9010
	TO COMBINE THE ELECTRIC HANDLE WITH A RIM PANIC BAR THE 00428 FIXING PLATE MUST BE USED
Art. + MEC	**Extra on demand:** Mechanical handle - Matt chrome plated (i.e 40620MEC)

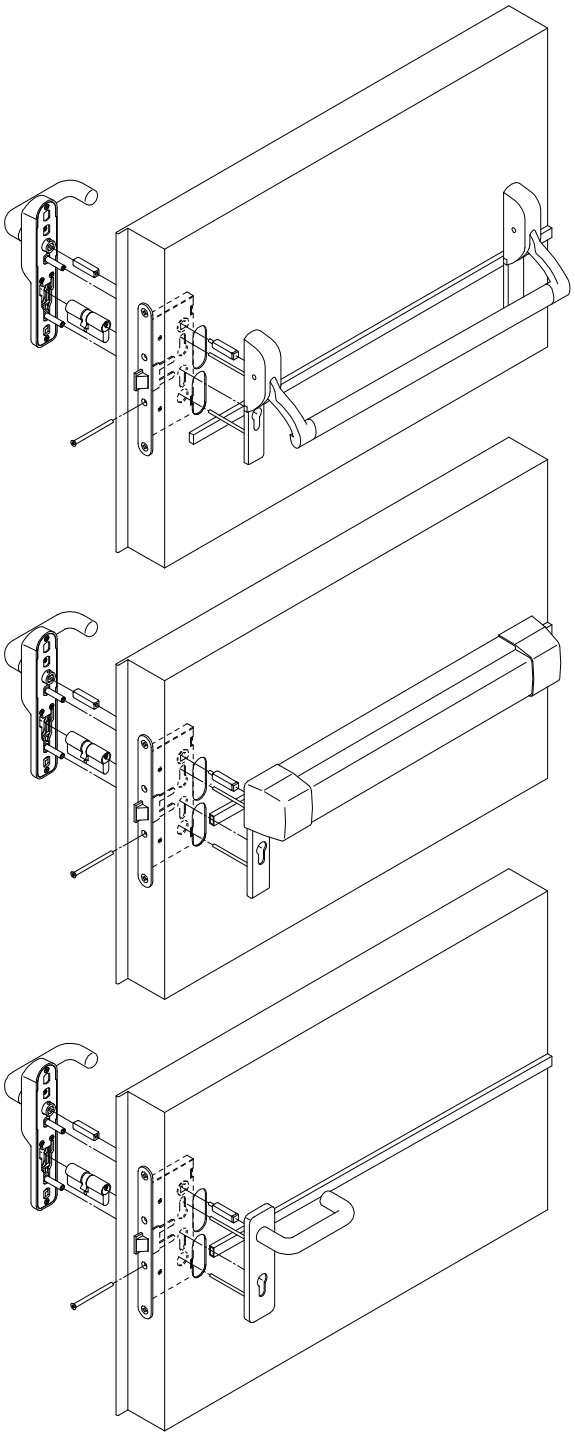
Art.	Description
00428	**FIXING PLATE FOR MOUNTING THE ELECTRICALLY OPERATED HANDLE WITH RIM TYPE PANIC BAR** Galvanized steel made. See web page for panic bar compatibility – just view the on side QR Code with your smartphone app. **Use:** the fixing plate allows use of handles and electric handles 40620 – 40621 - 40820 - 40821 with different brands of panic bars.

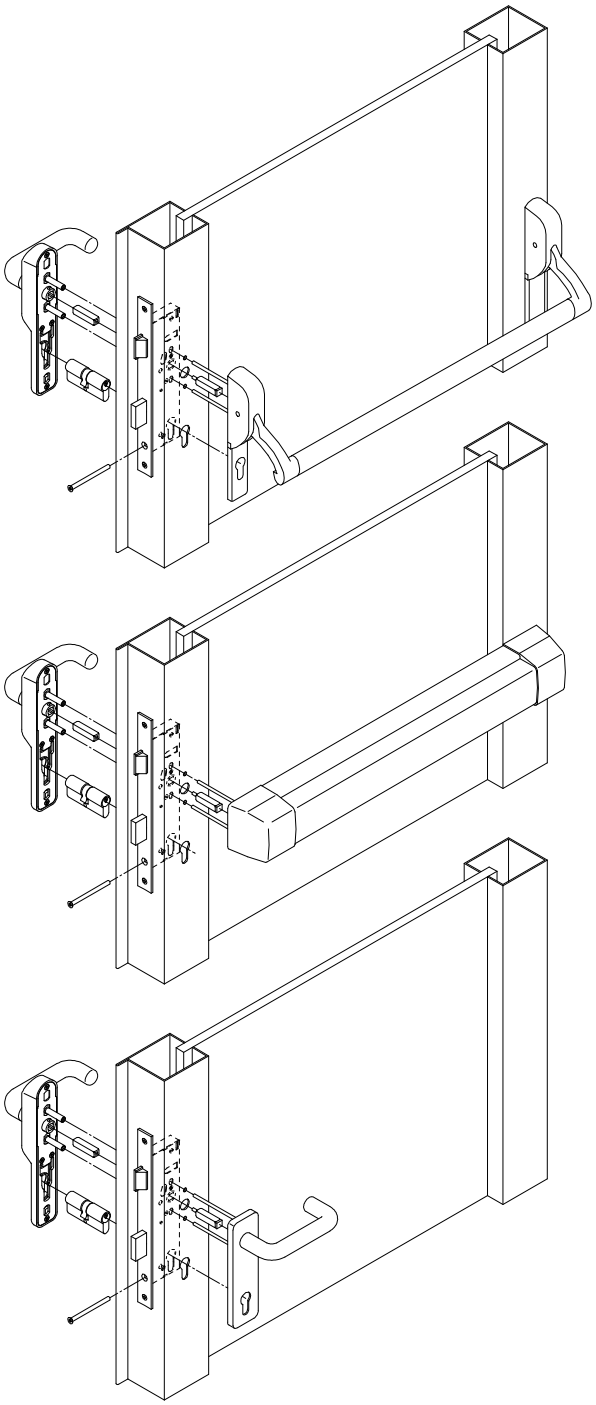


Electric handle with rim panic bar

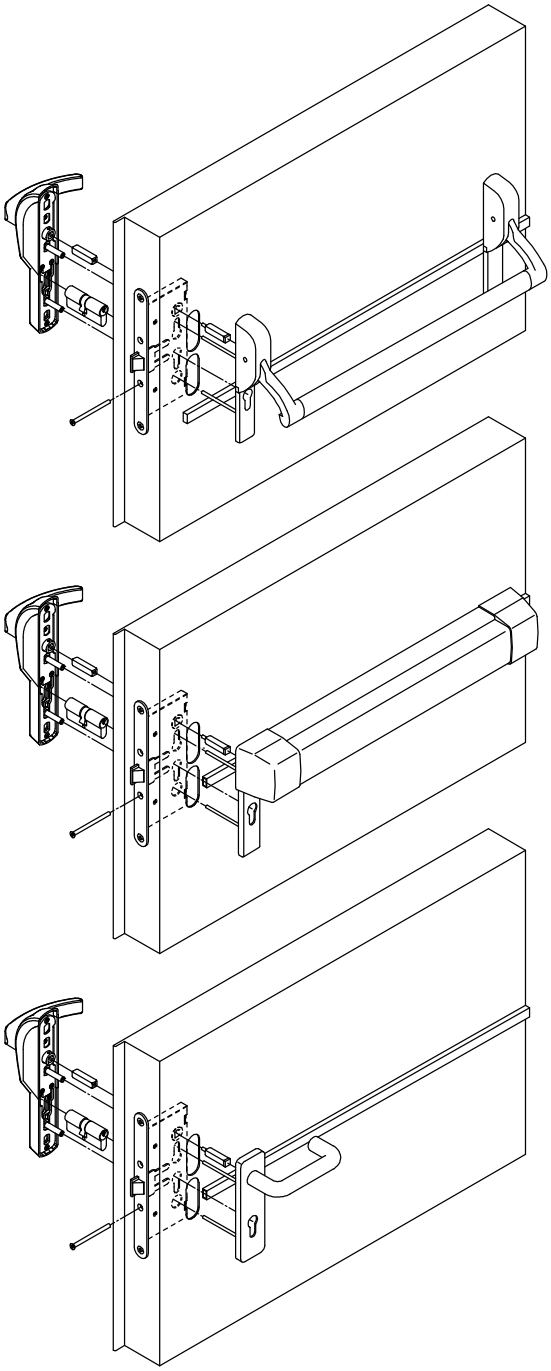


Electric handle with rim touch bar

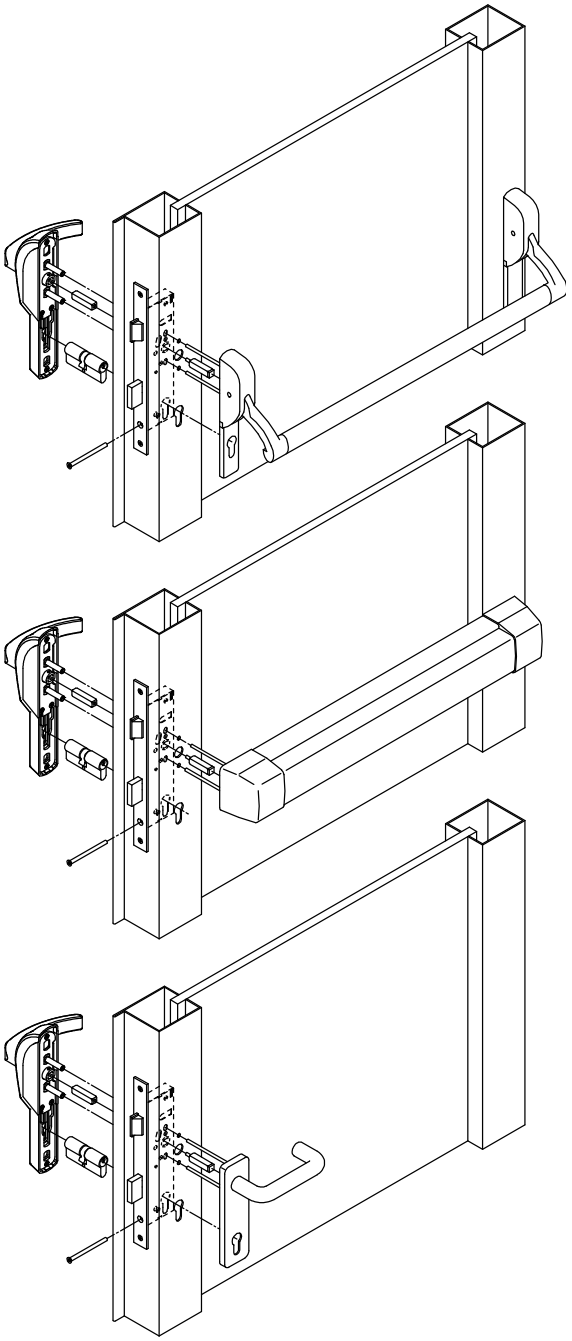


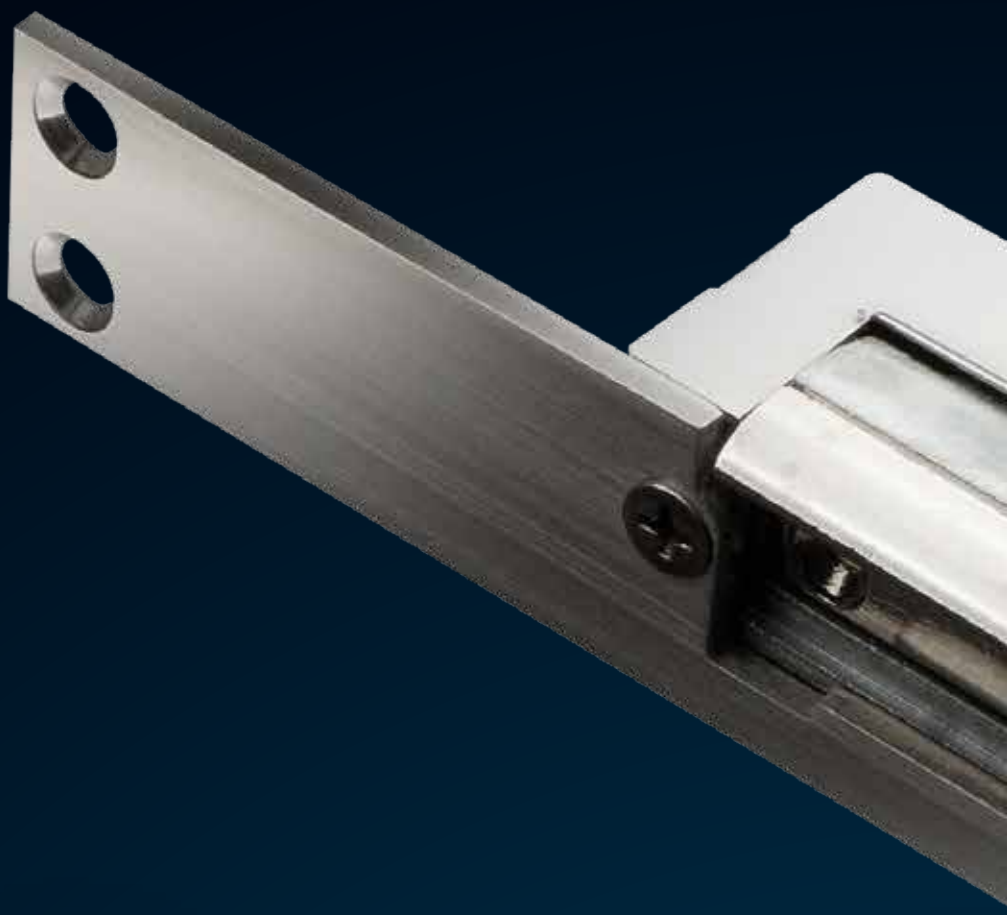


ELECTRIC HANDLE ON FULL METAL FIRE DOOR



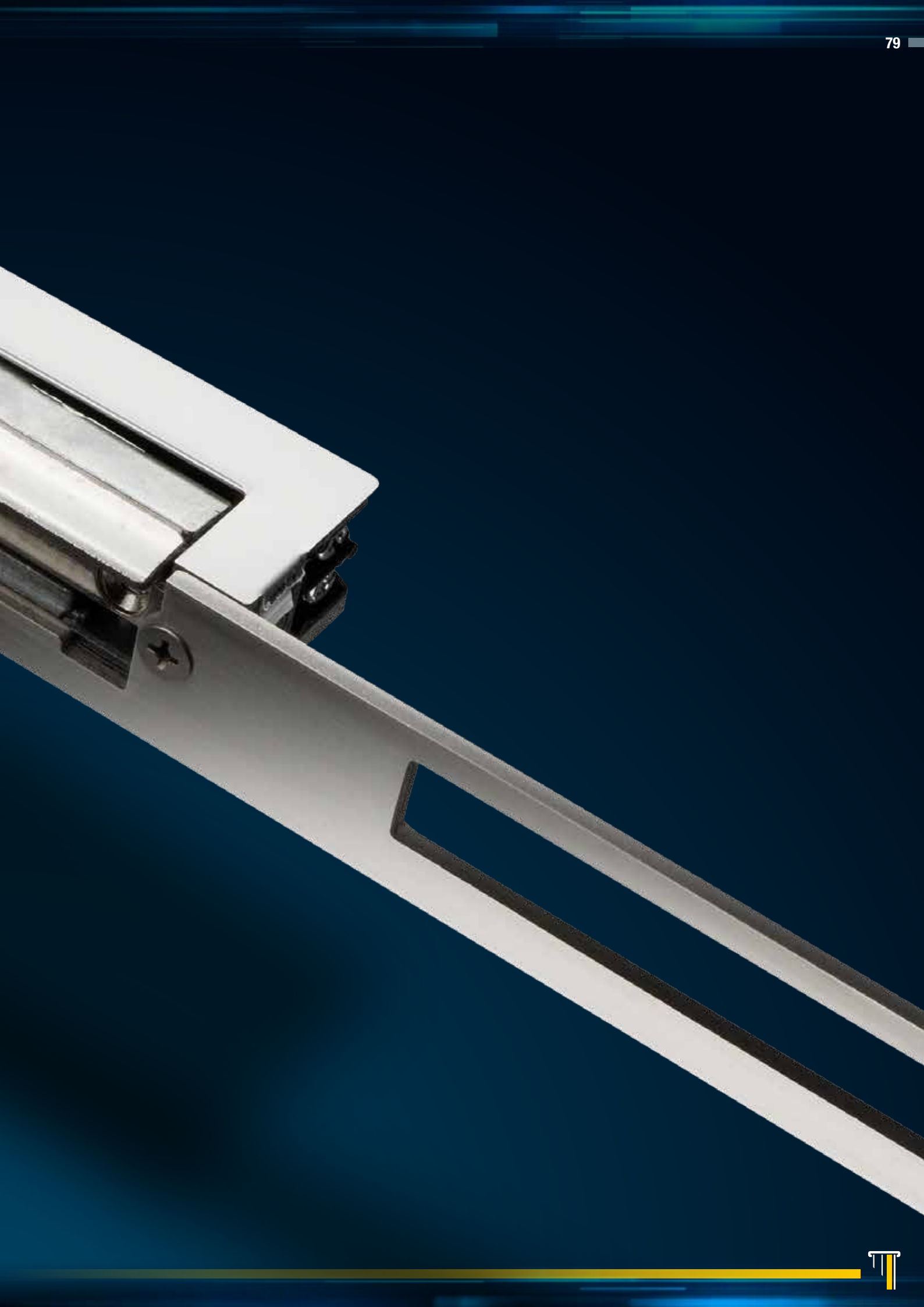
ELECTRIC HANDLE ON GLAZED DOOR





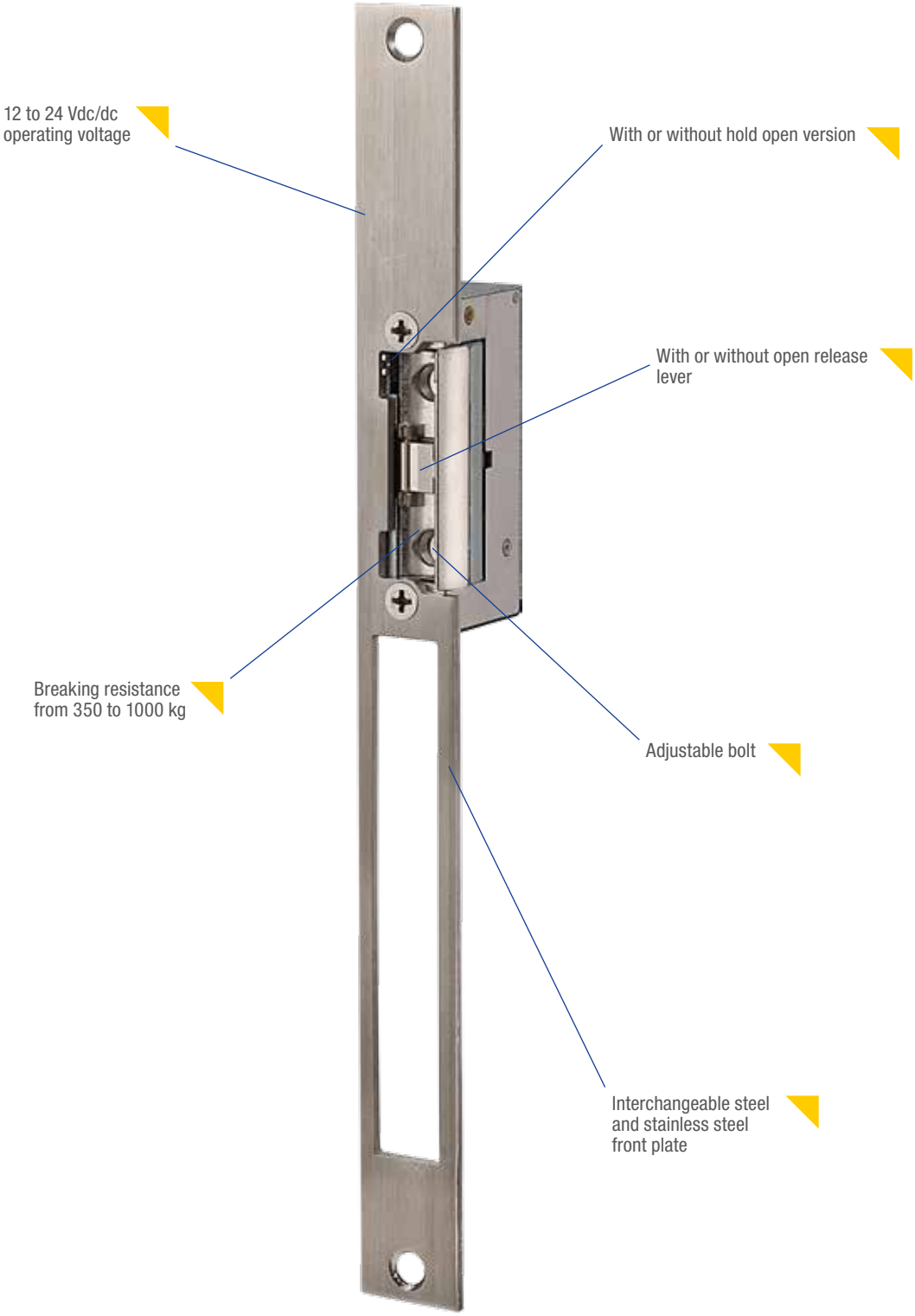
OMNIA

- SECURITY ELECTRIC STRIKES FOR WOODEN OR METAL DOORS
- RADIAL AND OMNIA 16 SERIES WITH 16 MM REDUCED GAUGE
- EXIT SERIE FOR PANIC BARS
- BLINDO SERIE FOR INTERLOCKED AND REINFORCED DOORS
- GLASS SERIE FOR CRYSTAL DOORS



OMNIA

www.opera-italy.com



PLUS

- Ideal to electrify door openings with mechanical locks
- Breaking resistance from 350 to 1000 kg
- Fail safe or fail secure versions
- Low consumption versions to be matched with access control systems
- Versions with door status micro switch
- Wide range of front plates and finishes

OPENING SYSTEM

CLOSED

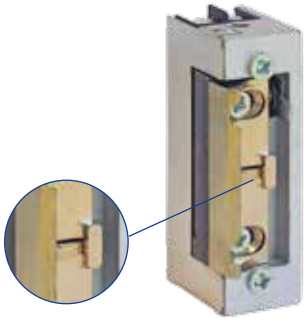
OPEN

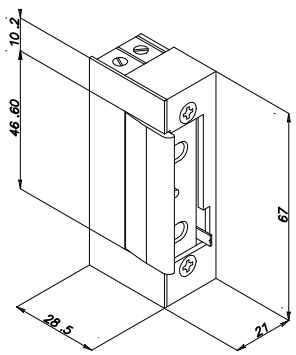
CRYSTAL DOOR EXAMPLE

- Glass electric strike for crystal doors
- Door block without lock
- Fail safe or fail secure versions
- For crystal thickness up to 12 mm
- Stainless steel front plate
- To be matched with access control systems

Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical - reversible. Destruction resisting power: 350 Kg. Horizontally adjustable latch block. **Provided without striking plate (to be ordered– see pages 94, 95 and 98).**

Use: electric strike for aluminium or wood doors with latch or deadbolt locks.

	Art.	Description
		ELECTRIC STRIKE **Fail locked** Without hold open function (opening limited to electrical impulse duration)
	31012	Operating voltage: 8 -12 Vac - 1.000 mA - without open release lever
	31012DC	Operating voltage: 12 Vdc - 300 mA - without open release lever
	31024DC	Operating voltage: 24 Vdc - 170 Ma - without open release lever
	31112	Operating voltage: 8 -12 Vac - 1.000 mA - with open release lever
	31112DC	Operating voltage: 12 Vdc - 300 mA - with open release lever
	31124DC	Operating voltage: 24 Vdc - 170 Ma - with open release lever
		ELECTRIC STRIKE Fail locked With hold open function (opening with electrical impulse) Relocking after door opening
	31212	Operating voltage: 8 -12 Vac – 1.000 mA - without open release lever
	31212DC	Operating voltage: 12 Vdc – 300 mA - without open release lever
	31224DC	Operating voltage: 24 Vdc – 170 mA - without open release lever
	31312	Operating voltage: 8 -12 Vac – 1.000 mA - with open release lever
	31312DC	Operating voltage: 12 Vdc – 300 mA - with open release lever
	31324DC	Operating voltage: 24 Vdc – 170 mA - with open release lever
 Lever hold open function		**ELECTRIC STRIKE** Fail locked With hold open function (opening with electrical impulse) Relocking after door opening
	31212L	Operating voltage: 8 -12 Vac – 1.000 mA - without open release lever
	31212LDC	Operating voltage: 12 Vdc – 300 mA - without open release lever
	31224LDC	Operating voltage: 24 Vdc – 170 mA - without open release lever
	31312L	Operating voltage: 8 -12 Vac – 1.000 mA - with open release lever
	31312LDC	Operating voltage: 12 Vdc – 300 mA - with open release lever
	31324LDC	Operating voltage: 24 Vdc – 170 mA - with open release lever
		AUTOMATIC ELECTRIC STRIKE WITH HOLD OPEN FUNCTION BUILT IN Fail locked. Operating voltage: 8 -12 Vac - Current: 1,000 mA With built in hold open function without reload piston (opening with electrical impulse) Relocking after door opening
	31412A	Without open release lever
	31512A	With open release lever



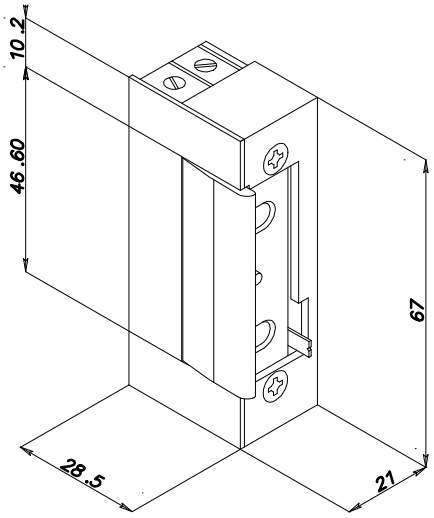
Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical - reversible. Destruction resisting power: 350 Kg. Horizontally adjustable latch block . **Power supply : 10-24Vac-dc**

Provided without striking plate (to be ordered separately – see pages 94, 95 and 98).

Use: electric strike for aluminium or wood doors with latch or deadbolt locks.

Art.	Description
	ELECTRIC STRIKE **Fail locked** Without hold open function (opening limited to electrical impulse duration) Power supply: 10-24 Vac/dc - 1000 mA Power consumption: 185 mA a 12 Vac (impulsive)/240 mA a 12 Vdc (continuos) 480 mA a 24 Vac (impulsive)/580 mA a 24 Vdc (impulsive)
31012UNI	Without open release lever
31112UNI	With open release lever

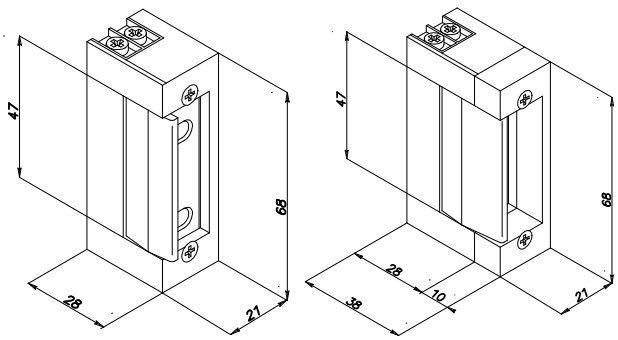
	ELECTRIC STRIKE **Fail locked** With hold open function (opening with electrical impulse) Relocking after door opening Power supply: 10-24 Vac/dc - 1000 mA Power consumption: 185 mA a 12 Vac (impulsive)/240 mA a 12 Vdc (continuos) 480 mA a 24 Vac (impulsive)/580 mA a 24 Vdc (impulsive)
31212UNI	Without open release lever
31312UNI	With open release lever



Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical – reversible. Destruction resisting power: 350 Kg. Horizontally adjustable latch block. **Without striking plate (to be ordered separately – see pages 94, 95 and 98).**

Use: electric strike for aluminium or wood doors with latch or deadbolt locks

Art.	Description
31012DCPN	**LOW CONSUMPTION ELECTRIC STRIKE FOR ACCESS CONTROL SYSTEMS** **Fail locked** Operating voltage: 12 Vac/dc - Current absorption: 250 mA Internal anti-disturb varistor Without hold open function (opening limited to electrical impulse duration) **Use:** electric strike for aluminium or wood doors with latch or deadbolt locks Special low current absorption with anti-disturb varistor. Ideal for use with access control systems (i.e. : hotel badge readers)
31012DCF 31412F	**ELECTRIC STRIKE WITH UP-LIFTED LATCH FOR ACCESS CONTROL SYSTEMS** **Fail locked** Operating voltage: 12Vac/dc - 250mA - without hold open function - opening limited to electrical impulse duration - Internal anti-disturb varistor Operating voltage: 12Vac - 1000 mA - with internal hold open function - opening with electrical impulse - Relocking after door opening **Use:** electric strike for wood doors with deadlocked latch. It allows the complete action of the lock latch in order to activate the deadlocking. Special low current absorption with anti-disturb varistor. Ideal for use with access control systems (i.e.: hotel badge readers)
NEW 31012TD	**TEMPORISED ELECTRIC STRIKE** **Fail locked** Operating voltage :12 Vac - Current : 650 mA Dimension 75x21x28 mm Without hold open function (opening with electrical impulse) Relocking after door opening Opening time from 5 to 10 secs After electrical impulse, door re-locks even if not moved, after few seconds.
31812 31824	**FAIL UNLOCKED ELECTRIC STRIKE** **Fail unlocked** Horizontally adjustable latch block Opening limited to the duration of lack of power Operating voltage: 12 Vdc - Current: 350 mA Operating voltage: 24 Vdc - Current: 120 mA

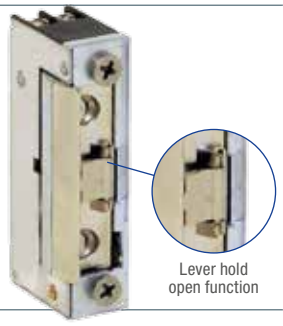


Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical – reversible.
Destruction resisting power: 500 Kg. Latch block horizontally adjustable. **Without striking plate (to be ordered separately – see page 96)**

Use: electric strike for aluminium or wood doors with latch or deadbolt locks.

Operation: in this radial electric strike the door latch bolt does not pivot out during opening but rather moves into the electric strike housing. This means that no cut needs to be made in the door post for the movement of the latch bolt during opening.

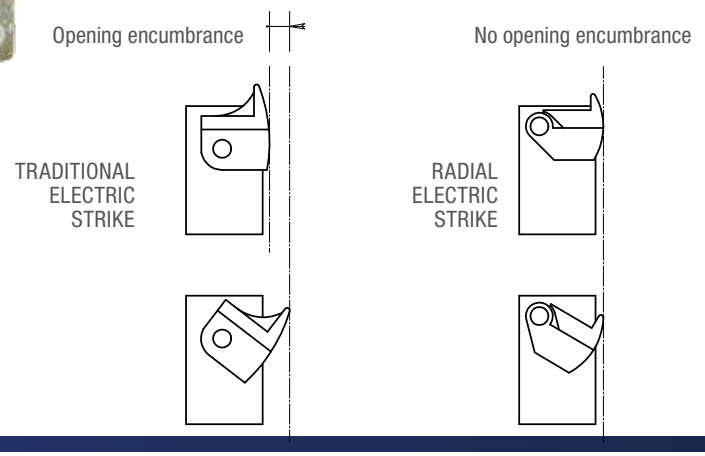
Art.	Description
	ELECTRIC STRIKE Operating voltage: 8 -12 Vac - 1.000 mA **Fail locked** Without hold open function (opening limited to electrical impulse duration)
32012	Without open release lever
32112	With open release lever

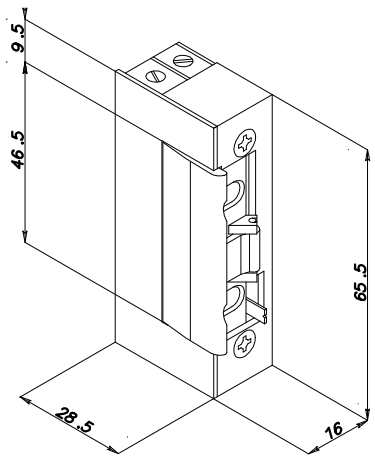


	ELECTRIC STRIKE Operating voltage: 8 -12 Vac - 1.000 mA **Fail locked** With hold open function (opening with electrical impulse) Relocking after door opening
32212	Without open release lever
32312	With open release lever

	ELECTRIC STRIKE **Fail Safe - open with no power**
32812	Operating voltage: 12Vdc - consumption 220 mA
32824	Operating voltage: 24Vdc - consumption 140 mA

	AUTOMATIC ELECTRIC STRIKE WITH HOUSED IN HOLD OPEN FUNCTION Operating voltage: 8 -12 Vac – 1.000 mA **Fail locked** With hold open function (opening with electrical impulse) Relocking after door opening
35412	Without open release lever
35512	With open release lever





Common mechanical characteristics: Body and latch block in anti-corrosive metal, symmetrical – reversible. Destruction resisting power: 500 Kg. Latch block horizontally adjustable. **Without striking plate (to be ordered separately – see page 94**)
Use: electric strike for aluminium or wood doors with latch or deadbolt locks.
Operation: in this radial electric strike the door latch bolt does not pivot out during opening but rather moves into the electric strike housing. This means that no cut needs to be made in the door post for the movement of the latch bolt during opening.
NEW: guaranteed opening despite 20 Kg side pressure.

NEW

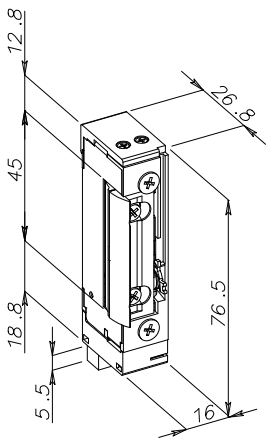
Art.	Description
	ELECTRIC STRIKE - PRELOAD Operating voltage: 12/24 Vdc Consumption: 300mA at 12Vdc / 600 mA at 24Vdc **Fail locked** Without hold open function (opening limited to electrical impulse duration)
32012PL	Without open release lever
32112PL	With open release lever

NEW

Art.	Description
	ELECTRIC STRIKE - PRELOAD Operating voltage: 12/12 Vdc Consumption: 300mA at 12Vdc / 600 mA at 24Vdc **Fail locked** Without hold open function (opening with electrical impulse) Relocking after door opening Monitored latch position micro-switch C./N.O./N.C.
32012PLM	Without open release lever
32112PLM	With open release lever

NEW

Art.	Description
	ELECTRIC STRIKE - PRELOAD Operating voltage: 12/24 Vdc Consumption: 300mA at 12Vdc / 600 mA at 24Vdc **Fail locked** With hold open function (opening limited to electrical impulse duration)
32212PL	Without open release lever
32312PL	With open release lever

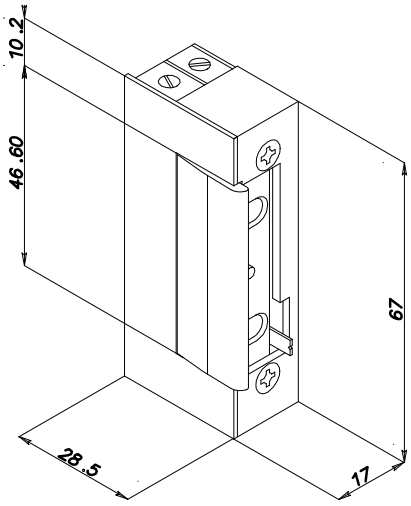


Common mechanical characteristics:
Body and latch block in anti-corrosive metal, symmetrical – reversible.
Destruction resisting power: 350 Kg. Horizontally adjustable latch block. **Without striking plate (to be ordered separately – see page 96)**
Use: electric strike for PVC or wood doors with latch or deadbolt locks

Art.	Description
	ELECTRIC STRIKE **Fail locked** Operating voltage: 8 -12 Vac - 1.000 mA Without hold open function (opening limited to electrical impulse duration)
33012	Without open release lever
33112	With open release lever

	ELECTRIC STRIKE **Fail locked** Operating voltage: 8 -12 Vac - 1.000 mA Without hold open function (opening limited to electrical impulse duration)
33212	Without open release lever
33312	With open release lever

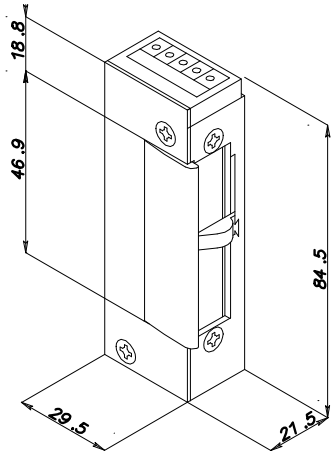
	AUTOMATIC ELECTRIC STRIKE **Fail locked** Operating voltage: 8 -12 Vac - 1.000 mA With internal hold open function (opening with electrical impulse) Relocking after door opening
33412	Without open release lever
33512	With open release lever

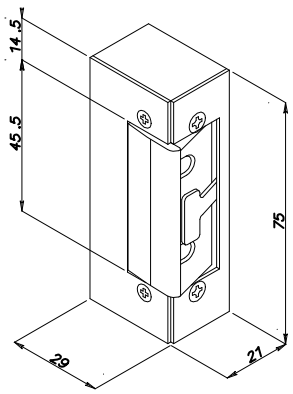


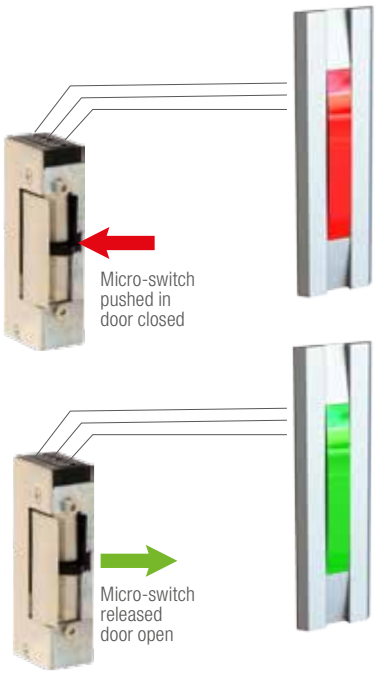
Common mechanical characteristics:
Body and latch block in anti-corrosive metal, **symmetrical** - reversible. Destruction resisting power: 1.000 Kg.
Without striking plate (to be ordered separately – see pages 94, 95 and 98)
Use: special electric strike for security doors for use with an access control system or interlocking doors

Art.	Description
	SECURITY ELECTRIC STRIKE Monitored latch position micro-switch C./N.O./N.C.
	Fail locked Opening limited to electrical impulse duration
34602	Operating voltage : 12 Vdc – 230 mA
34604	Operating voltage : 24Vdc – 170 mA
	Fail safe Opening limited to the duration of the lack of power
34802	Operating voltage : 12 Vdc – 300 mA
34804	Operating voltage : 24Vdc – 140 mA

Art.	Description
	SECURITY ELECTRIC STRIKE Monitored latch position micro-switch C./N.O./N.C.
	Fail locked Opening limited to electrical impulse duration
34622	Operating voltage : 12 Vdc – 260 mA
34624	Operating voltage : 24Vdc – 120 mA
	Fail safe Opening limited to the duration of the lack of power
34822	Operating voltage : 12 Vdc – 200 mA
34824	Operating voltage : 24Vdc – 120 mA







Common mechanical characteristics: Body in black painted metal. Latch block in metal, symmetrical - reversible. Destruction resisting power: 1,000 Kg. **Provided with n° 6 shims item 00360B**

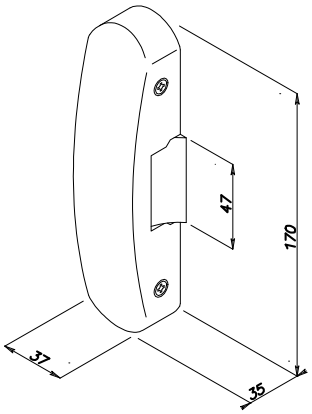
Art.	Description
	SECURITY ELECTRIC STRIKE FOR SURFACE FIXING
	Fail locked
	Opening limited to electrical impulse duration
36012B	Operating voltage: 8/12 Vac - 500 mA
36012BM	Operating voltage: 8/12 Vac / 500 mA - Monitored latch position micro-switch C./N.O./N.C.
	Opening with electric pulse and relocking after door opening:
36412B	Operating voltage: 8-12 Vac / 500 mA with internal hold open function
ART. +CR	Satin chrome finish

	SECURITY ELECTRIC STRIKE FOR SURFACE FIXING
	Fail locked
	Opening limited to electrical impulse duration
36612B	Operating voltage: 12 Vdc / 200 mA
36624B	Operating voltage: 24 Vdc / 100 mA
36612BM	Operating voltage: 12 Vdc / 200 mA with Monitored latch position micro-switch C./N.O./N.C
36624BM	Operating voltage: 24 Vdc / 100 mA with Monitored latch position micro-switch C./N.O./N.C
ART. +CR	Satin chrome finish

	IFAIL UNLOCKED ELECTRIC STRIKE FOR SURFACE FIXING
	Fail unlocked
36812B	Operating voltage: 12 Vdc / 200 mA
36824B	Operating voltage: 24 Vdc / 100 mA
36812BM	Operating voltage: 12 Vdc / 200 mA with Monitored latch position micro-switch C./N.O./N.C
36824BM	Operating voltage: 24 Vdc / 100 mA with Monitored latch position micro-switch C./N.O./N.C.
ART. +CR	Satin chrome finish

	SHIMS FOR ELECTRIC STRIKE FOR SURFACE FIXING
	2 mm. shims, to compensate for height of the electric strike with the panic bar latch
00360B	In Black ABS
00360BG	In Grey ABS (for version CR)

Satin chrome finish

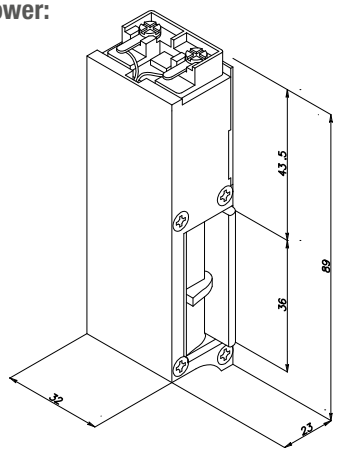


Common mechanical characteristics: Body and latch block in metal, asymmetrical (determine hand). Destruction resisting power: 700 Kg.
Without striking plate (to be ordered separately – See page 97)
Use: electric strikes for armoured doors
See page 91 to set hand of the product

Art.	Description
	SECURITY ELECTRIC STRIKE
	Fail locked
	Opening limited to electrical impulse duration
	Operating voltage: 12 Vac - 1000 mA
37012.1A	Right hand
37012.2A	Left hand
	Operating voltage: 12 Vac - 200 mA
37612.1A	Right hand
37612.2A	Left hand
	Operating voltage: 12 Vac - 150 mA
37624.1A	Right hand
37624.2A	Left hand

	AUTOMATIC SECURITY ELECTRIC STRIKE
	Fail locked
	Opening with electrical impulse.
	Relocking after door opening
	Operating voltage: 12 Vac - 1000 mA
37212.1A	Right hand - with lever for hold open function
37212.2A	Left hand - with lever for hold open function
37312.1A	Right hand - lever hold open function and mechanical unlocking
37312.2A	Left hand - lever hold open function and mechanical unlocking
37412.1A	Right hand - with internal hold open function
37412.2A	Left hand - with internal hold open function
37512.1A	Right hand - internal hold open function, mechanical unlocking
37512.2A	Left hand - internal hold open function, mechanical unlocking

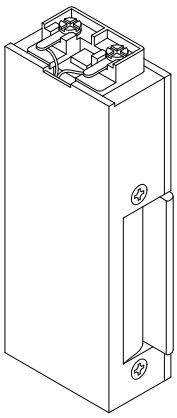
	FAIL UNLOCKED SECURITY ELECTRIC STRIKE
	Blocked with power
	Opening limited to the duration of lack of power
	Operating voltage 12 Vdc - 200 mA power:
37812.1A	Right hand
37812.2A	Left hand
	Operating voltage 24 Vdc - 150 mA power:
37824.1A	Right hand
37824.2A	Left hand



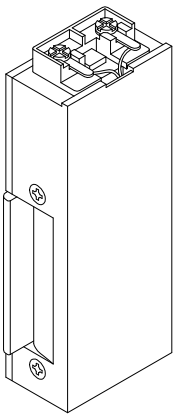
Common mechanical characteristics: Body and latch block in metal, asymmetrical (determine hand).
Destruction resisting power: 1,000 Kg. **Without striking plate (to be ordered separately – See page 94, 95 and 98)**
Use: electric strike for latch and deadbolt locks applied on gates exposed to precipitation

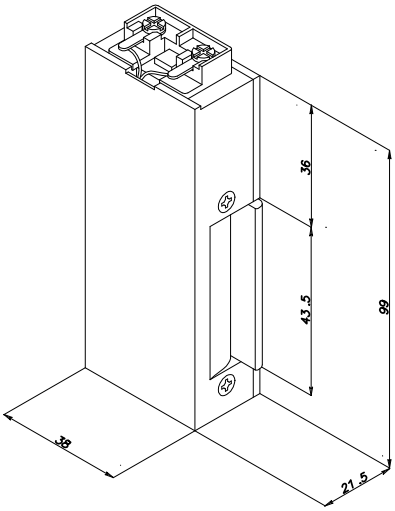
Art.	Description
	SECURITY ELECTRIC STRIKE **Fail locked** IP rating: IP56 (can operate outside)
	Without hold open function. Opening limited to electrical impulse duration
38012.1A	Right hand - 12 Vac - 500 mA Power
38012.2A	Left hand - 12 Vac - 500 mA Power
	Automatic with internal hold open function. Opening with electrical impulse. Relocking after door opening.
38412.1A	Right hand - 12 Vac - 500 mA Power
38412.2A	Left hand - 12 Vac - 500 mA Power
	On request:
38612.1/.2A	Security - 12 Vdc - 200 mA power:
38624.1/.2A	Security - 24 Vdc - 150 mA power:
38812.1/.2A	Anti-panic - 12 Vdc - 200 mA power:
38824.1/.2A	Anti-panic - 24 Vdc - 150 mA power

Right hand



Left hand

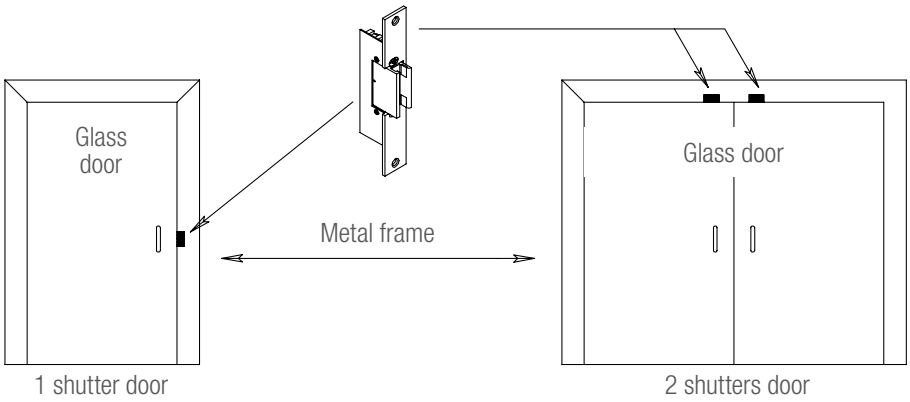


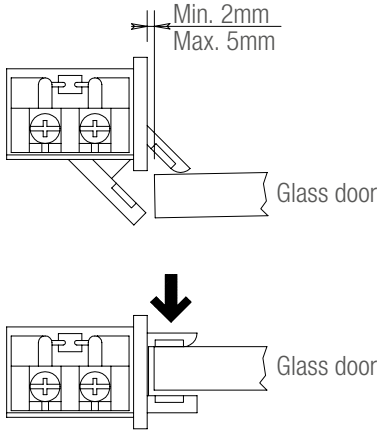


Common mechanical characteristics: Body and latch block in metal, asymmetrical. Supplied with striking plate in stainless steel
Use: electric strikes for glazed doors

Art.	Description
39012A	**SECURITY ELECTRIC STRIKE FOR GLASS DOORS** **Fail locked** Mortice electric strike for glazed doors – from 10 to 12 mm thick doors Opening limited to electrical impulse duration Operating voltage :12 Vdc Current absorption: 280 mA

Art.	Description
39812A	**SECURITY ELECTRIC STRIKE FOR GLASS DOORS** **Fail unlocked - Fail safe** Mortice electric strike for glazed doors – from 10 to 12 mm thick doors Operating voltage: 12 Vdc Current absorption: 280 mA





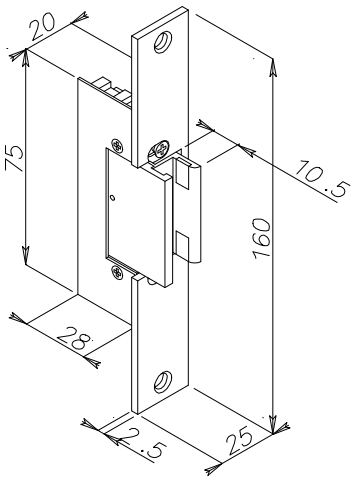
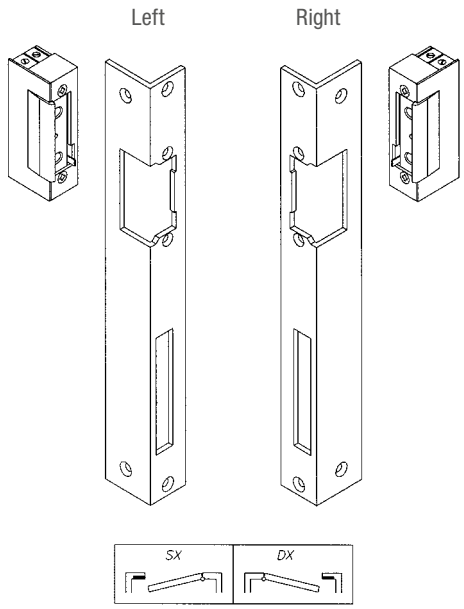
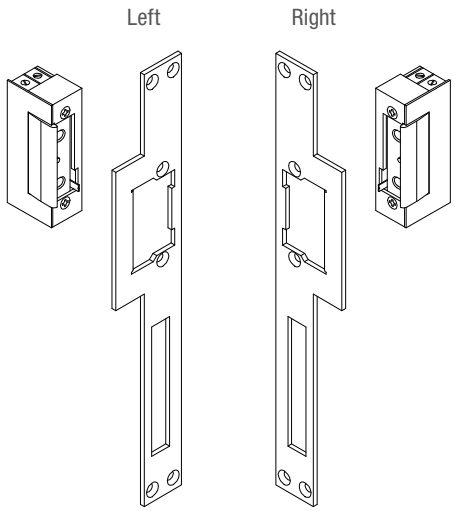


TABLE TO IDENTIFY THE HAND OF THE ELECTRIC STRIKE

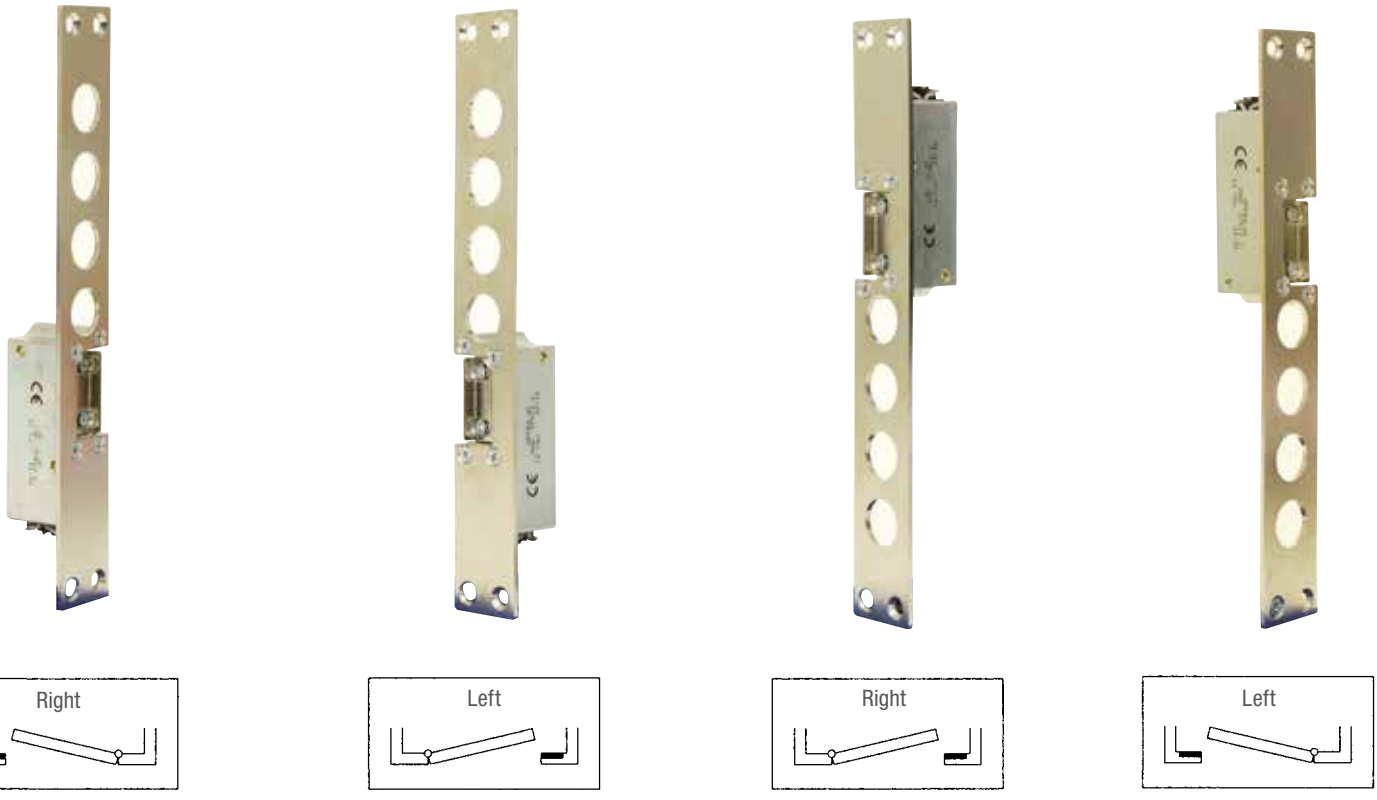
OMNIA range with angular front plate



OMNIA RADIAL serie



OMNIA BLINDO 700 series



Art.	Description

03010

SHORT STRIKING PLATE

Asymmetrical for latch locks only
In grey painted steel
Dimensions (mm): 160 x 25 x 3 – see drawing at page 100
Reversible hand

Use: for all electric strikes Omnia Micro series,
Omnia 1.000 series

03010S

SHORT STRIKING PLATE

Symmetrical for latch locks only
In grey painted steel
Dimensions (mm): 110 x 25 x 3 - see drawing at page 100
Reversible hand

Use: for all electric strikes Omnia Micro series,
Omnia 1,000 series

LONG STRIKING PLATE

For latch and deadbolt security locks.
In grey painted steel
Dimensions (mm): 250 x 25 x 3 - see drawing at page 100
Reversible hand

03030 In grey painted steel
03030GD In gold painted steel
03030CRO In glazed chromium plated steel

Use: for all electric strikes Omnia Micro series,
Omnia 1.000 series

LONG STRIKING PLATE

For latch and deadbolt security locks.
In gold painted steel
Dimensions (mm): 250 x 25 x 2,5 - see drawing at page 100
Right or left hand

03030.1GDR Right hand
03030.2GDR Left hand

Use: for all electric strikes Omnia Radial

Art.	Description
03031	**LONG STRIKING PLATE** For latch and deadbolt security locks. In stainless steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand **Use:** for all electric strikes Omnia Micro series, Omnia 1.000 series
03130	**LONG STRIKING PLATE** For latch and deadbolt security locks, hole (mm) 102 x 12 for insertion in the swinging deadbolt. In grey painted steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand **Use:** only for Omnia Micro series strikes
03131	**LONG STRIKING PLATE** For latch and deadbolt security locks, hole (mm) 102 x 12 for insertion in the swinging deadbolt. In stainless steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand **Use:** only for Omnia Micro series strikes
03132	**LONG STRIKING PLATE** For latch and deadbolt security locks, tapered hole (mm) 102 x 12 for insertion in the swinging deadbolt. In stainless steel Dimensions (mm): 250 x 25 x 3 - see drawing at page 100 Reversible hand **Use:** only for Omnia Micro series strikes
03162 03162BA	**SHORT ANGULAR STRIKING PLATE** Only for latch locks - Squared edges In gold painted steel Dimensions (mm): 172 x 32 x 25 - see drawing at page 100 Reversible hand Squared edges Rounds edges **Use:** for all electric strikes Omnia Micro series, Omnia 1.000 series

Art.	Description

03310

SHORT STRIKING PLATE FOR OMNIA 16 - RADIAL

Only for latch locks
In grey painted steel
Dimensions (mm): 130 x 22 x 3 - see drawing at page 100
Reversible hand

Use: for all electric strikes Omnia 16 - Radial series for mortice fixing, mounted on wooden or PVC door profiles

03310R

SHORT STRIKING PLATE FOR OMNIA RADIAL

Only for latch locks
In nickel plated steel
Dimensions (mm): 130 x 22 x 3 - see drawing at page 100
Reversible hand

Use: or all electric strikes Omnia Radial series for mortice fixing, mounted on wooden or PVC door profiles

03330

LONG STRIKING PLATE FOR OMNIA 16 - RADIAL

For latch and deadbolt security locks
In grey painted steel
Dimensions (mm): 250 x 22 x 3 - see drawing at page 100
Reversible hand

Use: for all electric strikes Omnia 16 - Radial series for mortice fixing, mounted on wooden or PVC door profiles

03331

LONG STRIKING PLATE FOR OMNIA 16 - RADIAL

For latch and deadbolt security locks
In stainless steel
Dimensions (mm): 250 x 22 x 3 - see drawing at page 100
Reversible hand

Use: for all electric strikes Omnia 16 - Radial series for mortice fixing, mounted on wooden door/window profiles

LONG ANGULAR STRIKING PLATE FOR OMNIA 16 - RADIAL

For latch and deadbolt security locks
In zinc plated steel with short side flank
Dimensions (mm): 208 x 36 x 18 - see drawing at page 101
Not reversible – Specify hand

03342.1 Right hand
03342.2 Left hand

Use: for all electric strikes Omnia 16 – Radial series for mortice fixing, mounted on wooden door profiles

Art.	Description
	LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks for armoured doors latch and 4 deadbolts backset (mm) 28 In polished nickel plated steel Dimensions (mm): 248 x 35 x 2.5 - see drawing at page 101 Not reversible – Specify hand - see page 93
03370.1	Right hand
03370.2	Left hand
03370R	Reversible
	Use: or all electric strikes Omnia Blindo 700 series

	LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks for armoured doors latch and 4 deadbolts backset (mm) 28 (41.6 mm between latch and deadbolt) In polished nickel plated steel Dimensions (mm): 322 x 35 x 2,5 - see drawing at page 101 Not reversible – Specify hand - see page 93
03371.1	Right hand
03371.2	Left hand
	Use: for all electric strikes Omnia Blindo 700 series

03372	**LONG STRIKING PLATE FOR OMNIA MICRO** For security locks for armoured doors latch and 2 deadbolts backset (mm) 55.6 In polished nickel plated steel Dimensions (mm): 293 x 32 x 2,5 - see drawing at page 101 Reversible hand
	Use: for all electric strikes Omnia Micro series

	LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks and 3 deadbolts backset (mm) 37 In polished nickel plated steel Dimensions (mm): 248 x 35 x 2.5 - see drawing at page 101 Not reversible – Specify hand - see page 93
03374.1	Right hand
03374.2	Left hand
03374R	Reversible
	Use: for all electric strikes Omnia Blindo 700 series

	LONG STRIKING PLATE FOR OMNIA BLINDO 700 For security locks and 4 deadbolts backsets (mm) 28 (33.5 mm between latch and deadbolt) In polished nickel plated steel Dimensions (mm): 322 x 35 x 2,5 - see drawing at page 101 Not reversible – Specify hand - see page 93
03375.1	Right hand
03375.2	Left hand
	Use: for all electric strikes Omnia Blindo 700 series

Art.	Description
03410	**SHORT STRIKING PLATE** Only for latch locks In hardened anodized aluminium. Dimensions (mm): 160 x 25 x 3 - see drawing at page 100 Reversible hand **Use:** for all electric strikes Omnia Micro and Omnia 1.000 series for mortice fixing
03411	**SHORT STRIKING PLATE** Only for latch locks In stainless steel Dimensions (mm): 160 x 25 x 3 - see drawing at page 100 Reversible hand **Use:** for all electric strikes Omnia Micro series, Omnia 1.000
03431	**LONG STRIKING PLATE** For latch and deadbolt locks In stainless steel Dimensions (mm): 280 x 25.5 x 3 - see drawing at page 100 Reversible hand **Use:** for replacement of security type electric strikes eff-eff series 141, 331 and 341 with Omnia 1,000 series for mortice fixing
03442.1 03442.2 03442.1BA 03442.2BA	**LONG ANGULAR STRIKING PLATE** For latch and deadbolt security locks In gold painted steel Dimensions (mm): 250 x 32 x 25 - see drawing at page 101 Not reversible – Specify hand Right hand - square edges Left hand - square edges Right hand - round edges Left hand - round edges **Use:** for all electric strikes Omnia Micro series, Omnia 1.000
03445.1 03445.2 03445.1GD 03445.2GD	**LONG ANGULAR STRIKING PLATE** For latch and deadbolt security locks Dimensions (mm): 265 x 30 x 26 - see drawing at page 101 Not reversible – Specify hand Right hand - in satin nickel plated steel Left hand - in satin nickel plated steel Right hand - in satin brass steel Left hand - in satin brass steel **Use:** for all electric strikes Omnia Micro series, Omnia 1.000
03446.1 03446.2 03446.1GD 03446.2GD	**LONG ANGULAR STRIKING PLATE** For latch and deadbolt security locks Dimensions (mm): 265 x 30 x 26 - see drawing at page 101 Not reversible – Specify hand Right hand - in satin nickel plated steel Left hand - in satin nickel plated steel Right hand - in gold plated steel Left hand - in gold plated steel **Use:** for electric strike 31012DCF and 31412F

Art.	Description

08710

LATCH LOCK

Body in grey painted steel
Dimensions (mm): 30 x 15 x 15
Striking plate in grey painted steel
Dimensions (mm): 55 x 20 x 3
Latch in nickel plated steel (mm) 12 x 10 mm extension
Reversible hand

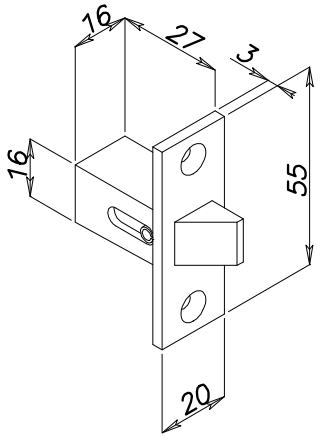
Use: for all electric strikes Omnia series for mortice fixing

08711A

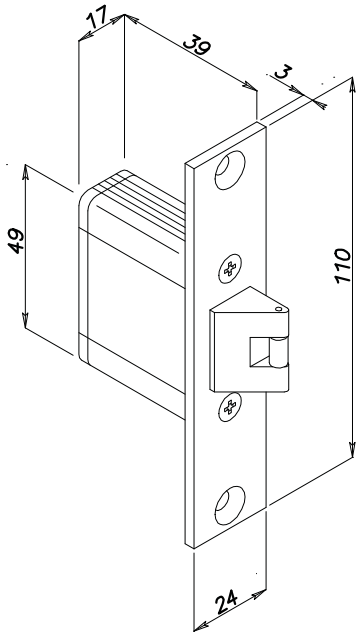
LATCH LOCK

Body in aluminium
Dimensions (mm): 110 x 24 x 3
Front plate in stainless steel -
Latch in nickel plated steel height (mm) 22
Reversible hand

Use: for all electric strikes Omnia series for mortice fixing



08710



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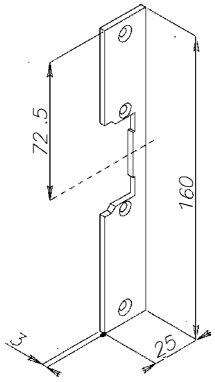
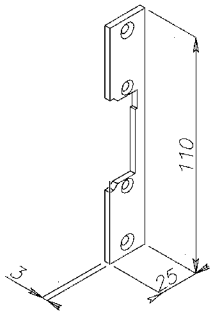
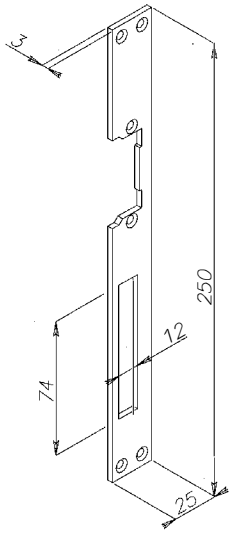


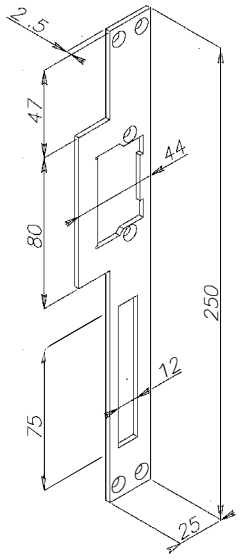
Art. 03010
Art. 03410
Art. 03411



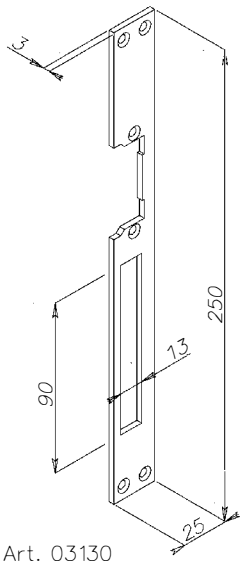
Art. 03010S



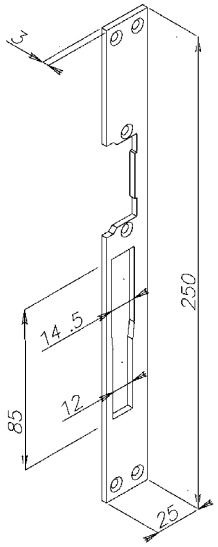
Art. 03030
Art. 03030 GD
Art. 03031



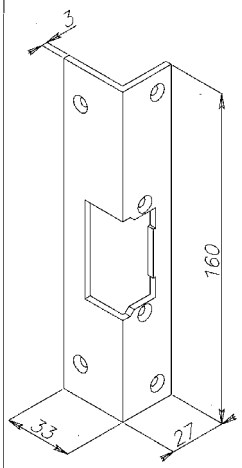
Art. 03030GDR



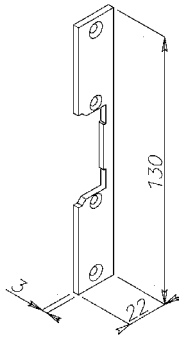
Art. 03130
Art. 03131



Art. 03132



Art. 03162



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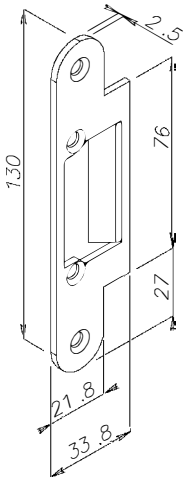
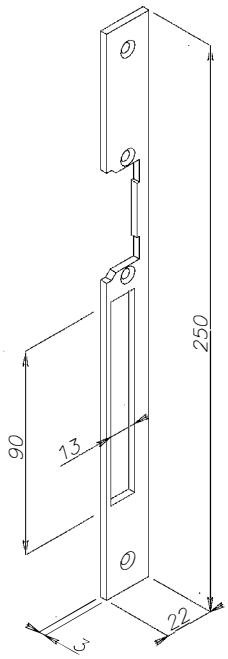


Art. 03310R



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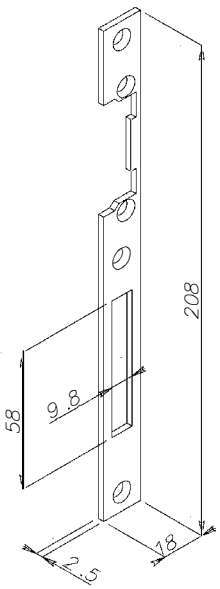
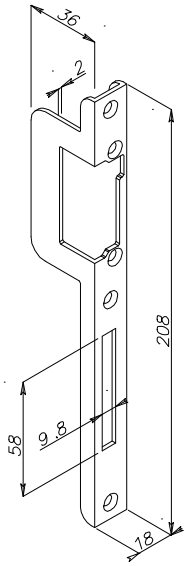
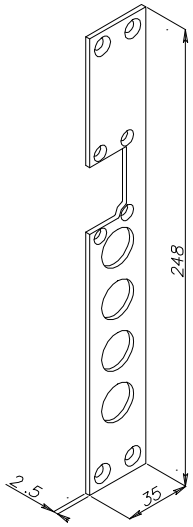


Art. 03331

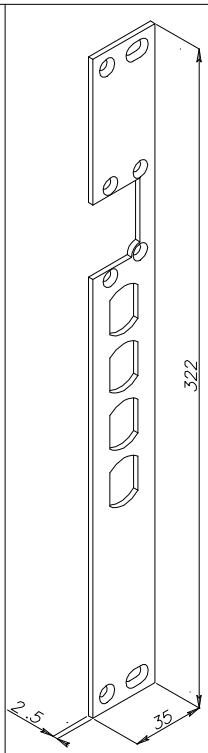
DIMENSIONS OF STRIKING PLATES FOR ELECTRIC STRIKES



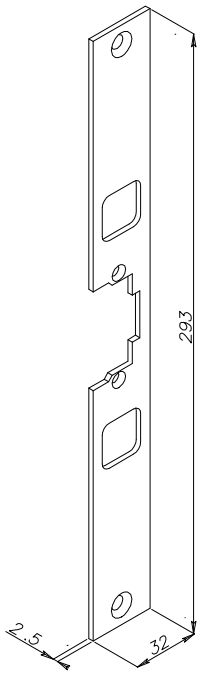
Art. 03342



Art. 03370



Art. 03371



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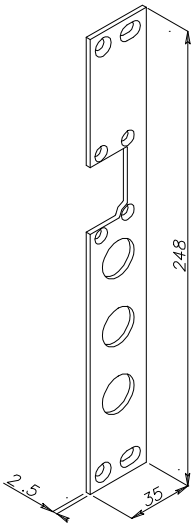
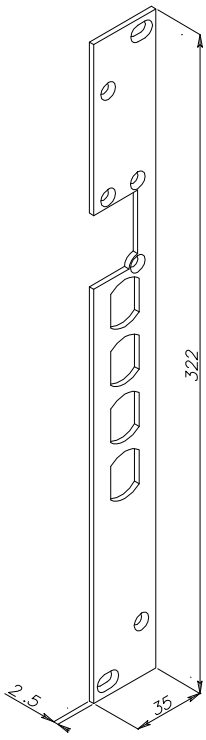
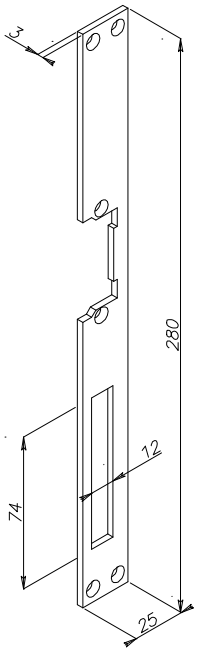


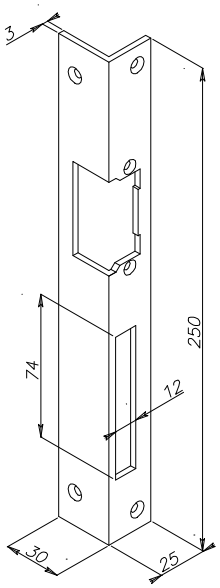
Art. 03374



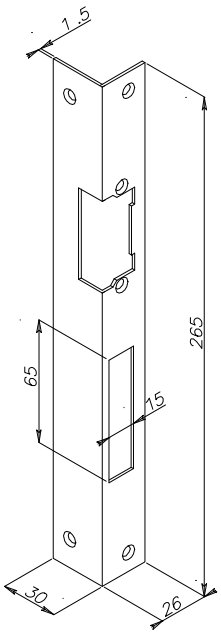
Art. 03375



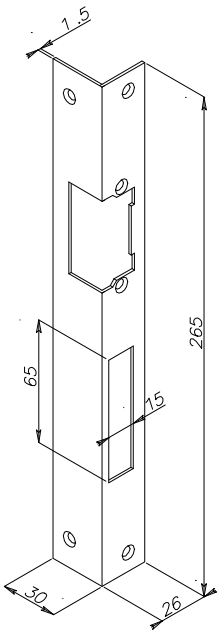
Art. 03431



Art. 03442



Art. 03445



Art. 03446

QUADRA

- HORIZONTAL SECURITY SOLENOID LOCKS
- APPLICATION ON DOORS AND ROLLING SHUTTERS
- MICRO VERSION FOR CABINETS AND WINDOWS APPLICATION
- MANUAL ACTIVATION WITH EUROPEAN CYLINDER
- EASY INSTALLATION

QUADRA

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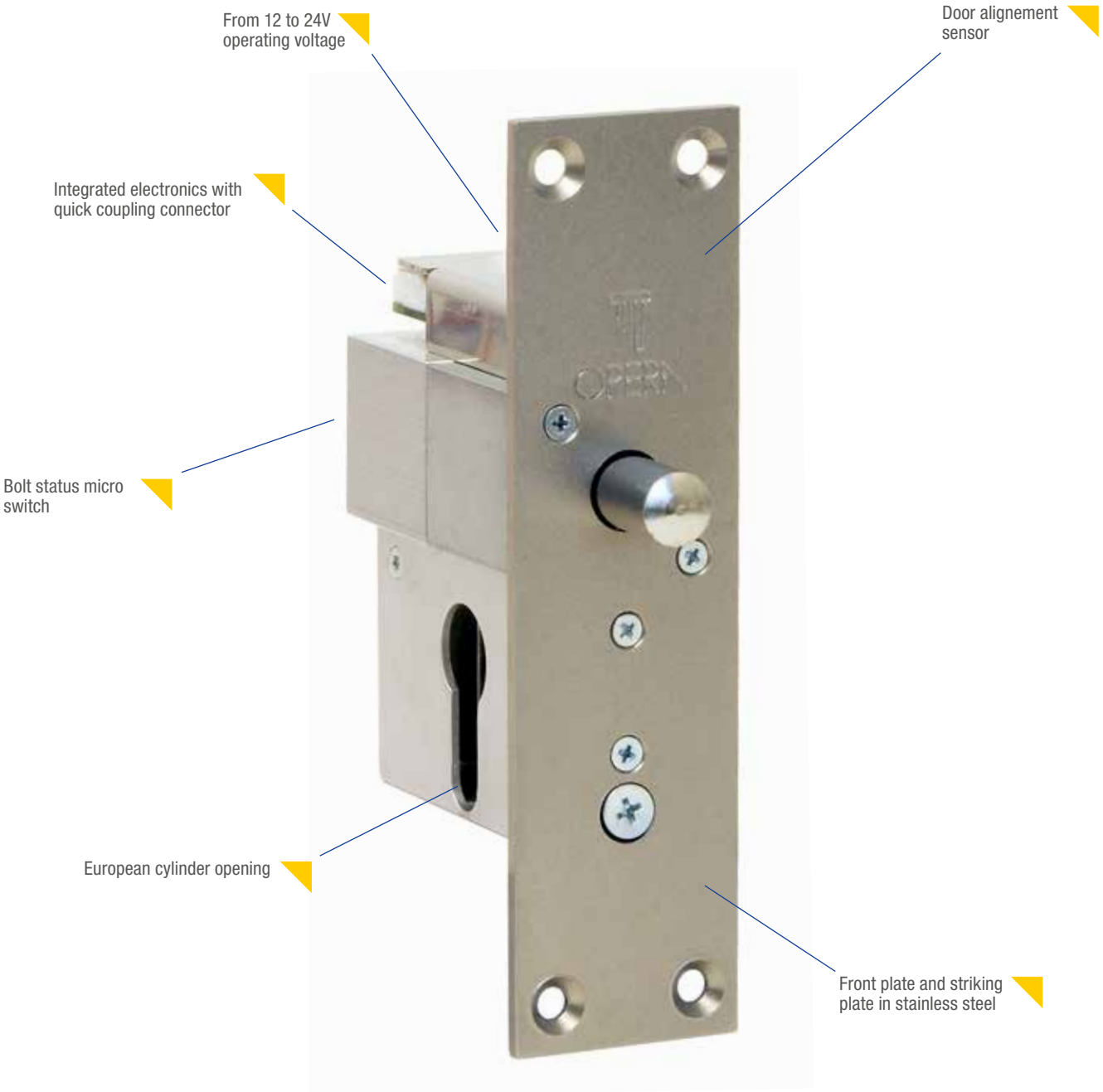


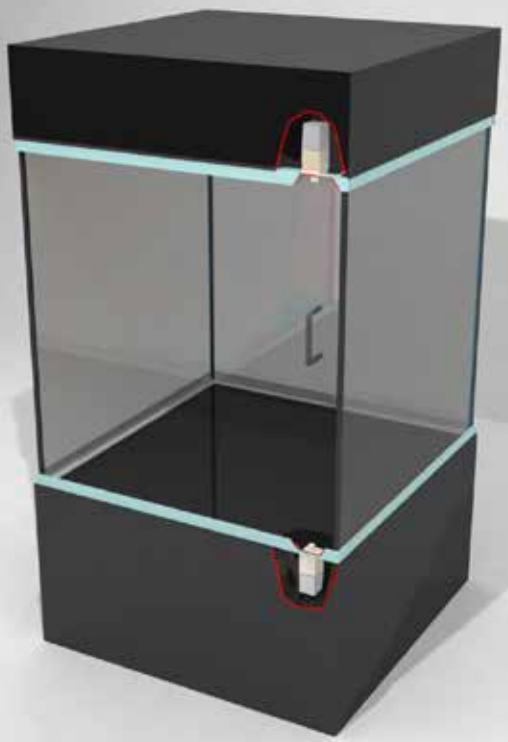
PLUS

- Reduced size Quadra Micro version for cabinets and doors closing
- Quadra version for doors and rolling shutters closing
- Easy operating system by direct current power supply
- Fail safe or fail secure versions
- Integrated electronics versions

DOOR WITH ELECTRONIC LOCK AND INTEGRATED ELECTRONICS

INTERNAL OPENING

EXTERNAL OPENING



CONTROLLED OPENING

PLUS EXAMPLE

- Mortice closing system for metal or aluminium door frames
- Rim versions as supplementary closing system
- Ideal as closing system for cabinets managed by access control units
- To be matched to access control systems

Art.	Description

MICRO SOLENOID LOCK - FAIL SAFE

Open without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3
with magnet adjustable in extension (only Art. 20610)
Deadbolt diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

20610-12 12V - with N.O magnetic sensor*
20611-12 12V - without magnetic sensor
20610-24 24V - with N.O. magnetic sensor*
20611-24 24V - without magnetic sensor

* For connection to central control unit 54610 or 54710

20612

MICRO SOLENOID LOCK WITH INTERNAL ELECTRONIC

Fail safe
Front plate and striking plate in stainless steel mm 80 x 25 x 4
Striking plate with adjustable magnet for door status position
Bolt dimensions: diameter 8mm, extension 8
Operating voltage: 12Vdc - 400 mA peak, 270 mA for maintenance
24Vdc - 300 mA peak, 150 mA for maintenance
Internal microprocessor control electronic
Rapid plug-in connector
Bolt position free voltage contact C. / N.O. / N.C.

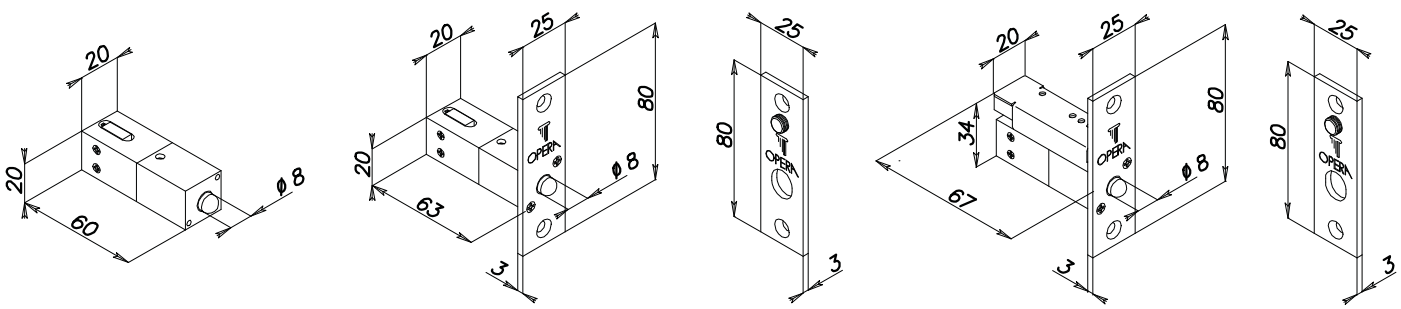
Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. if the door is not opened

Mode of operation: horizontal (vertical on request see page 117)

MICRO SOLENOID LOCK - FAIL SAFE

Open without power
Deadbolt diameter (mm) 8, extension 11 mm (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

20613-12 12Vdc
20613-24 24Vdc



Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description

MICRO SOLENOID LOCK - FAIL SECURE

Closed without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3
with magnet adjustable in extension (only Art. 20810)
Deadbolt diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

20810-12 12V - With N.O. magnetic door position sensor*
20811-12 12V - Without magnetic sensor
20810-24 24V - With N.O. magnetic door position sensor*
20811-24 24V - Without magnetic sensor

* For connection to central control unit 54610 or 54710

20812

MICRO SOLENOID LOCK WITH INTERNAL ELECTRONIC

Fail secure
Front plate and striking plate in stainless steel mm 80 x 25 x 3
Striking plate with adjustable magnet for door status position
Bolt dimensions: diameter 8 mm, extension 8
Operating voltage: 12Vdc - 400 mA peak, 270 mA for maintenance
24Vdc - 300 mA peak, 150 mA for maintenance
Internal microprocessor control electronic
Rapid plug-in connector
Bolt position free voltage contact C. / N.O. / N.C.

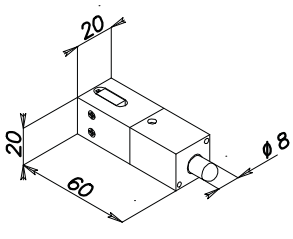
Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. if the door is not opened

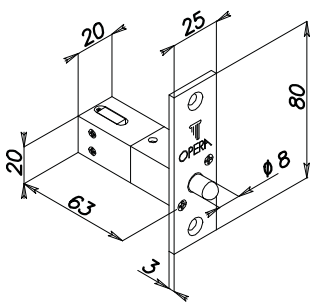
Mode of operation: horizontal (vertical on request see page 117)

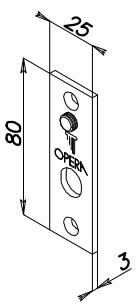
MICRO SOLENOID LOCK - FAIL SECURE

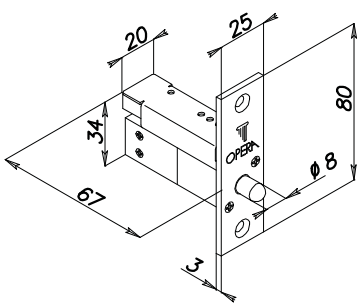
Closed without power
Deadbolt diameter (mm) 8, extension 11 (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

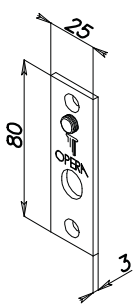
20813-12 12 V
20813-24 24 V











Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description

MICRO SOLENOID LOCK WITH LATCH

Closed without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3 with magnet adjustable in extension (only Art. 20910)
Latch diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

20910-12	12V - With N.O. magnetic door position sensor
20911-12	12V - Without magnetic sensor
20910-24	24V - With N.O. magnetic door position sensor
20911-24	24V - Without magnetic sensor

MICRO SOLENOID LOCK WITH LATCH

Closed without power
Latch diameter (mm) 8, extension 12 (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

20913-12	12 V
20913-24	24 V

MICRO SOLENOID LOCK WITCH LATCH - FAIL SAFE

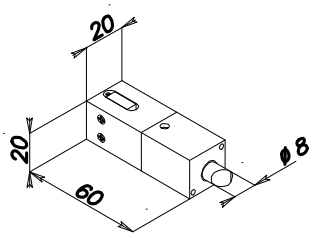
Open without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3
with magnet adjustable in extension (only Art. 20910A)
Latch diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

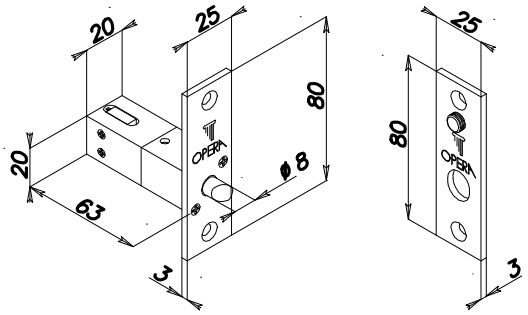
20910A-12	12V - With N.O. magnetic door position sensor
20911A-12	12V - Without magnetic sensor
20910A-24	24V - With N.O. magnetic door position sensor
20911A-24	24V - With magnetic sensor

MICRO SOLENOID LOCK WITH LATCH - FAIL SAFE

Open without power
Latch diameter (mm) 8, extension 12 (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

20913A-12	12 V
20913A-24	24 V





Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description

MICRO SOLENOID LOCK - FAIL SAFE

Open without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3
with magnet adjustable in extension (only Art. 20610XS)
Deadbolt diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)

20610XS-12	12V - With N.O. magnetic door position sensor
20611XS-12	12V - Without magnetic sensor
20610XS-24	24V - With N.O. magnetic door position sensor
20611XS-24	24V - Without magnetic sensor

MICRO SOLENOID LOCK - FAIL SAFE

Open without power
Deadbolt diameter (mm) 8, extension 11 (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)

20613XS-12	12 V
20613XS-24	24 V
Art. + AM	**On request:** mechanical release with knob (see page 113)

MICRO SOLENOID LOCK - FAIL SECURE

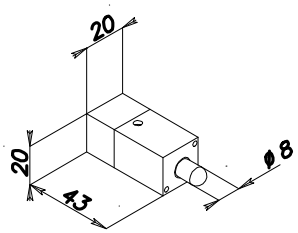
Closed without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3
with magnet adjustable in extension (only Art. 20810XS)
Deadbolt diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)

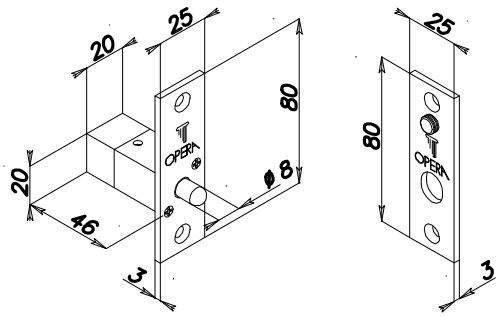
20810XS-12	12V - With N.O. magnetic door position sensor
20811XS-12	12V - Without magnetic sensor
20810XS-24	24V - With N.O. magnetic door position sensor
20811XS-24	24V - Without magnetic sensor

MICRO SOLENOID LOCK - FAIL SECURE

Closed without power
Deadbolt diameter (mm) 8, extension 11 (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)

20813XS-12	12 V
20813XS-24	24 V
Art. + AM	**On request:** mechanical release with knob (see page 113)





Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description

MICRO SOLENOID LOCK WITH LATCH - FAIL SECURE

Closed without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3
with magnet adjustable in extension (only Art. 20910XS)
Latch diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation:horizontal (vertical on request see page 117)

20910XS-12	12V - With N.O. magnetic door position sensor
20911XS-12	12V - Without magnetic sensor
20910XS-24	24V - With N.O. magnetic door position sensor
20911XS-24	24V - Without magnetic sensor

MICRO SOLENOID LOCK WITH LATCH - FAIL SECURE

Closed without power
Latch diameter (mm) 8, extension 11 (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation:horizontal (vertical on request see page 117)

20913XS-12	12 V
20913XS-24	24 V
Art. + AM	**On request:** mechanical release with knob (see page 113)

MICRO SOLENOID LOCK WITH LATCH - FAIL SAFE

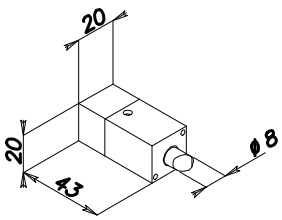
Open without power
Striking plate in stainless steel (mm) 80 x 25 x 3
Armature plate in stainless steel (mm) 80 x 25 x 3
with magnet adjustable in extension (only Art. 20910XSA)
Latch diameter (mm) 8, extension 8
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation:horizontal (vertical on request see page 117)

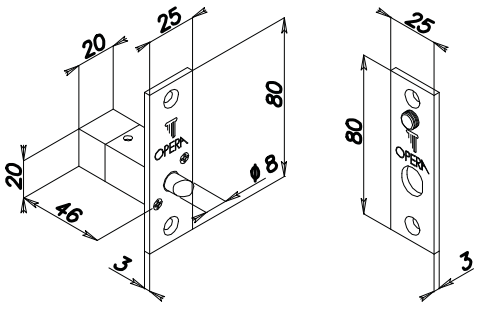
20910XSA-12	12V - With N.O. magnetic door position sensor
20911XSA-12	12V - Without magnetic sensor
20910XSA-24	24V - With N.O. magnetic door position sensor
20911XSA-24	24V - Without magnetic sensor

MICRO SOLENOID LOCK WITH LATCH - FAIL SAFE

Open without power
Latch diameter (mm) 8, extension 11 mm (8 mm. stroke)
Operating voltage: 12 Vdc/400mA or 24Vdc/200mA - ED 100%
Mode of operation:horizontal (vertical on request see page 117)

20913XSA-12	12 V
20913XSA-24	24 V
Art. + AM	**On request:** mechanical release with knob (see page 113)





Art.	Description

SECURITY SOLENOID LOCK - FAIL SAFE

Open without power
Striking plate in stainless steel mm 100 x 40 x 3
Armature plate in stainless steel mm 100 x 40 x 3
with magnet adjustable in extension (only Art. 21610)
Deadbolt diameter (mm) 12, extension 18
Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

21610 With N.O. magnetic door position sensor *
21611 Without magnetic sensor

* For connection to central control unit 54610 or 54710

21612

SOLENOID LOCK WITH INTERNAL ELECTRONIC - FAIL SAFE

Open without power
Front plate and striking plate in stainless steel mm 100 x 40 x 3
Striking plate mm 100 x 40 x 3 with adjustable magnet for door status position
Bolt dimensions: diameter 12 mm, extension 18
Operating voltage:
12Vdc - 800 mA peak, 550 mA for maintenance
24Vdc - 500 mA peak, 350 mA for maintenance
Internal microprocessor control electronic
Rapid plug-in connector
Bolt position free voltage contact C. / N.O. / N.C.

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. To approach of door and from 0-60 sec. If the door is not opened

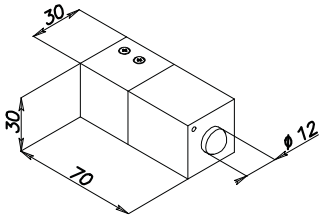
Mode of operation: horizontal (vertical on request see page 117)

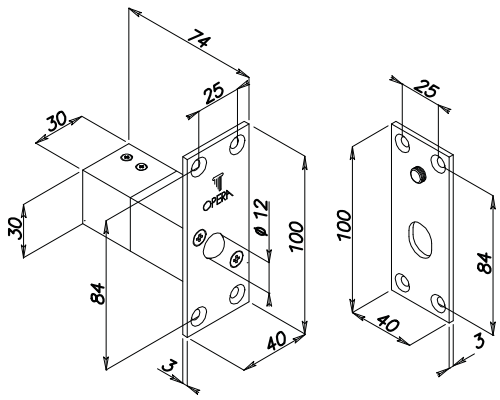
21613

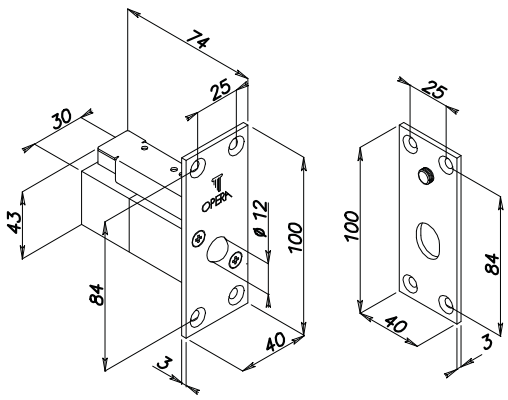
SECURITY SOLENOID LOCK - FAIL SAFE

Open without power
Deadbolt diameter (mm) 12, extension 21 (18 mm. stroke)
Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

Art. + AM **On request:** mechanical release with knob (see page 113)







Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description

SECURITY SOLENOID LOCK - FAIL SECURE

Closed without power
Striking plate in stainless steel mm 100 x 40 x 3
Armature plate in stainless steel mm 100 x 40 x 3
with magnet adjustable in extension (only Art. 21810)
Deadbolt diameter (mm) 12, extension 18
Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

21810 With N.O. magnetic door position sensor *
21811 Without magnetic sensor

* For connection to central control unit 54610 or 54710

21812

SECURITY SOLENOID LOCK WITH INTERNAL ELECTRONIC - FAIL SECURE

Front plate and striking plate in stainless steel mm 100 x 40 x 3
Striking plate mm 100 x 40 x 3 with adjustable magnet for door status position
Bolt dimensions: diameter 12 mm, extension 18 mm
Operating voltage:
12Vdc - 800 mA peak, 450 mA for maintenance
24Vdc - 500 mA peak, 250 mA for maintenance
Internal microprocessor control electronic
Rapid plug-in connector
Bolt position free voltage contact C. / N.O. / N.C.

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. To approach of door and from 0-60 sec. If the door is not opened.

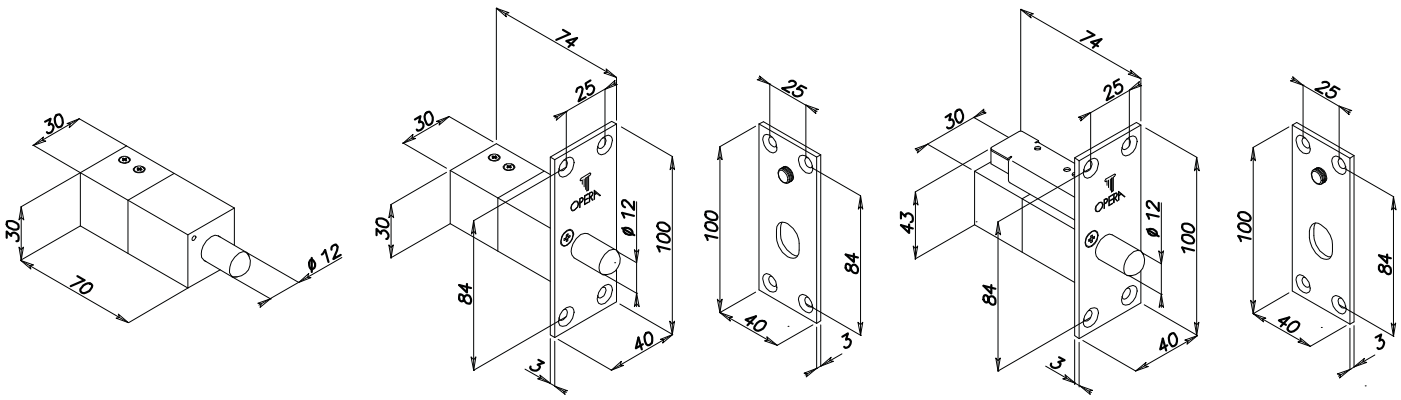
Mode of operation: horizontal (vertical on request see page 117)

21813

SECURITY SOLENOID LOCK - FAIL SECURE

Closed without power
Deadbolt diameter (mm) 12, extension 21 (18 mm. stroke)
Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

Art. + AM **On request:** mechanical release with knob (see page 113)



Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description
	SECURITY SOLENOID LOCK WITH LATCH - FAIL SECURE Closed without power Striking plate in stainless steel (mm) 100 x 40 x 3 Armature plate in stainless steel (mm) 100 x 40 x 3 with magnet adjustable in extension (only Art. 21910) Lock body dimensions (mm): 70 x 30 x 30 See drawing at page 112 Latch diameter (mm) 12, extension 14 mm. Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100% Mode of operation: horizontal (vertical on request see page 117) Monitored latch position micro-switch C./N.O./N.C
21910	With N.O. magnetic door position sensor
21911	Without magnetic sensor

21913	**SECURITY SOLENOID LOCK WITH LATCH - FAIL SECURE** Closed without power Lock body dimensions (mm) 70 x 30 x 30: See drawing at page 112 Latch diameter (mm) 12, extension 17 mm (14 mm. stroke) Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100% Mode of operation: horizontal (vertical on request see page 117) Monitored latch position micro-switch C./N.O./N.C
Art. + AM	**On request:** mechanical release with knob (see below)

MECHANICAL RELEASE WITH KNOB

1

2

3

4

Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description

SECURITY SOLENOID LOCK – FAIL SAFE

Open without power
Operating voltage: 12 Vdc/900mA or 24Vdc/450mA - ED 100%
Deadbolt diameter (mm) 12, extension 18 mm.
Ready for European profile cylinder for key opening
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

21614 With N.O. magnetic door position sensor *
21615 Without magnetic sensor
Art. + S With cylinder with needle key

* For connection to central control unit 54610 or 54710

21616

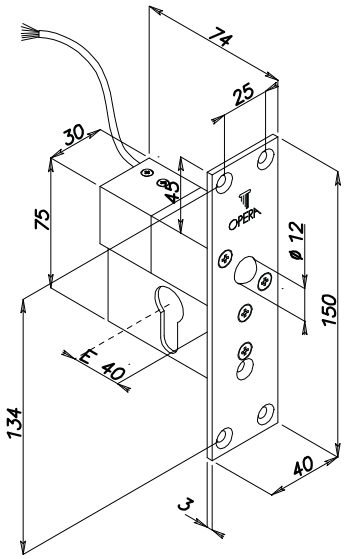
SOLENOID LOCK WITH INTERNAL ELECTRONIC - FAIL SAFE

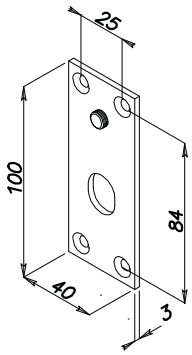
Front plate and striking plate in stainless steel
Striking plate with adjustable magnet for door status position
Bolt dimensions: diameter 12 mm, extension 18
Operating voltage:
12Vdc - 800 mA peak, 550 mA for maintenance
24Vdc - 500 mA peak, 350 mA for maintenance
Internal microprocessor control electronic
Rapid plug-in connector
Bolt position free voltage contact C. / N.O. / N.C.
Ready for European profile cylinder for key opening

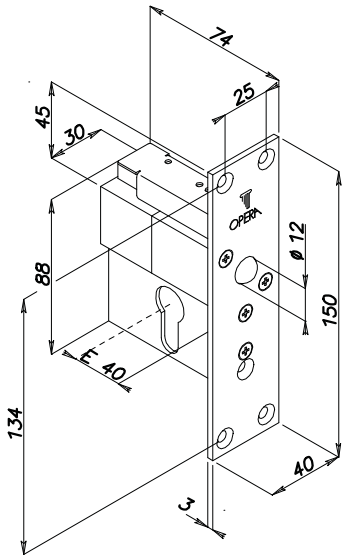
Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. If the door is not opened

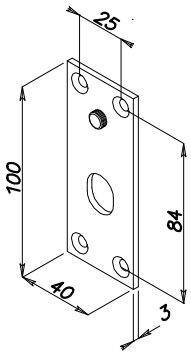
Mode of operation: horizontal (vertical on request see page 117)

Art. + S With cylinder with needle key









Note: The **Quadra Micro** series solenoid lock, due to the high operating temperatures, are not suitable for mounting on wood or PVC doors

Art.	Description

SECURITY SOLENOID LOCK – FAIL SECURE

Closed without power

Operating voltage: 12 Vdc/900mA or 24Vdc/450mA – ED 100%
Deadbolt diameter (mm) 12, extension 18 mm.
Ready for European profile cylinder for key opening
Mode of operation: horizontal (vertical on request see page 117)
Deadbolt position micro-switch C./N.O./N.C

21814 With N.O. magnetic door position sensor *
21815 Without magnetic sensor
Art. + S With cylinder with needle key

* For connection to central control unit 54610 or 54710

21816

SECURITY SOLENOID LOCK WITH INTERNAL ELECTRONIC– FAIL SECURE

Striking plate with adjustable magnet for door status position
Bolt dimensions: diameter 12 mm, extension 18 mm
Operating voltage: 12Vdc – 800 mA peak, 450 mA for maintenance
24Vdc – 500 mA peak, 250 mA for maintenance
Internal microprocessor control electronic
Rapid plug-in connector
Bolt position free voltage contact C. / N.O. / N.C.
Ready for European profile cylinder for key opening

Push buttons for monitoring and adjustment of reclosing times from 0-5 sec. to approach of door and from 0-60 sec. If the door is not opened

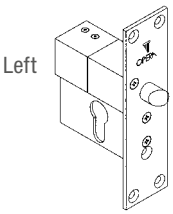
Mode of operation: horizontal (vertical on request) – see page 117

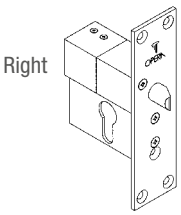
Art. + S With cylinder with needle key

SECURITY SOLENOID LOCK WITH LATCH – FAIL SECURE

Closed without power
Latch diameter (mm) 12, extension 14 mm.
Power suffly: 12 Vdc/900mA o 24Vdc/450mA – ED 100%
Ready for European profile cylinder for key opening
Mode of operation: horizontal (vertical on request see page 117)
Monitored latch position micro-switch C./N.O./N.C

21914 With N.O. magnetic door position sensor
21915 Without magnetic sensor
Art. + S With cylinder with needle key





Note: indicate the lock hand (right or left hand)

Art.	Description

BRACKET FOR SIDE MOUNTING OF THE HORIZONTAL SOLENOID LOCK

Pair of brackets for solenoid lock and Armature plate in black painted steel
Dimensions of bracket for solenoid lock and Armature plate:
Quadra Micro series (mm) 32 x 24 x 22
Quadra series (mm) 32 x 32 x 30

02060 Quadra Micro series
02160 Quadra series

Use: carter for surface mounting of the horizontal security solenoid lock Quadra and Quadra Micro series

CARTER FOR HORIZONTAL SOLENOID LOCK

Solenoid lock and Armature plate carter body in black painted steel
Carter for solenoid lock dimensions:
Quadra Micro series (mm) 74 x 26 x 26
Quadra series (mm) 93 x 35 x 35
Armature plate dimensions:
Quadra Micro series (mm) 25 x 25 x 26
Quadra series (mm) 30 x 30 x 32

02065 Quadra Micro series (already inclusive of Art. 02060)
02165 Quadra series (already inclusive of Art. 02160)

Use: carter for surface mounting of the horizontal security solenoid lock Quadra and Quadra Micro series

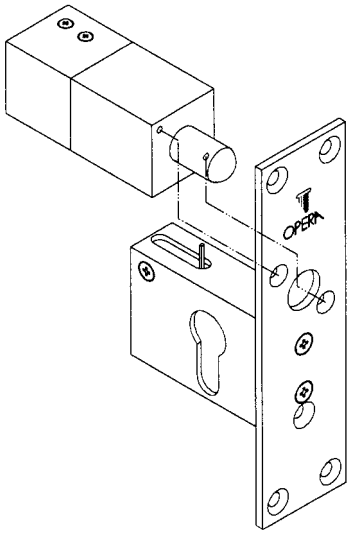
Packaging: solenoid lock carter, Armature plate carter, side mounting bracket and screws

STRIKING PLATE WITH KEY OPENING MECHANISM

Striking plate in stainless steel
Striking plate dimensions (mm): 150 x 40 x 3
Body in anodized aluminium
Dimensions of the body (mm): 70 x 45 x 20
Cylinder backset (mm): 40

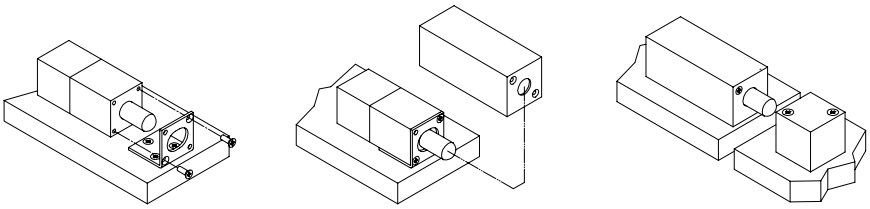
02114 For standard European profile cylinder
02114S With needle cylinder

Use: accessory for use with horizontal security solenoid lock series 216, 218, 219.

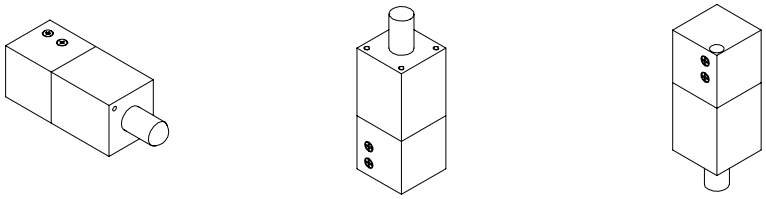


Assembling of key opening mechanism

BRACKETS AND COVER APPLICATION EXAMPLES

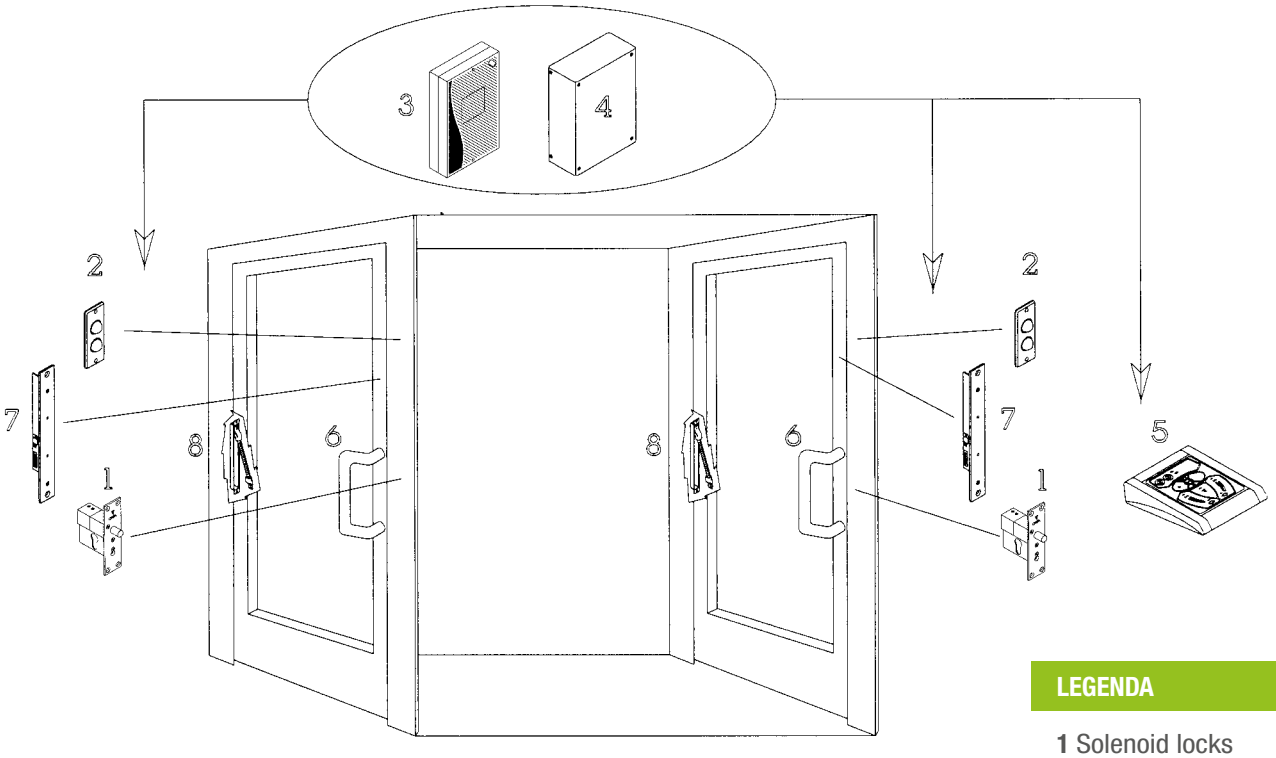


APPLICATION EXAMPLE WITH FUNCTIONING DIRECTION



Standard | Vertical upwards | Vertical downwards

INTERLOCKED SYSTEM WITH QUADRA LOCKS



LEGENDA

1 Solenoid locks
2 Indicator lamps
3 Control unit
4 Power supply
5 Desktop console
6 Sensitive bars
7 Sensitive cards
8 Lead covers

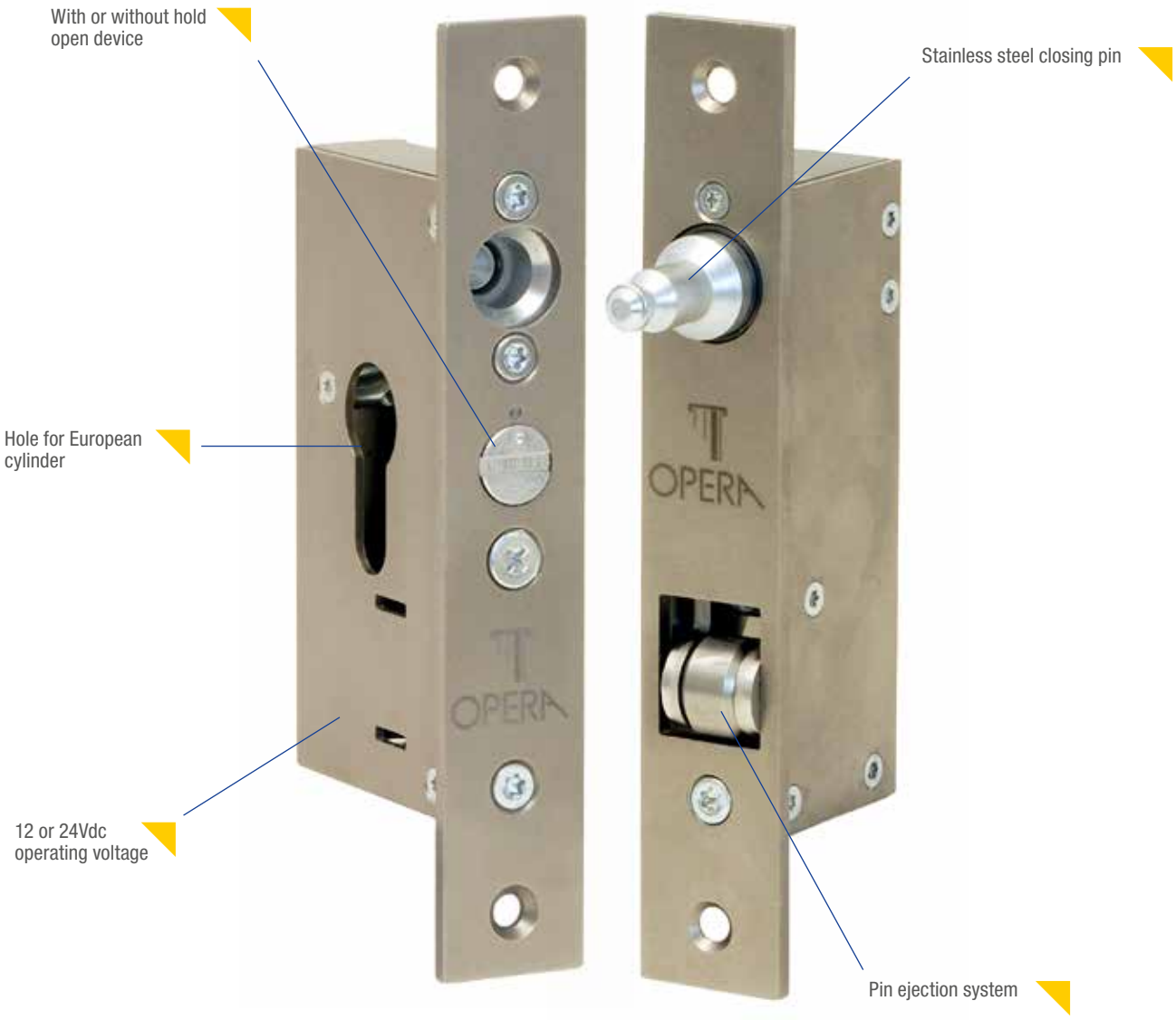
ARCA

- SECURITY SOLENOID LOCKS
- KEY VERSION FOR SAFE-DEPOSIT BOXES AND STRONG-BOXES
- SLIDE VERSION FOR AUTOMATIC SLIDING DOORS
- ENTIRELY IN STAINLESS STEEL FOR EXPOSURE TO WEATHER CONDITIONS
- MANUAL ACTIVATION WITH EUROPEAN CYLINDER

OPERA

ARCA

www.opera-italy.com



PLUS

- Innovative electric lock for sliding doors
- High resistance to breaking and entering, over 800 kg
- Locked without power supply
- Mechanical opening by European cylinder
- Internal micro switch for door status signalling
- Striking plate with retractable pin when the door is open

EXTERNAL OPENING

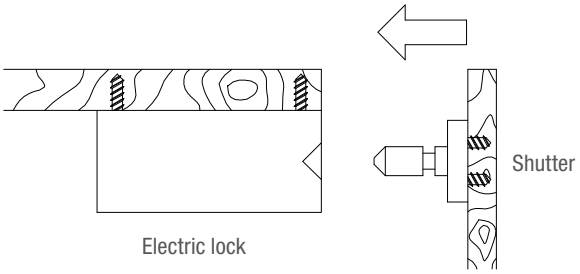
INTERNAL OPENING

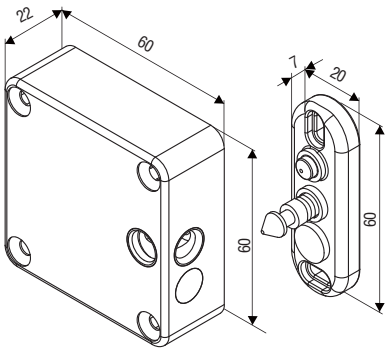
PLUS EXAMPLE

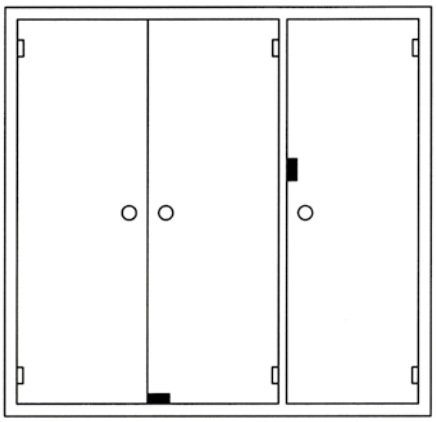
1 For 1 or 2 shutters sliding doors
2 No need of management electronics
3 Mechanical closure at shutters approach
4 For motorized sliding doors or sliding gates
5 To be matched with intercom and access control system

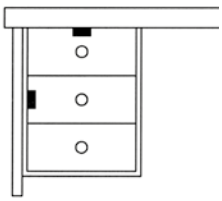
NEW

Art.	Description
22800M	**FAIL SECURE CABINET LOCK - MOTORISED** Housing in black ABS **Fail locked - motor operated.** It includes lock and door status monitoring outputs Operating voltage : 12-28 Vac/dc – Absorbed current : 165mA Holding force: 100Kg Can be fitted to drawers, filing cabinets, drug cabinets, gym lockers Compatible with existing keypads or readers Can be integrated with access control system Operating temperature range: -10°C +45°C Adjustable re-locking time from 2 to 5 sec





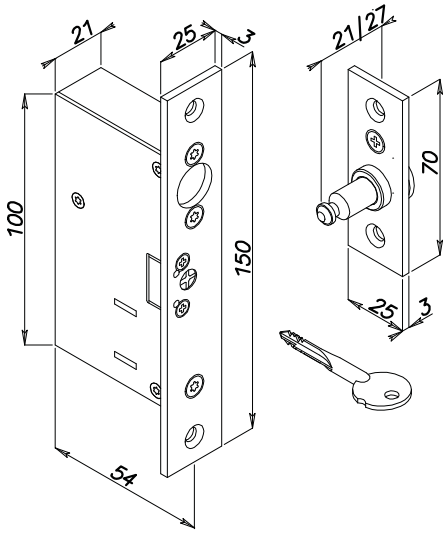




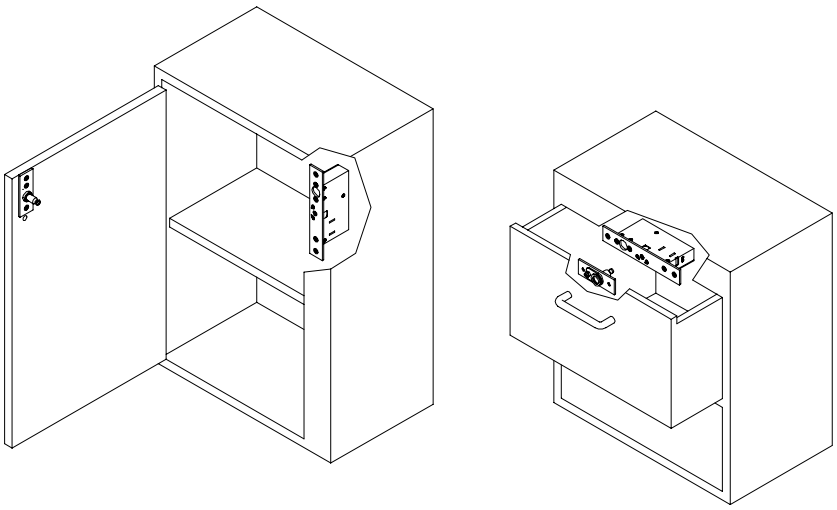
Common characteristics: Stainless steel body. Nickeled tempered steel block pin on stainless steel counterplate. Strength of resistance to breaking and entering: 800 kg. Insertion of the front panel block pin.
Use: safety closure, can be electrically controlled for the closuring of cabinet doors and safety lockers.

Art.	Description
	SECURITY ELECTRIC LOCK Locked without power supply Stainless steel front plate Stainless steel counterplate, extension can be adjusted from 21 to 27 mm Pin diameter 9.5 mm. extension 25 mm Power supply: 12 or 24 Vdc Current absorbed: 1,000 mA at 12 V/500 mA at 24 V Opening: limited to the duration of the impulse with current limiter C. / N.A. / N.C. microswitch of inserted pin position
22912	Power supply: 12 Vdc
22924	Power supply: 24 Vdc
22912CS	Power supply: 12 Vdc – with pin cylinder for opening with key
22924CS	Power supply: 24 Vdc – with pin cylinder for opening with key

Cruciform key opening



APPLICATIONS EXAMPLES



Common characteristics: Stainless steel body. Nickeled tempered steel block pin on stainless steel counterplate. Strength of resistance to breaking and entering: 800 kg. Insertion of the front panel block pin.

Use: safety closure, electrically controllable for the closuring of sliding doors, including external ones exposed to weather.

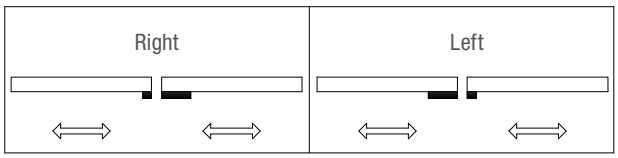
CF

Art.	Description
	SECURITY ELECTRIC LOCK FOR SLIDING DOORS Mechanical opening with European cylinder. Locked without power supply Stainless steel front plate. Stainless steel counterplate Counterlock with pin release system when the door is ajar Pin diameter 9.5 mm, extension 25 mm Power supply: 12 or 24 Vdc Current absorbed: 1,000 mA at 12 V / 500 mA at 24 V Opening: limited to the duration of the impulse with current limiter Entrance: 28 mm C. / N.A. / N.C. microswitch of inserted pin position
23822	Power supply: 12Vdc
23824	Power supply: 24Vdc
23822FG	Power supply: 12Vdc – with hold open function
23824FG	Power supply: 24Vdc – with hold open function
	MECHANICAL VERSION
23800	With Euro-profile cylinder facilities
23800FG	With Euro-profile cylinder facilities and hold open function
Art. + CF	Fix counterplate – spare part (ex. 23822CF)
Art. + CS	Counter lock – spare part (ex. 23822CS)
02238CF	Fix counterplate – spare part
02238	Counter lock – spare part

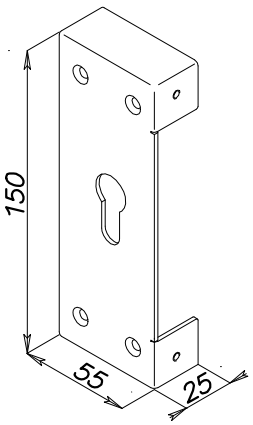
02308

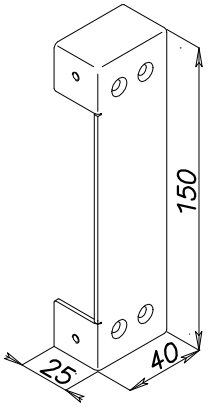
02308CF

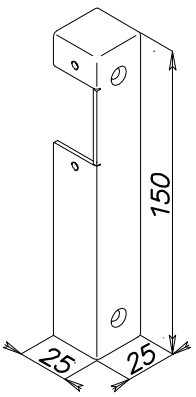
CARTER FOR SURFACE FITTING - ARCA KEY AND ARCA SLIDE Lock and armature plate carter body in Stainless Steel Euro-profile cylinder facilities Backset: 28mm	
02308.1	with standard counterplate – Right hand
02308.2	with standard counterplate – Left hand
02308.1CF	with fix counterplate – Right hand
02308.2CF	with fix counterplate – Left hand



Carter handing



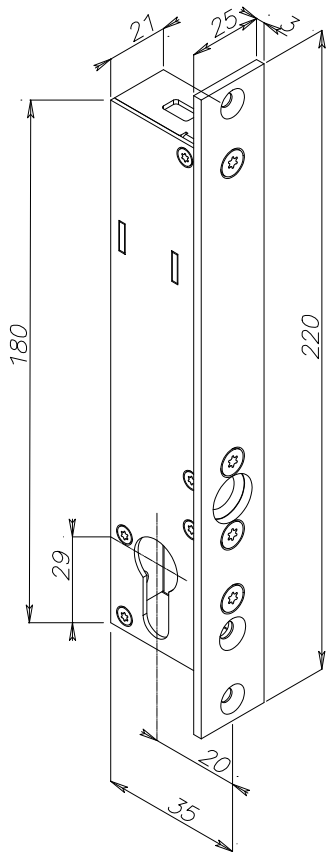


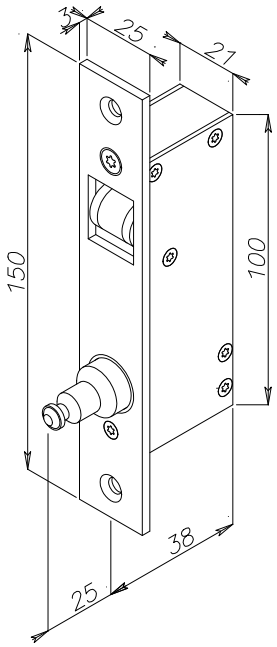


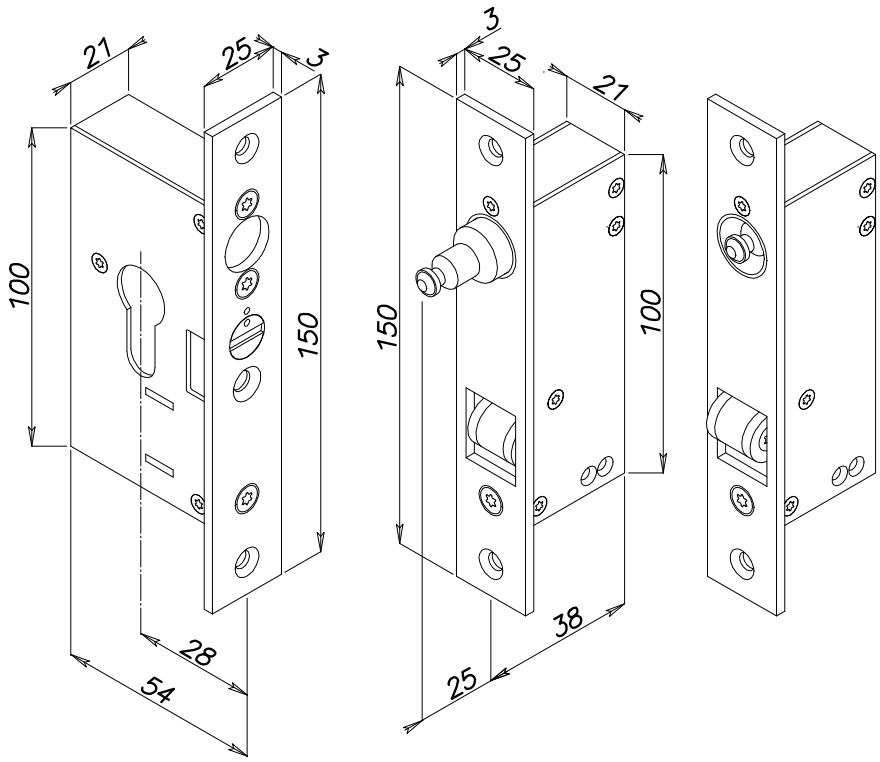
Common features: Stainless steel body. Nickel plated hardened steel block pin on stainless steel counterplate Strength of resistance to breaking and entering: 800 kg. Insertion of the front panel block pin.
Use: security locking, electrically controllable for the closuring of sliding doors, including external ones exposed to weather.

NEW

Art.	Description
	SECURITY ELECTRIC LOCK Mechanical opening with European cylinder Locked without power supply Front panel lock and stainless steel counterplate Counterplate with pin release system when the door is ajar Pin diameter 9.5 mm, extension 25 mm. Opening: limited to the duration of the impulse with current limiter. Entrance: 20 mm. C. / N.A. / N.C. microswitch of inserted pin position
	FAIL SAFE
23622S	Power supply : 12Vdc – 1A
23624S	Power supply : 24Vdc – 500mA
	FAIL SECURE
23822S	Power supply : 12Vdc – 1A
23824S	Power supply : 24Vdc – 500mA
Art. + CF	Supplied with fix counterplate
Art. + CS	Supplied with pin cylinder
02238CF	Fix counterplate – spare part
02238S	Counter lock – spare part



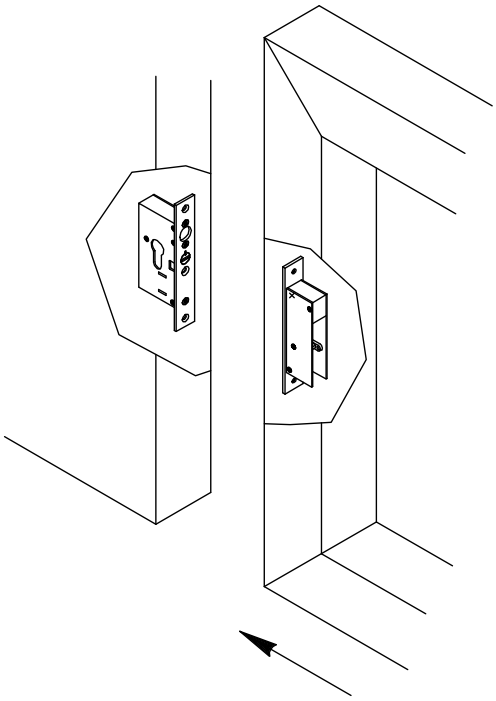




Counterlock system

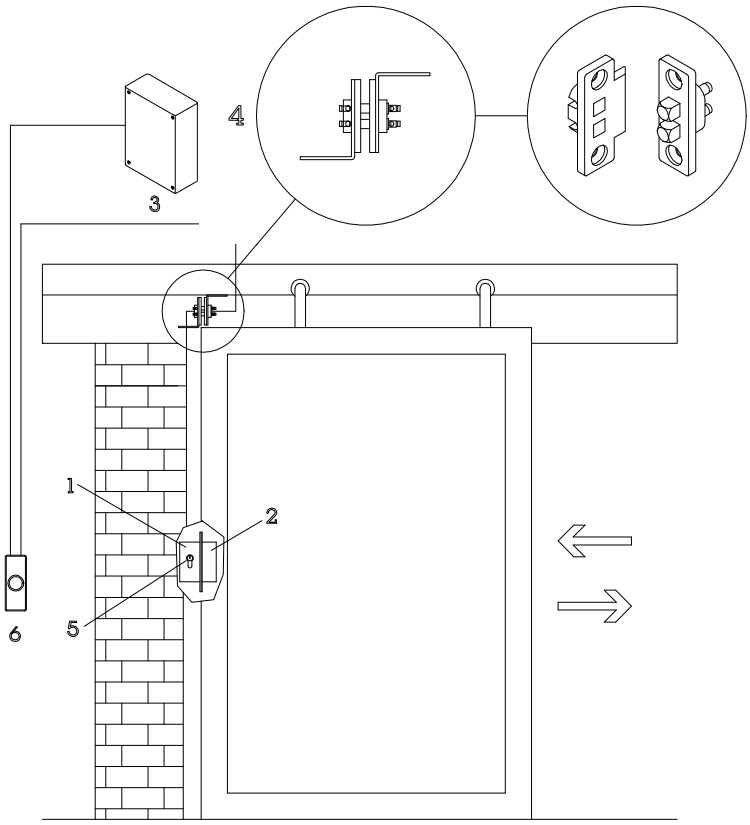
when the door is closed

when the door is open



SEE APPLICATION EXAMPLE

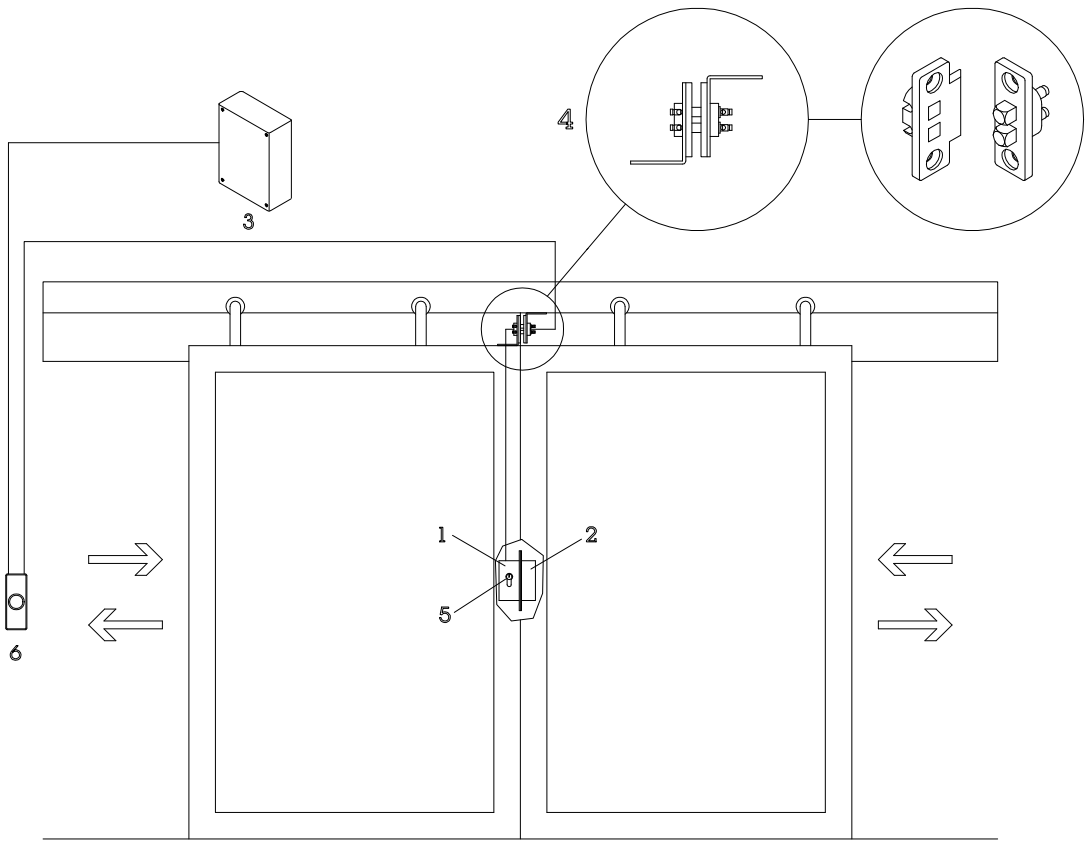
1 shutter sliding door



LEGENDA

1 Arca Slide
2 Striking plate
3 Power supply
4 Tappet contacts
5 European cylinder
6 Button

2 shutters sliding doors



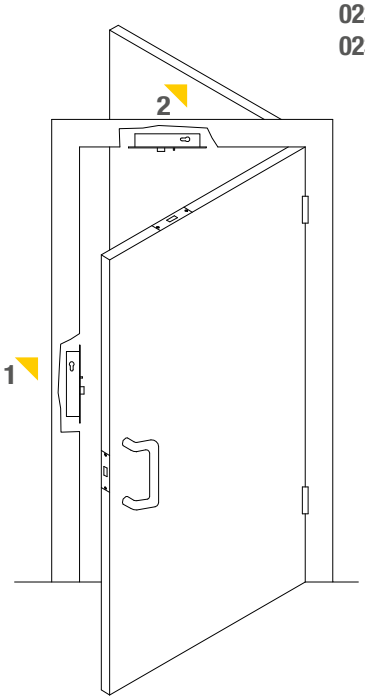
LEGENDA

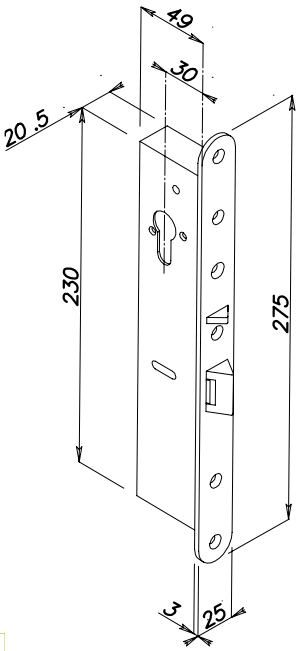
1 Arca Slide
2 Striking plate
3 Power supply
4 Tappet contacts
5 European cylinder
6 Button

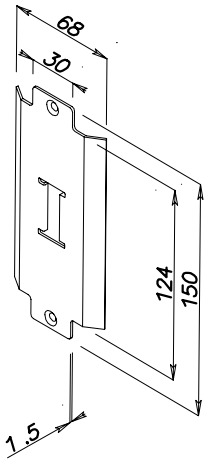
Art.	Description
23000	**ELECTROMECHANICAL LOCK FOR DOUBLE ACTION DOORS** Mechanical opening with European type cylinder Front plate and strike plate in stainless steel Reversible latch with mechanical block in closed position Striking plate device to block the latch in the closed position Latch dimensions (mm): 26 x 15.5 x extension 13 Operating voltage: 12/24 Vac/dc Absorbed current: 280 mA at 12 Vdc – 140 mA at 24 Vdc Version: fail unlocked (closed with power) and fail locked (open with power) selectable Backset (mm): 30 Latch blocked/released status contact C. / N.O. / N.C. Supplied with 2 striking plates – 1 for regular swing door, 1 for double swing action door **Use:** electromechanical lock ideal for operation on double action doors (opening in both directions). The door is reclosed automatically when it approaches by pressing on the special mechanical alignment device. **On request:** as the opening of the electromechanical lock is limited to the duration of the electric pulse (security version) or the lack of power (fail unlocked version), we recommend using the timer board item 51500 (pag. 43) to time release the lock (usable only if the electromechanical lock is powered with 12 Vdc). If powered with 24 Vdc, other time release devices available on the market and not provided by us must be used.

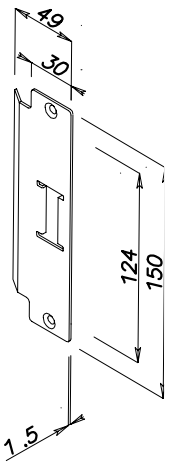
STRIKING PLATE - REPLACEMENT

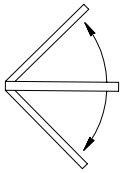
02300 Striking plate mm 150 x 68 x 1,5 for double action doors
02301 Striking plate mm 150 x 49 x 1,5 for normal swing doors

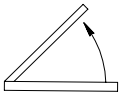












APPLICATION EXAMPLE

1 Mounting on vertical frame
2 Mounting on horizontal frame

Art.	Description

54610

ELECTRONIC CONTROL UNIT

For management of one door

Box in beige ABS, dimensions (mm) 240 x 150 x 48
Operating voltage: 12/24 Vac/Vdc
Absorbed current: 60 mA in stand-by
Microprocessor command electronics
Ready for interlocking connection of 2 or more doors

Inputs with N.O. contacts for:
- Opening
- Blocking
- Emergency
- Alarm reset
- Deadbolt position
- Door position

Outputs:
- C./N.A./N.C relay for connection to Red/Green indicator lamps
- C./N.A alarm relay for Prolonged Opening of the door, Fault.

Emergency, simultaneous Opening of 2 or more doors if interlocked

Possibility of connection in cascade to interlock several doors with each other (to be connected one for each door to be controlled)

Push buttons for monitoring and adjustment of the following times:
- Relocking from 0 - 5 seconds upon approach of the door
- Relocking from 0 - 60 seconds if the door is not opened
- Prolonged door opening alarm from 0 - 120 seconds

Use: electronic control unit for timed and/or interlocking management of security electromagnets art. 12800M, 13500M, 13100, 13700 and 142, solenoid lock series art. 20610, 20810, 20911, 20913, 21610, 21614, 21810, 21814, 21911, 21915, electric strikes series 346 and 348.

54710

ELECTRONIC CONTROL UNIT

For management of two doors

Box in beige ABS, dimensions (mm) 240 x 150 x 48
Operating voltage: 12/24 Vac/Vdc
Absorbed current: 80 mA in stand-by
Internal microprocessor control electronics
Same electrical and operational characteristics as Art. 54610 but for management of 2 doors in single or interlocking configuration

Use: electronic control unit for timed and/or interlocking management of security electromagnets art. 12800M, 13500M, 13100, 13700 and 142, solenoid lock art. 20610, 20810, 20911, 20913, 21610, 21614, 21810, 21814, 21911, 21915, electric strikes series 346 and 348.

Art.	Description

54611A

54612A

54613A

54614A

UNIVERSAL COMMAND CONSOLE CONTROL SYSTEM

Aluminium console box in black
with silk screened polycarbonate panel
Membrane button with touch effect
Dimensions (mm): 195 x 160 x 50 (1 and 2 door versions)
Dimensions (mm): 300 x 160 x 50 (3 and 4 door versions)
Operating voltage: 12/24 Vac/Vdc
Connections via screw terminal block
N.O. inputs for command of door Opening from console
N.O. inputs for command of door Opening from external push buttons or sensitive handles
N.O. input for Reset command
N.O. input for Block command
N.O. / + 12 Vdc Input for alarm activation
N.O./N.C. input with memory for management of the interlock with insertion of a Metal-Detector *
N.O./N.C. input for presence of persons inside the interlock for automatic operation *
ON/OFF key switch for turning off system via external relay (i.e. item REL12V)
Manual, Automatic, Emergency key switch
Automatic operation selectable in 4 modes:
mono-directional, bi-directional, first door open, from external push button / sensitive handle on the doors*

Optical signalling:
Red/Green LED for Open/Closed lock status indication
Red/Green LED for Open/Closed door status indication
Alarm, Reset, Presence of Persons, Automatic, Emergency, Block, Metal-Detector, Power / Low Battery Alarm LEDs
Internal buzzer (can be deactivated) for acoustic signalling of pressing of push buttons, for signalling of an active alarm and low battery
* Functions enabled in 2 - 3 and 4 door consoles for interlocking operation

54611A	For 1 door
54612A	For 2 doors
54613A	For 3 doors
54614A	For 4 doors

Use: universal console for door command

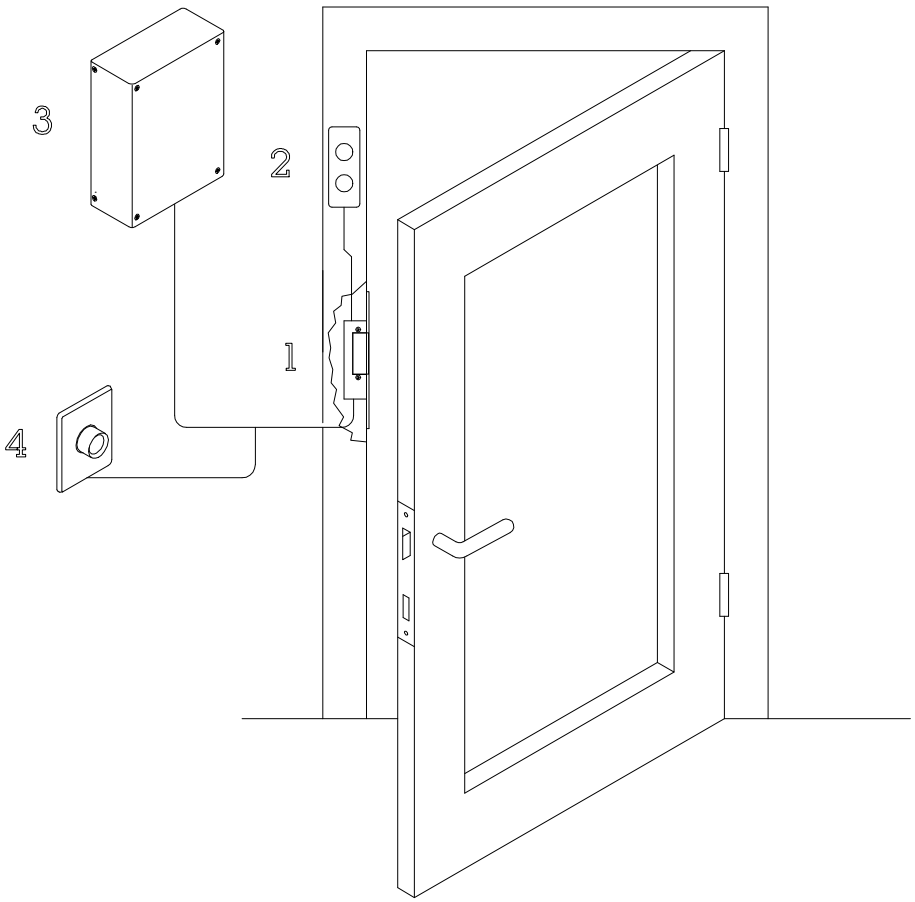
Can be connected to: solenoid lock Prima and Classica series, electronics Art. 54610, Art. 54710 combined with Safety, Omnia 1,000, Quadra, Quadra Micro series closing systems, with electronics Art. 54250 and 54255 with motorised electric lock Maxima series 25500

SERVICE RELAY

REL12V	Relay with polarized activation coil at 12 Vdc/90 mA Double switching C./N.O./N.C. - Contacts rating 10 A @ 250 Vac
REL24V	Relay with polarized activation coil at 24 Vdc / 50 mA Double switching C./N.O./N.C. - Contacts rating 10 A @ 250 Vac

Use: can be used as relay for turning on and off the system via ON/OFF key switch on the console (or for other uses where required)

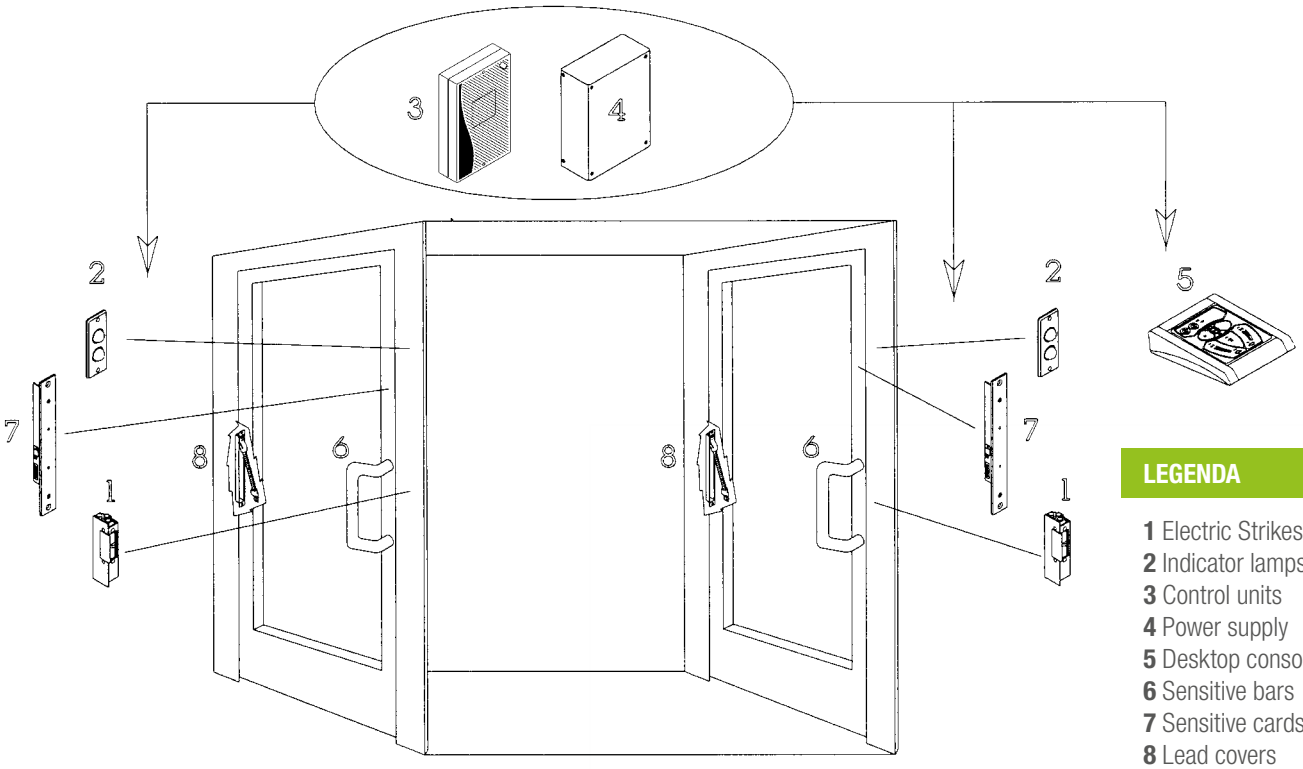
CLOSING SYSTEM WITH SECURITY ELECTRIC STRIKE OMNIA 1.000



LEGENDA

1 Security electric strike
2 Indicator lamp
3 Power supply
4 Remote opening button

INTERLOCKED DOORS SYSTEM WITH ELECTRIC STRIKES OMNIA 1.000 SERIE



LEGENDA

1 Electric Strikes
2 Indicator lamps
3 Control units
4 Power supply
5 Desktop console
6 Sensitive bars
7 Sensitive cards
8 Lead covers

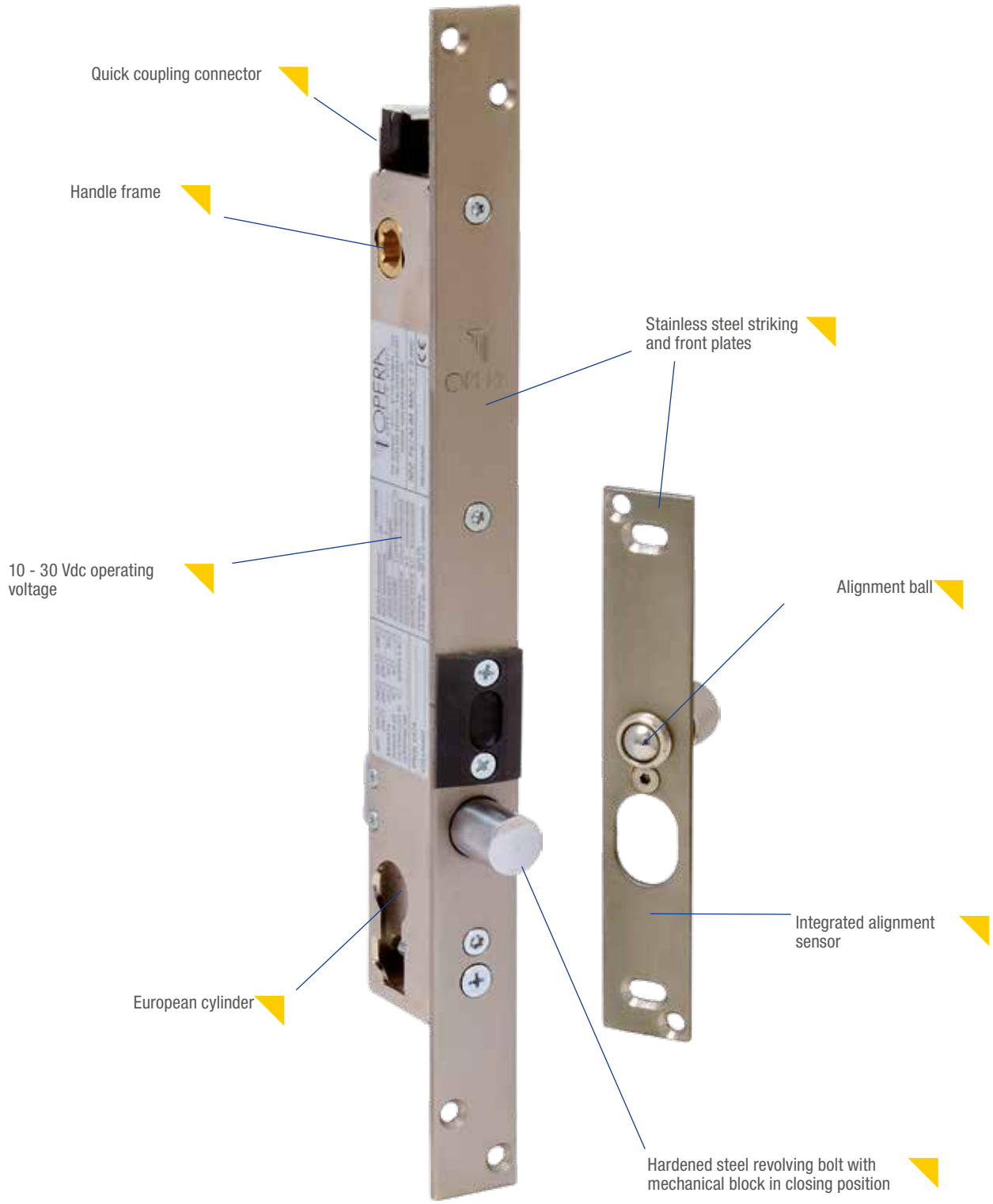
PRIMA

- SECURITY SOLENOID LOCKS
- ANTI CUTTING AND ANTI BREAKING AND ENTERING REVOLVING BOLT
- MANUAL ACTIVATION WITH EUROPEAN CYLINDER AND HANDLE
- FOR AN INTENSIVE AND CONTINOUS USE
- IDEAL FOR STEEL OR ALUMINIUM DOORS
- SINGLE OR INTERLOCKED CONFIGURATION

OPERA

PRIMA

www.opera-italy.com



PLUS

- Security solenoid lock
- Hardened steel revolving bolt with mechanical block
- Fail safe or fail secure versions without power
- Internal microprocessor control electronics
- High resistance to breaking and entering
- Mechanical opening with European cylinder or handle
- Automatic closing with adjustable timing

SINGLE DOOR WITH SOLENOID LOCK

INTERNAL OPENING

EXTERNAL OPENING

PLUS EXAMPLE

- Solenoid lock to be mounted on emergency exits
- To be mounted on the frame or on the shutter
- Single door operating system (condominiums, offices, companies.)
- Interlocked doors operating system (banks, jewelries, corporations)
- To be matched with intercom and access control systems

24600

24600SA

24800

24800SA

Art.	Description
	SOLENOID BOLT FOR INTERLOCKING SYSTEMS Mechanical opening with European type cylinder **(cylinder with internal knob not usable)** Striking plate in stainless steel (mm) 320 x 25 x 3 Armature plate in stainless steel (mm) 150 x 25 x 3 with alignment magnet Revolving bolt in anti-cutting hardened steel with mechanical block in closed position Deadbolt dimension (mm): extension 20 (25 in the XL version), diameter 16 Lock body dimensions on page 140 Operating voltage: from 10 to 30 Vdc Absorbed current: 2.5/3 A peak 130/230 mA for maintenance with electronic control Internal microprocessor control electronics Rapid plug-in connector Ready for interlocking connection of 2 or more doors N.O. Opening, Block, Emergency and Alarm Reset Controls Deadbolt position contact C. / N.O. / N.C Door position contact N.O. for the Open / Closed monitoring function or for use on an external door alignment sensor Open Collector Alarm contact for Prolonged Opening from 0 to 120 seconds, Fault, Emergency, simultaneous Opening of 2 or more doors if in interlocked configuration Opto-electronic bolt position control Magnetic door position sensor Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened The timings can be disabled for use of the solenoid bolt with external control electronics Push button for monitoring and adjustment of the Prolonged Door Open Alarm trigger (function can be disabled) Vertical mounting (Horizontal mounting on demand see page 139)
	Fail unlocked deadbolt open without power
24600	Without handle frame
24608	With handle frame (mm) 8
24609	With handle frame (mm) 9
	Fail locked deadbolt closed without power
24800	Without handle frame
24808	With handle frame (mm) 8
24809	With handle frame (mm) 9
	Backsets available (mm): 25 - 30 - 35 - 60
	Options On request:
Art. + XL	Extended deadbolt + 5 mm.
Art. + SA	Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate
Art. + CS	Solenoid bolt for pin key inserted (available backsets 27, 32 and 37)
Art. + PK	Solenoid bolt prepared to accept the swiss round cylinder 22mm diam. Only available in backset 35mm – supplied without cylinder
	Extra charge for backset 60mm
	Packaging: solenoid bolt, armature plate, cylinder screw and connector

Art.	Description

KIT FOR INTERLOCKING SYSTEM EXAMPLE 1

Features: Management of the doors with manual opening by means of console push buttons
Kit is made up of:
2 Solenoid bolts series 24600 or 24800 (specify backset)
1 Power supply item 05320A or 05312A (in box with space for battery)
1 Command console item 54612A
2 Concealed cable covers (with lock mounted on the door) item 08600
1 Backup battery item 00712

KIT FOR INTERLOCKING SYSTEM EXAMPLE 2

Features: Management of the doors with manual opening by means of console push buttons
Indicator lamp signalling to be inserted on the door post to support management of opening to the public.
Kit is made up of:
2 Solenoid bolts series 24600 or 24800 (specify backset)
1 Power supply item 05320A or 05312A (in box with space for battery)
1 Command console item 54612A
4 Indicator lamps item 55010 (Silver or Black) or 55030
2 Concealed cable covers (with lock mounted on the door) item 08600
1 Backup battery item 00712

KIT FOR INTERLOCKING SYSTEM EXAMPLE 3

Features: Management of the doors with manual opening by means of console push buttons
Indicator lamp signalling to be inserted on the door post to support management of opening and intercom for communication with the public outside.
Kit is made up of:
2 Solenoid bolts series 24600 or 24800 (specify backset)
1 Power supply item 05320A or 05312A (in box with space for battery)
1 Command console item 54612A
3 Indicator lamps item 55010 (Silver or Black) or 55030
1 Indicator lamp item 55012 (Silver or Black) or 55030 + 55033
1 Intercom handset item 05513
2 Concealed cable covers (with lock mounted on the door) item 08600
1 Backup battery item 00712

KIT FOR INTERLOCKING SYSTEM EXAMPLE 4

Features: Management of the doors with manual opening by means of console push buttons and automatic opening by means of external push buttons on the indicator lamps.
Indicator lamp signalling to be inserted on the door post to support management of opening and intercom for communication with the public outside.
Kit is made up of:
2 Solenoid bolts series 24600 or 24800 (specify backset)
1 Power supply item 05320A or 05312A (in box with space for battery)
1 Command console item 54612A
3 Indicator lamps with push buttons item 55011 (Silver or Black) or 55031
1 Indicator lamp item 55014 (Silver or Black) or 55031 + 55033
1 Intercom handset item 05513
2 Concealed cable covers (with lock mounted on the door) item 08600
1 Backup battery item 00712

25600

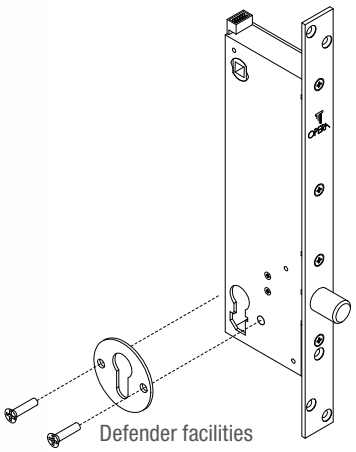
25600SA

25800

Art.	Description
	SOLENOID BOLT FOR SINGLE DOOR Mechanical opening with European type cylinder **(cylinder with internal knob not usable)** Striking plate in stainless steel (mm) 320 x 25 x 3 Armature plate in stainless steel (mm) 150 x 25 x 3 with alignment magnet Revolving bolt in anti-cutting hardened steel with mechanical block in closed position Deadbolt dimension (mm): extension 20 (25 in the XL version), diameter 16 Lock body dimensions on page 140 Operating voltage: From 10 to 30 Vdc Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control Internal microprocessor control electronics Rapid plug-in connector Ready for interlocking connection of 2 or more doors N.O. Opening control Deadbolt position contact C. / N.O. / N.C Opto-electronic bolt position control Magnetic door position sensor Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened The timings can be disabled for use of the solenoid bolt with external control electronics Vertical mounting (horizontal on demand see page 139)
	Fail unlocked deadbolt open without power:
25600	Without handle frame
25608	With handle frame (mm) 8
25609	With handle frame (mm) 9
	Fail locked deadbolt closed without power:
25800	Without handle frame
25808	With handle frame (mm) 8
25809	With handle frame (mm) 9
	Backsets available (mm): 25 - 30 - 35 - 60
	Options On request:
Art. + XL	Extended deadbolt + 5 mm.
Art. + SA	Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate
Art. + CS	Solenoid bolt for pin key inserted (available backsets 27, 32 and 37)
Art. + PK	Solenoid bolt prepared to accept the swiss round cylinder 22mm diam. Only available in backset 35mm – supplied without cylinder)
	Extra charge for backset 60 mm
	Packaging: solenoid bolt, armature plate, cylinder screw and connector

NEW

25808 60



Defender facilities

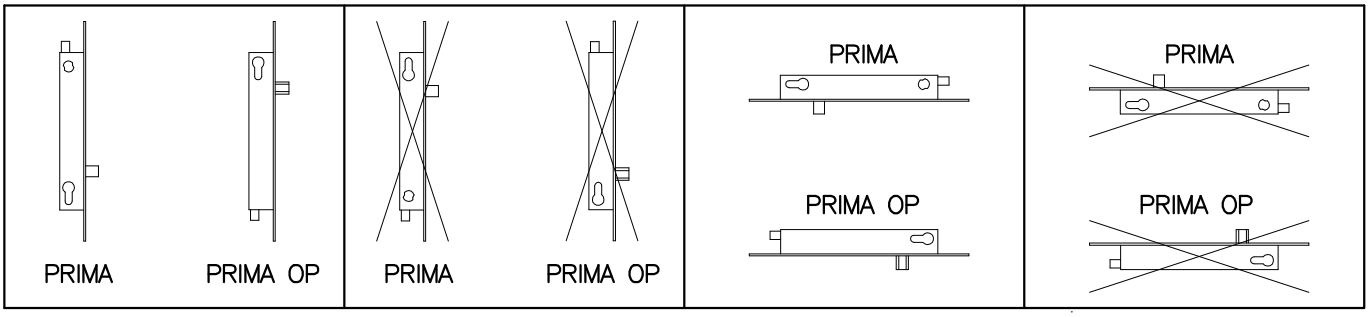
25908

25908SA

Art.	Description
	SOLENOID BOLT FOR SINGLE DOOR Mechanical opening with European type cylinder **(cylinder with internal knob not usable)** Striking plate in stainless steel (mm) 320 x 25 x 3 Armature plate in stainless steel (mm) 150 x 25 x 3 Reversible anti-cutting latch in hardened steel Lock body dimensions on page 140 Latch dimensions (mm): 16 (diameter) x 14 x 16 extension Operating voltage: from 10 to 30 Vdc Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control Internal microprocessor control electronics Rapid plug-in connector N.O. Opening control Monitored latch position contact C. / N.O. / N.C Opto-electronic Monitored latch position control Push button for monitoring and adjustment of the latch protrusion time from 0-60 seconds The timing can be disabled for use of the solenoid bolt with external control electronics
	Fail locked latch closed without power:
25900	Without handle frame
25908	With handle frame (mm) 8
25909	With handle frame (mm) 9
	Shabbat version on demand
	Backsets available (mm): mm 25 - 30 - 35 - 60
	Options On request:
Art. + SA	Solenoid bolt with anti-rebound ball-catch mounted directly on the armature plate with the slide in ABS on the striking plate
Art. + CS	Solenoid bolt for pin key inserted (available backsets 27, 32 and 37)
Art. + PK	Solenoid bolt prepared to accept the swiss round cylinder 22mm diam. Only available in backset 35mm – supplied without cylinder
	Extra charge: for backset 60mm
	Packaging: solenoid bolt, armature plate, cylinder screw and connector

	CONNECTORS - REPLACEMENT
CC090	Connector 9 wires for locks ref 256 - 258 - 259 - 278 - 279 - OP SERIES
CC091	Connector 14 wires for locks ref 246 - 248 - 268

SOLENOID LOCKS MOUNTING DIRECTION



YES NO YES, ON DEMAND NO

25910

25910SA

Art.	Description

FAIL UNLOCKED SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder
(cylinder with internal knob not usable)
Striking plate in stainless steel (mm) 320 x 25 x 3
Armature plate in stainless steel (mm) 150 x 25 x 3
Reversible anti-cutting latch in hardened steel
Lock body dimensions – see below
Latch dimensions (mm): 16 (diameter) x 14 x 16 extension
Operating voltage: from 10 to 30 Vdc
Absorbed current: 2.5/3 A peak - 130/230 mA for permanent maintenance with electronic control
Internal microprocessor control electronics
N.O. Opening control
Opto-electronic Monitored latch position control
Relocking after 5 seconds

Fail unlocked latch closed with power:

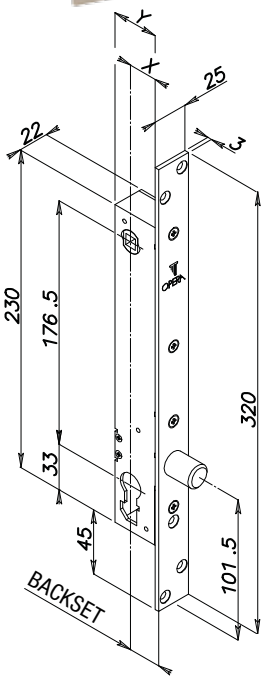
25910 Without handle frame
25918 With handle frame (mm) 8
25919 With handle frame (mm) 9

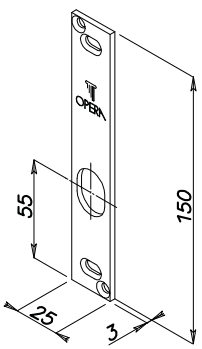
Shabbat version on demand
Backsets available (mm): mm 25 - 30 - 35 -60
Options On request:

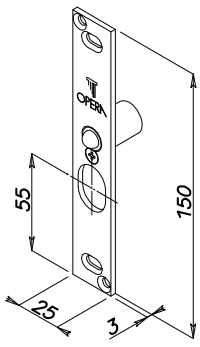
Art. + SA Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate
Art. + CS Solenoid bolt for pin key inserted (available backsets 27, 32 and 37)
Art. + PK Solenoid bolt prepared to accept the swiss round cylinder 22mm diam. Only available in backset 35mm – supplied without cylinder
Extra charge: for backset 60mm

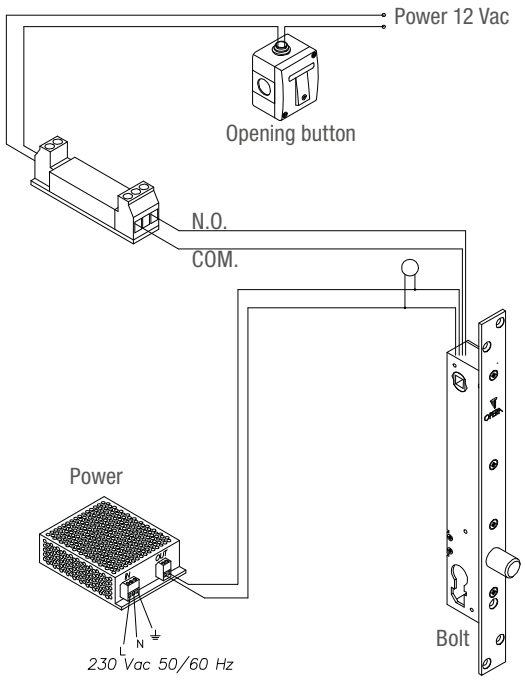
Packaging: solenoid bolt, armature plate, cylinder screw and connector

BACKSET	X	Y
25	22	35
30	27	40
35	32	45
60	57	70









Art.	Description

CARTER FOR VERTICAL SOLENOID LOCK FOR SURFACE FIXING IN CYLINDER / CYLINDER WITH HANDLE VERSION

Bolt and Armature plate carter body in black painted steel
Carter for solenoid lock dimensions (mm): 340 x 46 x 27
Carter for Armature plate dimensions (mm): 340 x 30 x 27

02309.1 Right hand
02309.2 Left hand

Identify whether right or left hand according to the table at the bottom of the page
Backsets available (mm): 30

TAMPER DEFENDER

Matt chromium plated body in hardened steel
Rotor in hardened steel
Dimensions (mm): 70 x 30 x 8
Fixing without through bolt holes with burglar block with cylinder inserted
Usable with cylinders which protrude up to 4 mm.
For greater protrusions spec<ial 1 mm. shims can be used up to the desired protrusion.

Use: tamper defender for security cylinders
Can be used with all cylinders mounted on electromechanical locks and solenoid locks

02250 Defender
02251 1 mm. shims in steel

05258

RELAY CIRCUIT FOR INTERCOM OPENING COMMAND

Circuit dimensions (mm): 58 x 15 x 18
Input operating voltage: 9 – 12 Vac/Vdc
Output: relay with dry contact C./N.O./N.C . .

Use: this circuit allows the 12 Vac contact to be transformed for activation of the traditional electromechanical lock which comes from the intercom system with N.O. dry contact necessary for activation of the solenoid lock opening command
Can be used with all electromagnets in the Safety series, all solenoid locks in the Quadra series (in combination with their control units), the Prima series, Classica, Maxima series (combined with their control units)

COVER APPLICATION

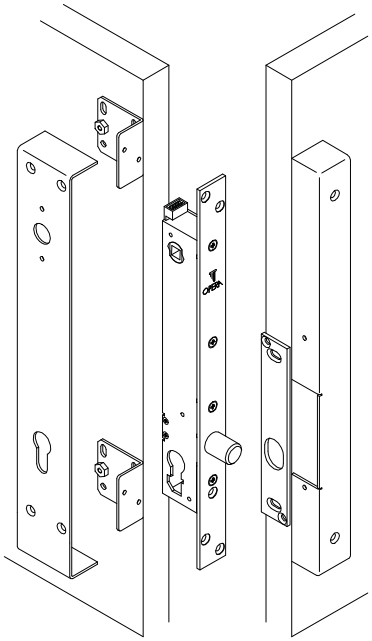
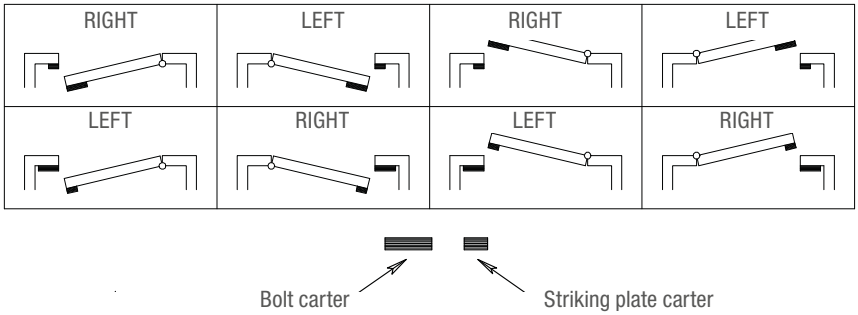


CHART TO IDENTIFY THE HAND OF THE CARTER



Art.	Description

OP55036

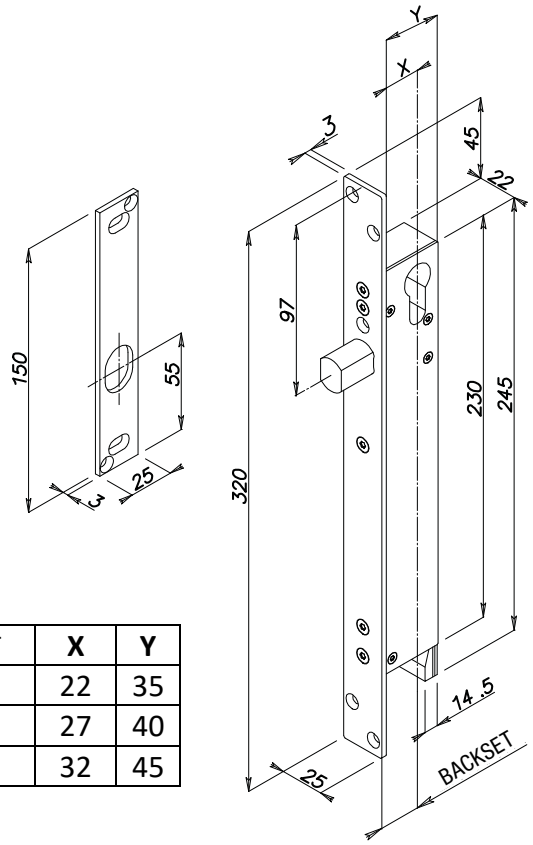
SOLENOID BOLT FOR SINGLE DOOR

(Spare parts – Interchangeable with Corni type solenoid locks)
Mechanical opening with European type cylinder
(cylinder with internal knob not usable)
Striking plate in stainless steel (mm) 320 x 25 x 3
Armature plate in stainless steel (mm) 150 x 25 x 3 with alignment magnet
Deadbolt in anti-cutting hardened steel with mechanical block in closed position
Deadbolt dimensions (mm): extension 20, diameter 18 x 14
Operating voltage: from 10 to 30 Vdc
Absorbed current: 2.5/3 A peak - 130/230 mA for permanent maintenance with electronic control
Internal microprocessor control electronics
Rapid plug-in connector
Ready for interlocking connection of 2 or more doors
N.O. Opening control
Deadbolt position contact C. / N.O. / N.C
Opto-electronic bolt position control
Magnetic door position sensor
Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened
The timings can be disabled for use of the solenoid bolt with external control electronics

OP55036 Fail unlocked deadbolt open without power
OP55038 Fail locked deadbolt closed without power

Backsets available (mm): 25 - 30 - 35
Packaging: solenoid bolt,armature plate, cylinder screw and connector

OP55038



BACKSET	X	Y
25	22	35
30	27	40
35	32	45

OP5503910

OP55039

Art.	Description

FAIL LOCKED / FAIL UNLOCKED SOLENOID BOLT FOR SINGLE DOOR

(Spare parts – Interchangeable with Corni type solenoid locks)
Mechanical opening with European type cylinder
(cylinder with internal knob not usable)
Striking plate in stainless steel (mm) 320 x 25 x 3
Armature plate in stainless steel (mm) 150 x 25 x 3
Latch in anti-cutting hardened steel not reversible
(indicate the opening hand – see drawing below)
Latch dimensions (mm): 16, diameter 18 x 14
Operating voltage: from 10 to 30 Vdc
Absorbed current: 2.5/3 A peak - 130/230 mA for permanent maintenance with electronic control
Internal microprocessor control electronics
Rapid plug-in connector
N.O. Opening control
Monitored latch position contact C. / N.O. / N.C. (only for OP55039)
Opto-electronic Monitored latch position control
Push buttons for monitoring and adjustment of the relocking times from 0-60 seconds
The timing can be disabled for use of the solenoid bolt with external control electronics

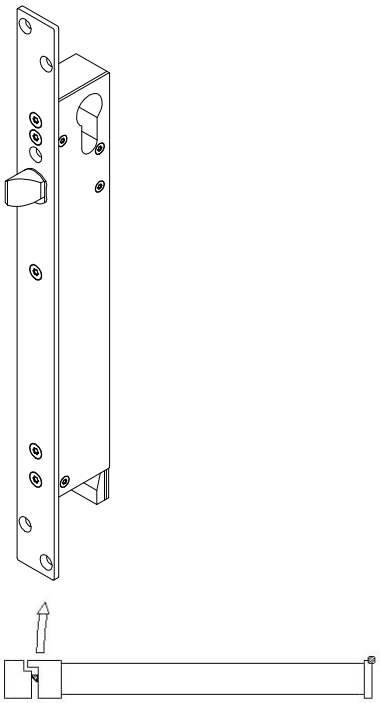
OP55039.1 Fail secure - Right hand
OP55039.2 Fail secure - Left hand

OP5503910.1 Fail safe - Right hand
OP5503910.2 Fail safe - Left hand

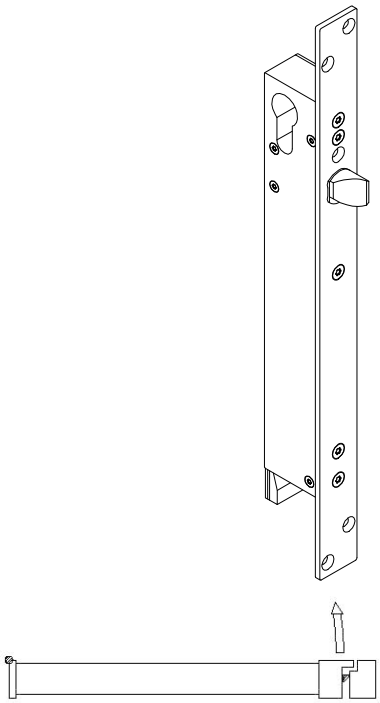
Backsets available (mm): mm 25 - 30 - 35
Packaging: solenoid bolt, armature plate, cylinder screw and connector

HANDING

RIGHT



LEFT



Art.	Description

SOLENOID BOLT FOR INTERLOCKING DOORS

Mechanical opening with European type cylinder
(cylinder with internal knob not usable)
Striking plate in stainless steel (mm) 440 x 30 x 4
Armature plate in stainless steel (mm) 440 x 25 x 4 with alignment magnet
Deadbolt in anti-cutting hardened steel with mechanical block in closed position
Anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the solenoid lock striking plate
Deadbolt dimensions (mm): extension 23, diameter 22
Version with handle frame backset with 85 mm. cylinder hole
For lock body dimensions see page 145
Operating voltage: from 10 to 30 Vdc
Absorbed current: 3 A peak - 130/230 mA for permanent maintenance with electronic control
Internal microprocessor control electronics
Rapid plug-in connector
Ready for interlocking connection of 2 or more doors

N.O. Opening, Block, Emergency and Alarm Reset Controls
Deadbolt position contact C. / N.O. / N.C
Door position contact N.O. for the Open / Closed monitoring function or for use on an external door alignment sensor
Open Collector Alarm contact for Prolonged Opening from 0 to 120 seconds, Fault, Emergency, simultaneous Opening of 2 or more doors if in interlocked configuration
Opto-electronic bolt position control - Magnetic door position sensor
Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened
The timings can be disabled for use of the solenoid bolt with external control electronics
Push button for monitoring and adjustment of the Prolonged Door Open Alarm trigger (function can be disabled)

Fail unlocked deadbolt open without power:

24620	Without handle frame
24628	With handle frame (mm) 8

Fail locked deadbolt closed without power:

24820	Without handle frame
24828	With handle frame (mm) 8

Backset available (mm): 30
Compliance: EN12209 grade 7 burglar
Packaging: solenoid bolt, armature plate, cylinder screw and connector

Art.	Description

SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder
(cylinder with internal knob not usable)
Striking plate in stainless steel (mm) 440 x 30 x 4
Armature plate in stainless steel (mm) 440 x 25 x 4 with alignment magnet
Deadbolt in anti-cutting hardened steel
with mechanical block in closed position
Anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the solenoid lock striking plate
Deadbolt dimensions (mm): extension 23, diameter 22
Version with handle frame backset with 85 mm. cylinder hole
For lock body dimensions see below
Operating voltage: from 10 to 30 Vdc
Absorbed current: 3 A peak - 130/230 mA for permanent maintenance with electronic control
Internal microprocessor control electronics
Rapid plug-in connector
Ready for interlocking connection of 2 or more doors
N.O. Opening control
Deadbolt position contact C. / N.O. / N.C
Opto-electronic bolt position control
Magnetic door position sensor
Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened
The timings can be disabled for use of the solenoid bolt with external control electronics

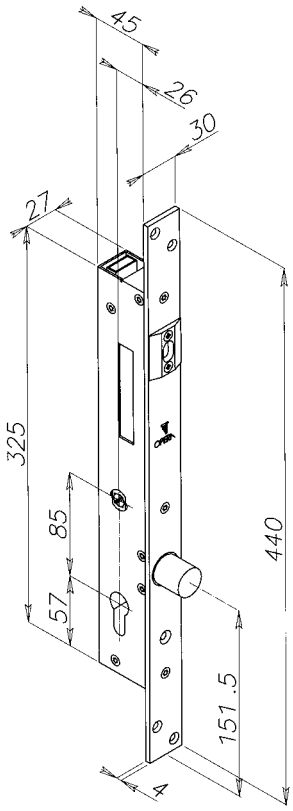
Fail unlocked deadbolt open without power:

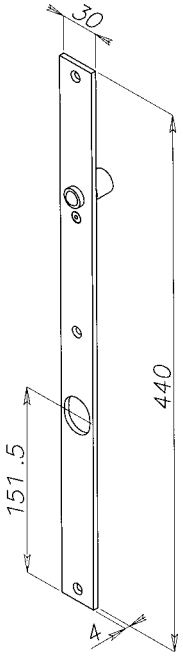
25620 Without handle frame
25628 With handle frame (mm) 8

Fail locked deadbolt closed without power:

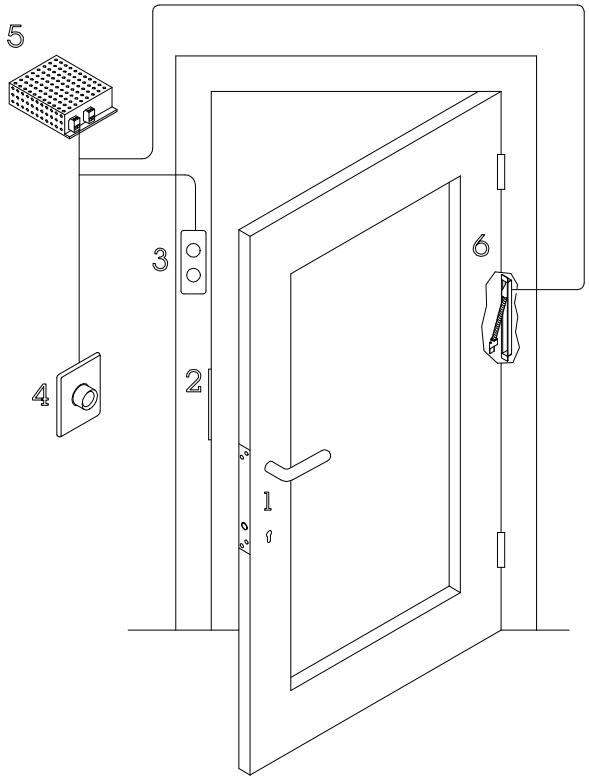
25820 Without handle frame
25828 With handle frame (mm) 8

Backset available (mm): 30
Compliance: EN12209 grade 7 burglar
Packaging: solenoid bolt, armature plate, cylinder screw and connector





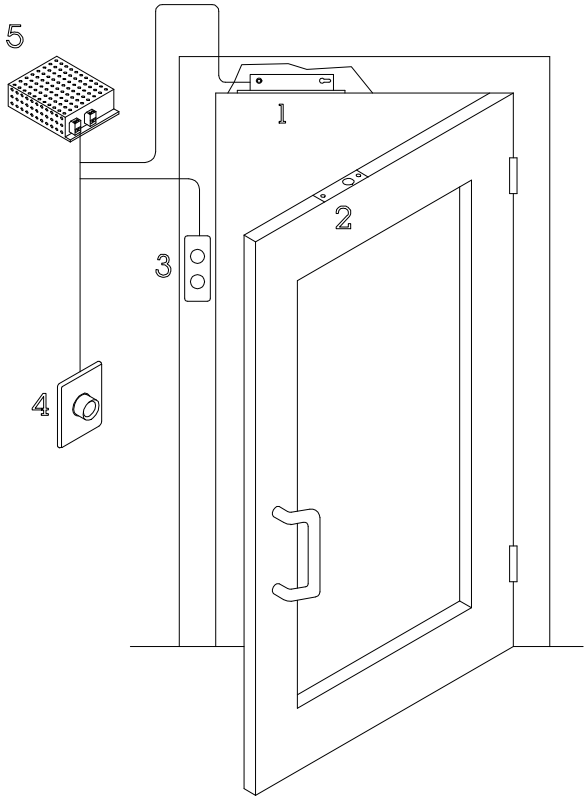
CLOSING SYSTEM WITH PRIMA SERIE SOLENOID LOCK



LEGENDA

1 Security solenoid lock
2 Striking plate
3 Indicator lamps
4 Opening button
5 Power supply
6 Concealed lead cover

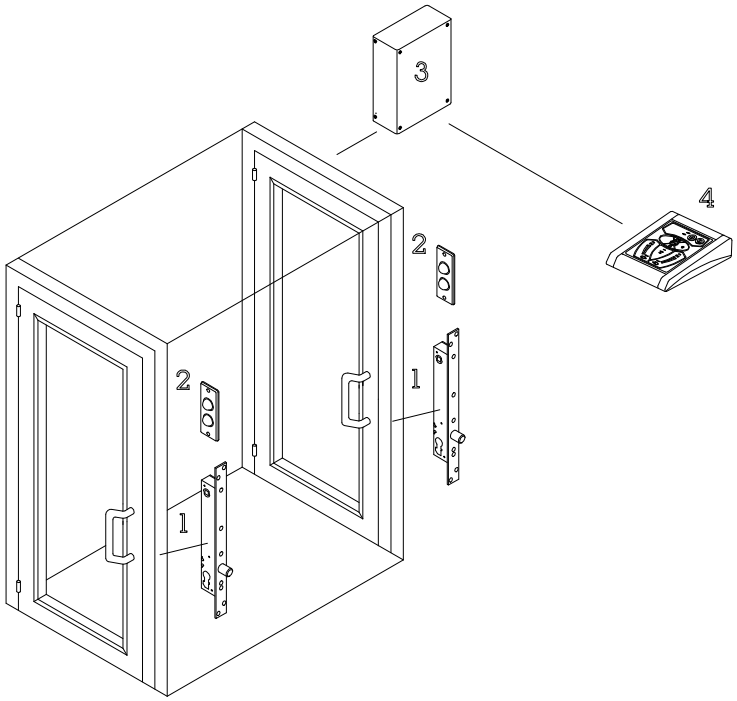
CLOSING SYSTEM WITH PRIMA SERIE SOLENOID LOCK MOUNTED ON THE FRAME



LEGENDA

1 Security solenoid lock
2 Striking plate
3 Indicator lamp
4 Opening button
5 Power supply

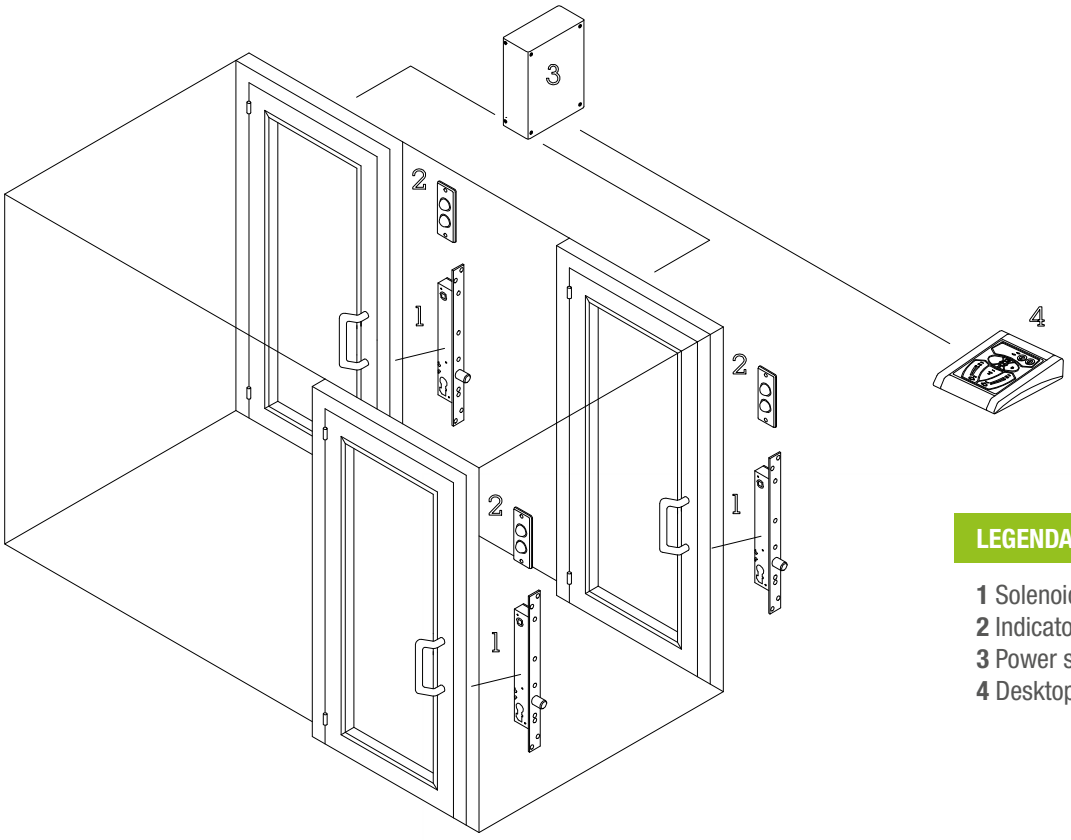
TWO DOORS INTERLOCKING SYSTEM WITH PRIMA SERIE SOLENOID LOCKS



LEGENDA

1 Solenoid locks
2 Indicator lamps
3 Power supply
4 Desktop console

THREE DOORS INTERLOCKING SYSTEM WITH PRIMA SERIE SOLENOID LOCKS



LEGENDA

1 Solenoid locks
2 Indicator lamps
3 Power supply
4 Desktop console

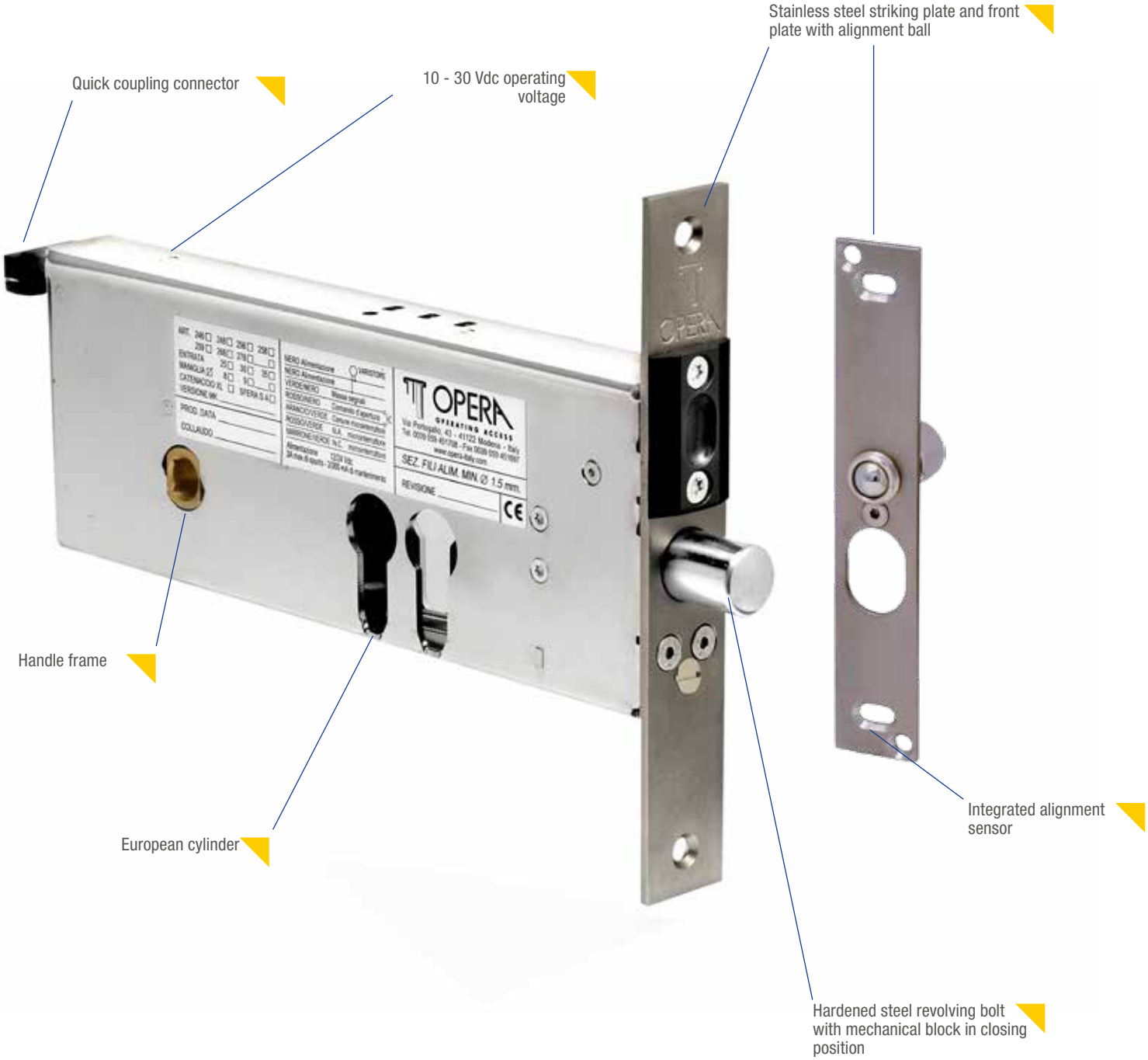
CLASSICA

- SECURITY SOLENOID LOCK
- ANTI CUTTING AND ANTI BREAKING AND ENTERING REVOLVING BOLT
- MANUAL ACTIVATION WITH EUROPEAN CYLINDER AND HANDLE
- FOR AN INTENSIVE AND CONTINOUS USE
- IDEAL FOR ALUMINIUM OR STEEL DOORS, SINGLE OR INTERLOCKED CONFIGURATION

OPERA
OPERATING ACCESS

CLASSICA

www.opera-italy.com



PLUS

- Horizontal security solenoid lock for emergency exits
- Hardened steel revolving bolt with mechanical block in closing position
- Fail secure deadbolt version without power
- High resistance to breaking and entering
- Mechanical opening with European cylinder or handle
- Automatic closing with adjustable timings

FOR SINGLE DOOR WITH SOLENOID LOCK

INTERNAL OPENING

EXTERNAL OPENING

PLUS EXAMPLE

- Horizontal security solenoid lock for emergency exits
- Insertion on the door
- Single door operating system (condominiums, offices, companies.)
- Interlocked doors operating system (banks, jewelries, corporations)
- To be matched with intercom and access control systems

Art.	Description

26800

26800SA

MECHANICAL OPENING WITH EUROPEAN TYPE CYLINDER

Mechanical opening with European type cylinder
(cylinder with internal knob not usable)
Striking plate in stainless steel (mm) 160 x 25 x 3
Armature plate in stainless steel (mm) 150 x 25 x 3
with magnet adjustable in extension
Revolving bolt in anti-cutting hardened steel with mechanical block in closed position
Deadbolt dimension (mm): extension 20 (25 in the XL version), diameter 16
Lock body dimensions on page 153
Operating voltage: from 10 to 30 Vdc
Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control
Internal microprocessor control electronics
Rapid plug-in connector
Ready for interlocking connection of 2 or more doors
N.O. Opening, Block, Emergency and Alarm Reset Controls
Deadbolt position contact C. / N.O. / N.C
Door position contact N.O. for the Open / Closed monitoring function or for use of an external door alignment sensor
Open Collector Alarm contact for Prolonged Opening of the door, Fault, Emergency, simultaneous Opening of 2 or more doors if in interlocked configuration.
Opto-electronic bolt position control
Magnetic door position sensor
Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened.
The timings can be disabled for use of the solenoid bolt with external control electronics
Push button for monitoring and adjustment of the Prolonged Door Open Alarm trigger

Fail locked deadbolt closed without power

26800 Without handle frame
26808 With handle frame (mm) 8
26809 With handle frame (mm) 9

Backsets available (mm): 70 and 90 on the same mechanics

Options On request:

Art. + XL Extended deadbolt + 5 mm.
Art. + SA Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate

Packaging: solenoid bolt, Armature plate, cylinder connector and screws

Art.	Description

27808

27808SA

SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder
(cylinder with internal knob not usable)
Striking plate in stainless steel (mm) 160 x 25 x 3
Armature plate in stainless steel (mm) 150 x 25 x 3
with magnet adjustable in extension
Revolving bolt in anti-cutting hardened steel with mechanical block in closed position
Deadbolt dimensions (mm): extension 20 (25 in the XL version), diameter 16
Lock body dimensions at the bottom of the page
Operating voltage: from 10 to 30 Vdc
Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control
Internal microprocessor control electronics
Rapid plug-in connector
Ready for interlocking connection of 2 or more doors
N.O. Opening control
Deadbolt position contact C. / N.O. / N.C
Opto-electronic bolt position control
Magnetic door position sensor
Push buttons for monitoring and adjustment of relocking times from 0-5 seconds upon approach of the door and from 0-60 seconds if the door is not opened.
The timings can be disabled for use of the solenoid bolt with external control electronics

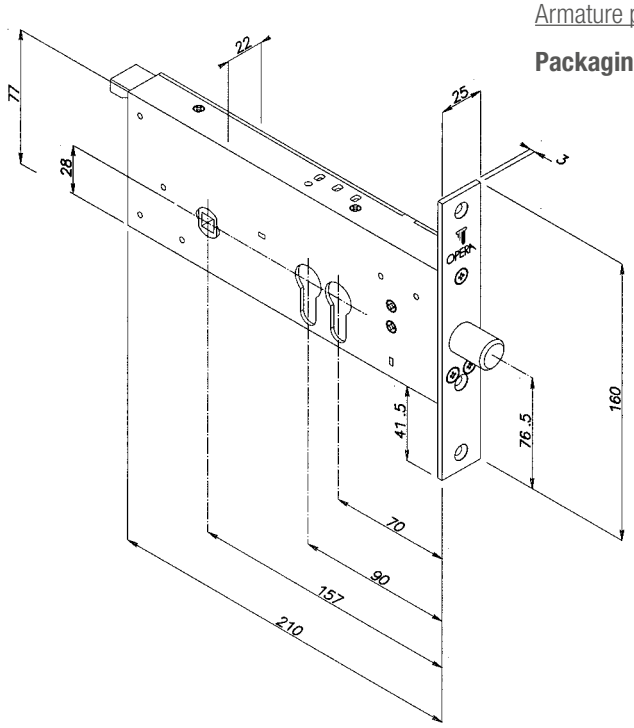
Fail locked deadbolt closed without power:

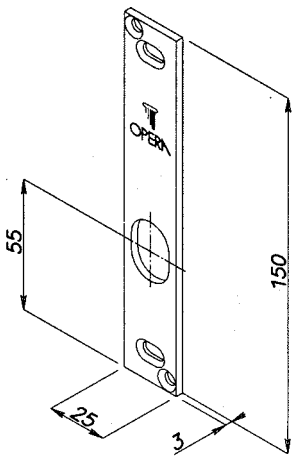
27800	Without handle frame
27808	With handle frame (mm) 8
27809	With handle frame (mm) 9

Backsets available (mm): 70 and 90 on the same mechanics
Options **On request:**

Art. + XL	Extended deadbolt + 5 mm.
Art. + SA	Solenoid bolt with anti-rebound ball-catch catch mounted directly on the Armature plate with the slide in ABS on the striking plate

Packaging: solenoid bolt, Armature plate, cylinder connector and screws





Art.	Description

27908

SOLENOID BOLT FOR SINGLE DOOR

Mechanical opening with European type cylinder
Striking plate in stainless steel (mm) 160 x 25 x 3
Armature plate in stainless steel (mm) 150 x 25 x 3
Latch in anti-cutting hardened steel not reversible on page 153
Latch dimensions (mm): 16 (diameter) x 14 x 16 extension
Lock body dimensions (see below):
Operating voltage: from 10 to 30 Vdc
Absorbed current: 2.5/3 A peak - 130/230 mA for maintenance with electronic control
Internal microprocessor control electronics
Rapid plug-in connector
N.O. Opening control
Monitored latch position contact C. / N.O. / N.C.
Opto-electronic Monitored latch position control
Push buttons for monitoring and adjustment of relocking times from 0-60 seconds if the door is not opened.
The timings can be disabled for use of the solenoid bolt with external control electronics

27908SA

27900
27908
27909

Art. + SA

Fail locked deadbolt closed without power:
Without handle frame
With handle frame (mm) 8
With handle frame (mm) 9

Backsets available (mm): 70 and 90 on the same mechanics
Solenoid bolt with anti-rebound ball-catch mounted directly on the Armature plate with the slide in ABS on the striking plate

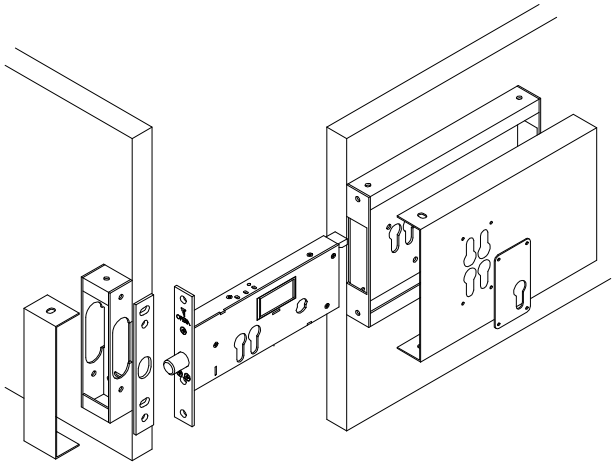
Packaging: solenoid bolt, Armature plate, cylinder connector and screws

02708

CARTER FOR HORIZONTAL SOLENOID LOCK FOR SURFACE FIXING IN CYLINDER / CYLINDER WITH HANDLE VERSION

Solenoid and Armature plate carter body in stainless steel
Carter for solenoid lock dimensions (mm): 250 x 165 x 34
Carter for Armature plate dimensions (mm): 45 x 165 x 34
Reversible hand

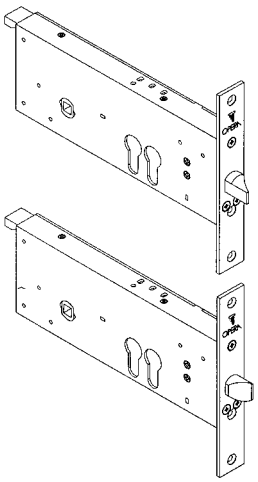
Backsets available (mm): 70 and 90 on the same carter



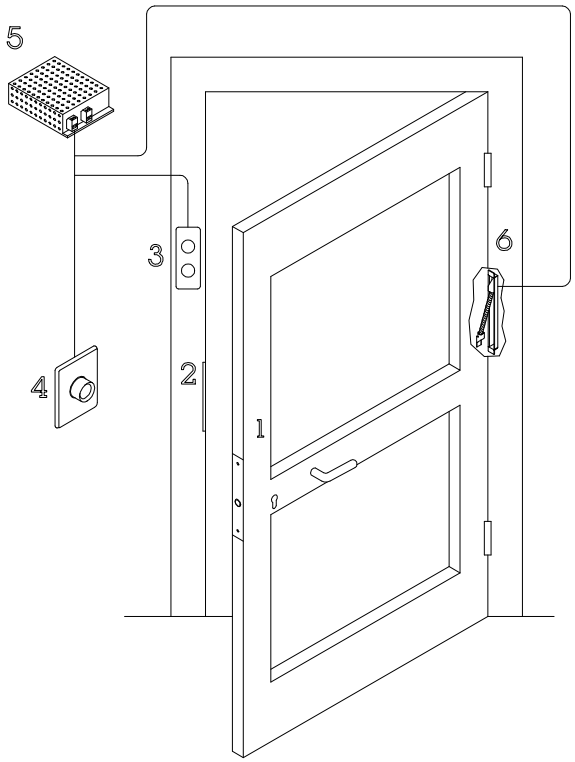
HAND OF THE SOLENOID LOCK

Right

Left



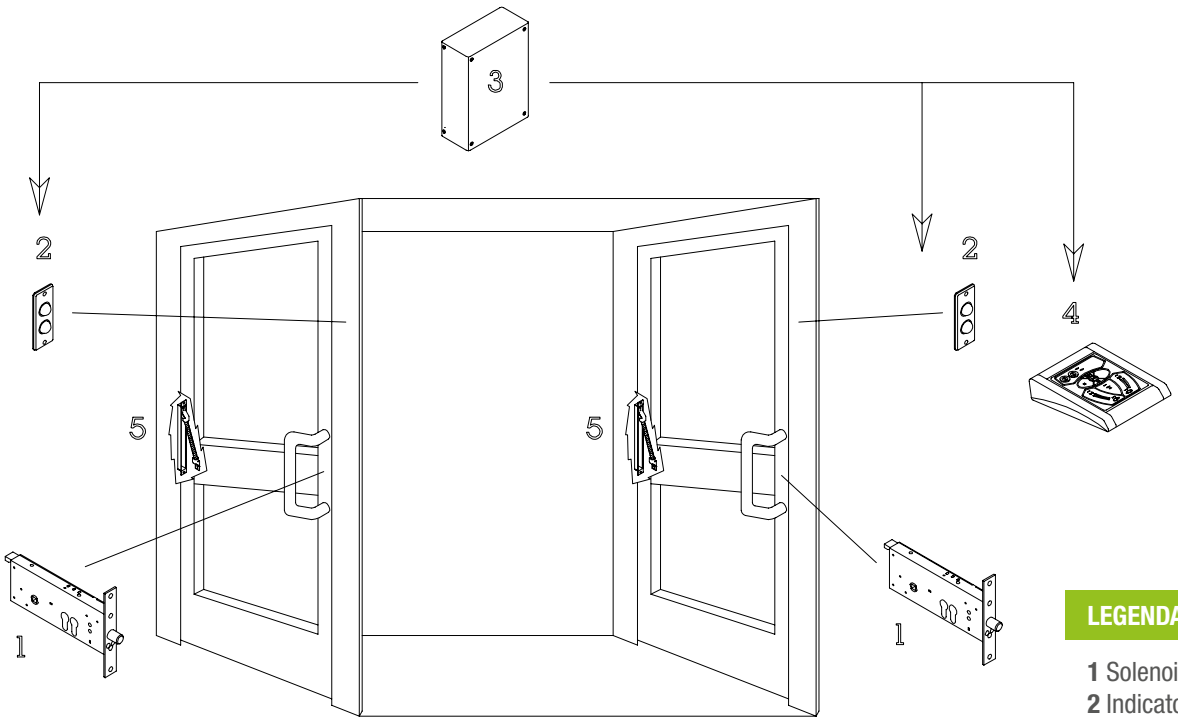
CLOSING SYSTEM WITH CLASSICA SERIE SOLENOID LOCK



LEGENDA

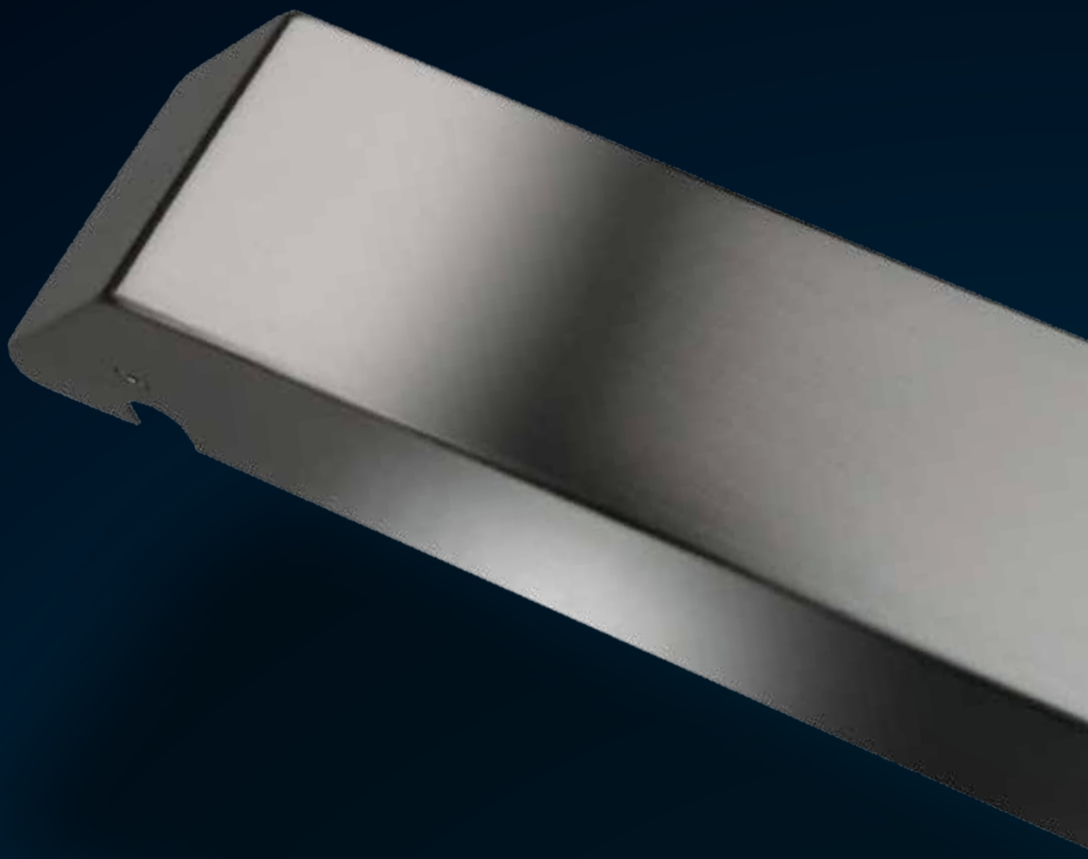
1 Solenoid lock
2 Striking plate
3 Indicator lamp
4 Button
5 Power supply
6 Lead covers

INTERLOCKING SYSTEM WITH CLASSICA SERIE SOLENOID LOCKS



LEGENDA

1 Solenoid lock
2 Indicator lamp
3 Power supply
4 Desktop console
5 Lead covers



GATE BOLT

- SECURITY SOLENOID LOCKS FOR GARAGES AND AUTOMATIC GATES
- ANTI CUTTING HARDENED STEEL REVOLVING BOLT WITH MECHANICAL BLOCK IN CLOSING POSITION
- MANUAL ACTIVATION WITH EUROPEAN CYLINDER
- ENTIRELY IN STAINLESS STEEL, RESISTANT TO WEATHER CONDITIONS EXPOSURE
- ACTIVATION THROUGH GATE REMOTE CONTROL

OPERA

GATE BOLT

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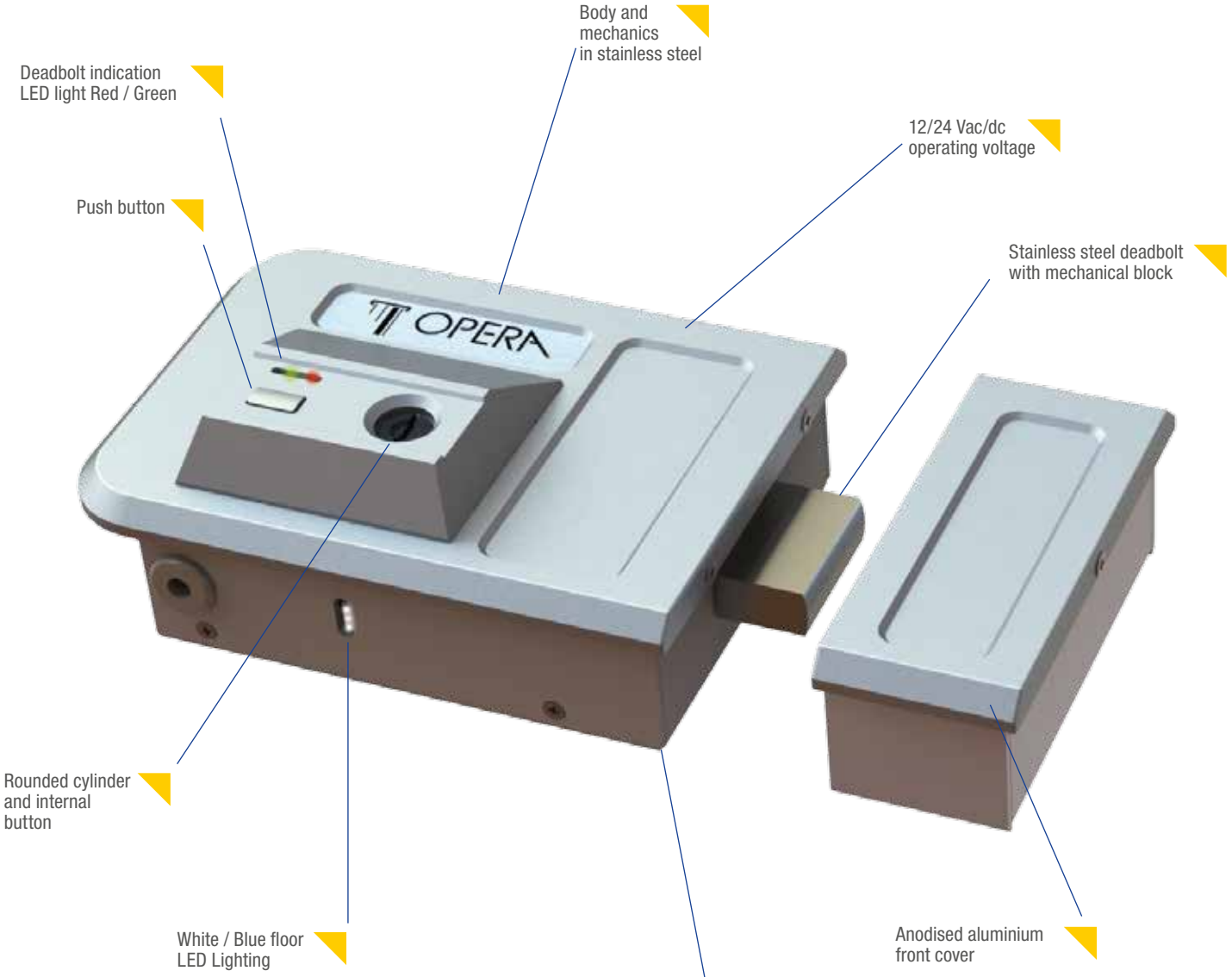
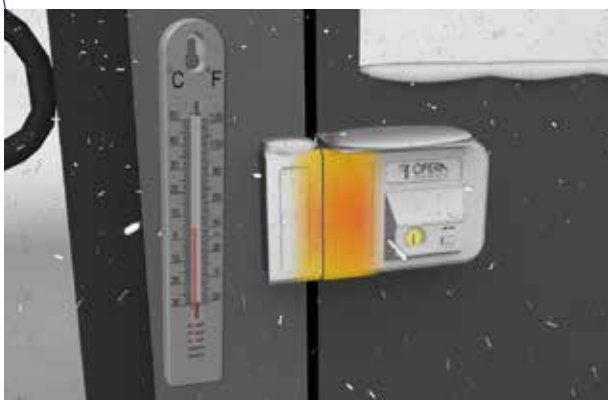


PLUS

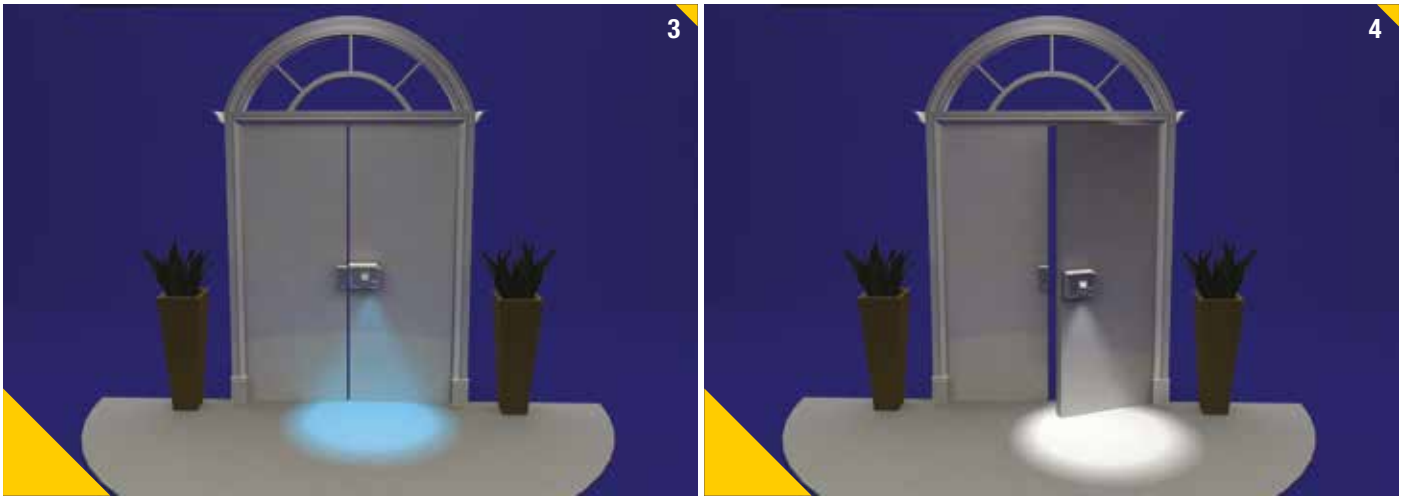
- Rim solenoid lock for gates and doors
- Fail secure deadbolt without power
- Resistant to weather conditions
- Interchangeable with traditional electric locks
- Automatic deadbolt closing
- Rounded cylinder with adjustable entry



This feature is automatically activated when temperature drops below 5°C (41°). The antifreeze protection integrated into the lock body prevents freezing of the mechanical parts, including cylinder

SOLENOID LOCK ON AN EXTERNAL GATE

SOLENOID LOCK ON A DOOR

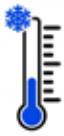


PLUS EXAMPLE

1. Closed gate
2. Open gate
3. Closed door
4. Open door

Serie 28001 - 28003

Serie 28002



With internal self-heating

Art.	Description
	ELECTRIC RIM LOCK FOR GATES **Rim Version** Stainless steel lock body and striking plate Anodized aluminum lock and plate cover Deadbolt closed in case of power failure – fail secure Mechanical opening from outside with round cylinder Adjustable backset mm 50 – 60 - 70 Stainless steel deadbolt dimensions 35 x 12 mm (stroke 25 mm) Burglar resistant device on deadbolt in the closed position Power supply: 12/24Vac/dc Absorbed current 1,2 A peak, 370 mA for maintenance Hall effect sensor for door position Closing timing if door not opened adjustable from 5 s to 60 s Output relay contact C/NO/NC for deadbolt status indication (only M version) Two colour red/green LED for deadbolt open/closed status reporting Nighttime LED ground illumination, blue when deadbolt closed and white when deadbolt open Suitable for outdoor operation – weather proof, **Internal self-heating - when temperature drops below 5°C, coil warms-up to avoid freezing**
	Versions available:
28001.1	Inwards opening with mechanical key – right hand
28001.2	Inwards opening with mechanical key – left hand
28002.1	Inwards opening with knob cylinder – right hand
28002.2	Inwards opening with knob cylinder – left hand
28003.1	Inwards opening with push button or key – right hand
28003.2	Inwards opening with push button or key – left hand
	On request:
	P/N + SC supplied without cylinder (e.g. 28001SC) P/N + N black anodized cover (e.g. 28001N) P/N + BR bronze anodized cover (e.g. 28001BR) P/N + M version with remote deadbolt status relay (e.g. 28001M) P/N + DR version with lifted up cover to suit high security cylinder (e.g.28001DR) P/N + XL version with extended deadbolt + 10mm P/N + P added push button on item 28002
	Use: electric safety lock for indoor/outdoor pedestrian gates and wood condominium external doors

00280	**COVER PLATE** Stainless steel cover plate for mounting the Gate lock on a gate 280 - 281 - 282

	SPACERS
00280C	Stainless steel spacer (1mm) for 280 series striking plate
00280L	Stainless steel spacer (2mm) for 280 series striking plate
00280S	Stainless steel spacer (1mm) for lock 280 series

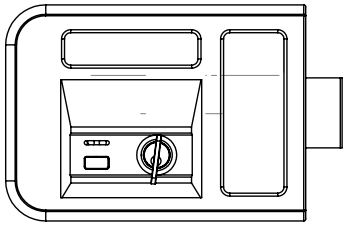
	STRIKING PLATES FOR 280 SERIES (SPARE PART)
00281.1	Striking plate, right hand, silver finish front plate
00281.2	Striking plate, left hand, silver finish front plate
00281.1BR	Striking plate, right hand, bronze finish front plate
00281.2BR	Striking plate, left hand, bronze finish front plate
00281.1N	Striking plate, right hand, black finish front plate
00281.2N	Striking plate, left hand, black finish front plate

Silver finish

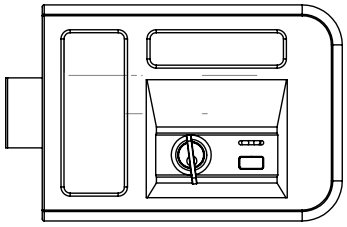
Bronze finish

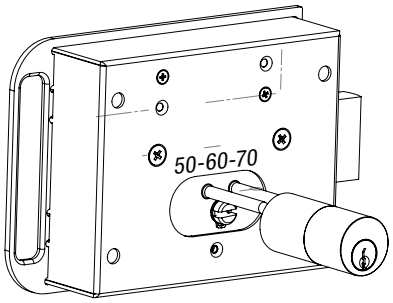
Black finish

Right hand

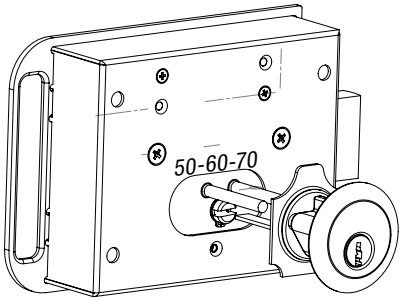


Left hand

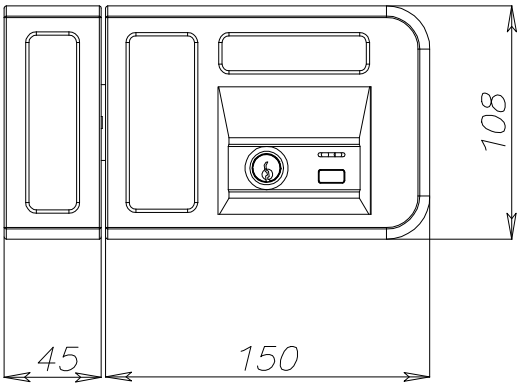


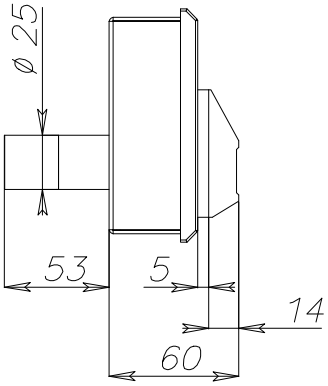


Round cylinder for gates

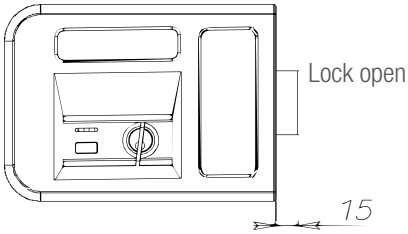


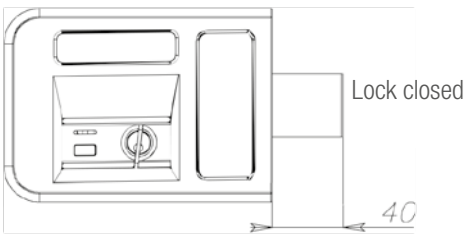
Round cylinder for thimber door
Not supplied





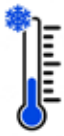
Version XL





GATE BOLT

NEW



With internal self-heating

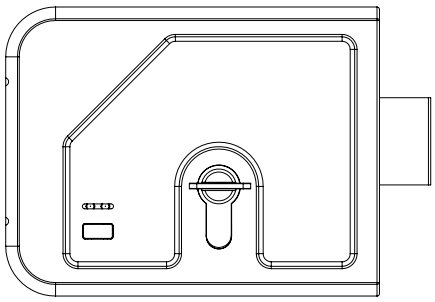
Art.	Description
	MOTORISED ELECTRIC RIM LOCK **Rim Version** Stainless steel lock body and striking plate Anodized aluminum lock and plate cover Deadbolt closed in case of power failure – fail secure Mechanical opening from outside with euro-profile cylinder Backset mm 60 or 80 Stainless steel deadbolt dimensions 35 x 12 mm (stroke 25 mm) Burglar resistant device on deadbolt in the closed position Power supply: 12/24Vac/dc Absorbed current 200mA at 12Vdc Hall effect sensor for door position Closing timing if door not opened adjustable from 5 s to 60 s Output relay contact C/NO/NC for deadbolt status indication (only M version) Two colour red/green LED for deadbolt open/closed status reporting Nighttime LED ground illumination, blue when deadbolt closed and white when deadbolt open Suitable for outdoor operation – weather proof, internal self-heating. When temperature drops below 5°C, coil warms-up to avoid freezing
	Version with euro-profile cylinder – supplied without cylinder:
28201.1.60	Backset 60mm – right hand
28201.2.60	Backset 60mm - left hand
28201.1.80	Backset 80mm – right hand
28201.2.80	Backset 80mm - left hand
	Version with euro-profile cylinder and push button – supplied without cylinder:
28203.1.60	Backset 60mm – right hand
28203.2.60	Backset 60mm - left hand
28203.1.80	Backset 80mm – right hand
28203.2.80	Backset 80mm - left handa
	On request: P/N + N black anodized cover (e.g. 28201N) P/N + BR bronze anodized cover (e.g. 28201BR) P/N + M version with remote deadbolt status relay (e.g. 28201M) P/N + XL version with extended deadbolt + 10mm
	Use: electric safety lock for indoor/outdoor pedestrian gates and wood condominium external doors

Art.	Description
	SPACERS
00282C	Stainless steel spacer (1mm) for 282 series striking plate
00282L	Stainless steel spacer (2mm) for 282 series striking plate
00282S	Stainless steel spacer (1mm) for lock 282 series

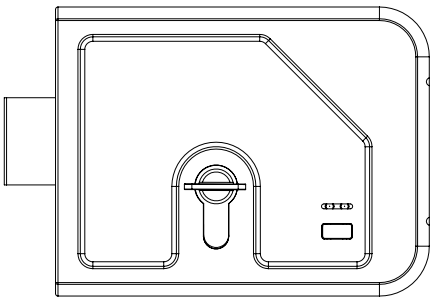
STRIKING PLATES FOR 282 SERIES (SPARE PART)

00282.1	Striking plate, right hand, silver finish front plate
00282.2	Striking plate, left hand, silver finish front plate
00282.1BR	Striking plate, right hand, bronze finish front plate
00282.2BR	Striking plate, left hand, bronze finish front plate
00282.1N	Striking plate, right hand, black finish front plate
00282.2N	Striking plate, left hand, black finish front plate

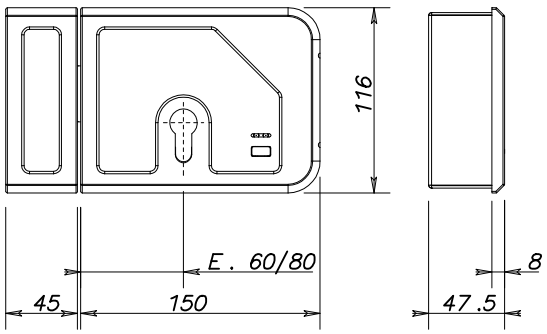
Right hand

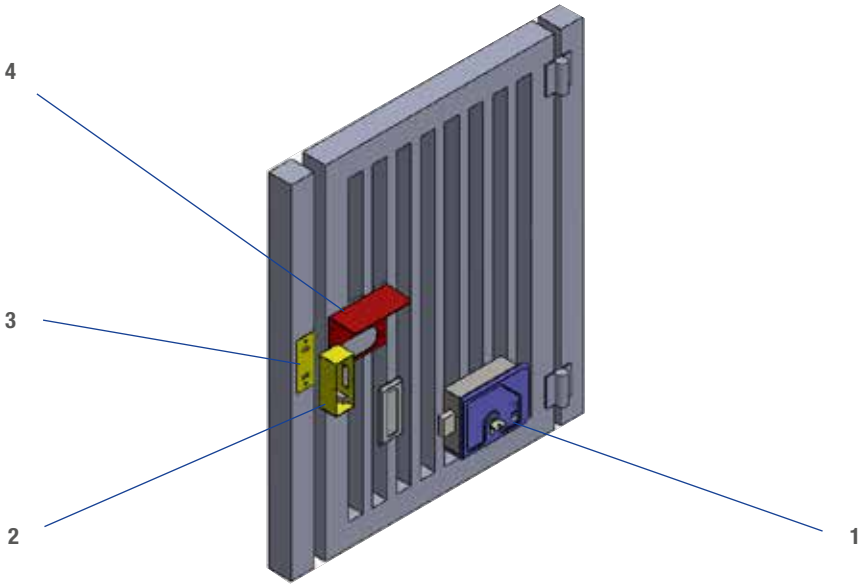


Left hand



Application on a pedestrian gate





LEGENDA

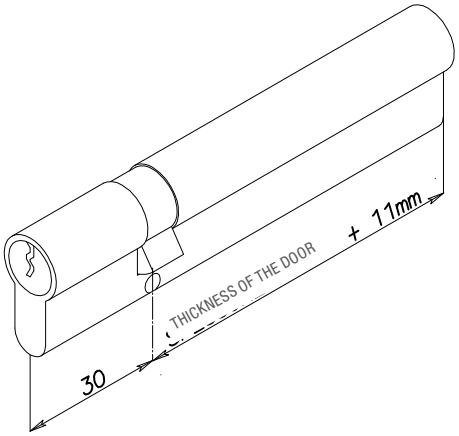
1. Electric lock
2. Striking plate
3. Spacer
4. Cover

GATE BOLT

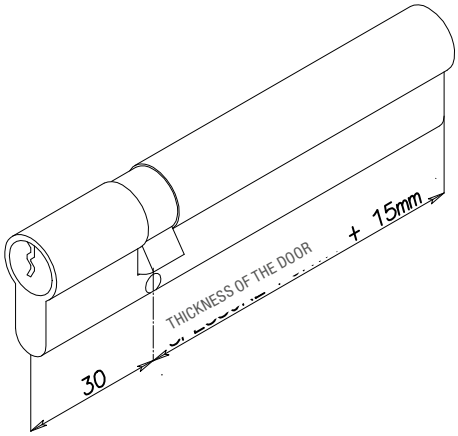
Art.	Description
	SOLENOID LOCK FOR GARAGE DOORS Version: **for surface fixing** Lock body in anti-corrosion treated steel Casing cover in stainless steel (version 28800) Dimensions of the body (mm): 300 x 45 x 42 Mechanical opening and closing with European type cylinder (through bolt hole from both sides) - Provided without cylinder To select the length of the cylinder see page 165 Rubber weather protection of the cylinder hole Deadbolt in steel diameter (mm) 18 x extension 28 (stroke 25) Bolt "total reaction" burglar device in closed position (only version 28700) C. / N.O. / N.C. output contact Operating voltage: 24 Vdc (See item 05332A - page 197) Absorbed current 3 A peak, 300 mA in standby
28700	Fail locked version - Deadbolt closed without power
28710	Fail unlocked version - Deadbolt open without power
Art + OR	**On request:** solenoid lock for horizontal operation
	Use: high security solenoid lock for automatic gates and hinges doors for garages

02290	**FLOOR STRIKE** Stainless steel striking plate for bolt insertion into the floor. For item Art. 28700 – 28710 - 28720 - 28800 and 28800LC Dimension : mm 120 diameter x 5mm thickness

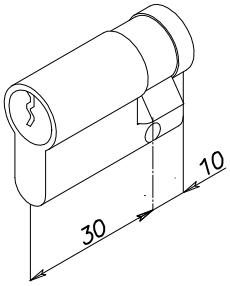
LENGHT OF THE DOUBLE CYLINDER

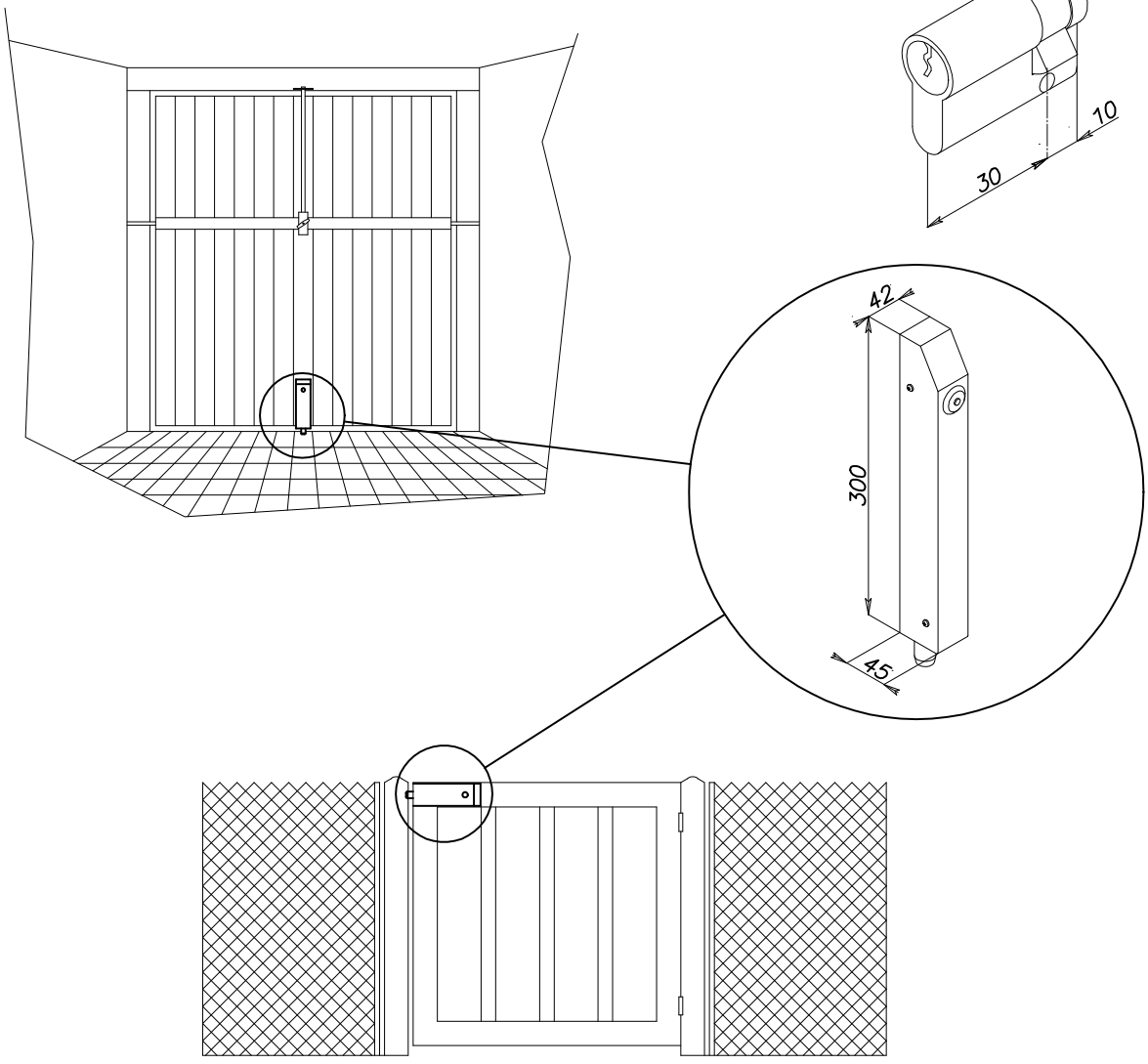


LENGHT OF THE DOUBLE CYLINDER
AND TAMPER DEFENDER ITEM CODE 02250



LENGHT OF THE HALF CYILINDER





Art.	Description

NEW

MOTOR DEADBOLT FOR AUTOMATIC GATES LEGION SERIES

Version: for surface fixing
Lock body in stainless steel, aluminium cover with plastic ends
Dimensions: 515 x 42 x 58

Mechanical opening with Euro-profile cylinder (from both sides)
Cylinder not included - stainless steel fixing plate included
To select the length of the cylinder see page 167

Steel made bolt diameter (mm) 18 x extension 55 (stroke 55)
Bolt “total reaction” burglar device in closed position

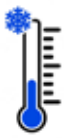
C. / N.O. / N.C. output contact
Operating voltage: 10 - 30Vdc
Absorbed current 300Ma at 12vDC
Internal self-heating – when temperature drops under 5°C , coil warms-up to avoid freezing.

Time adjustment between 0-5 seconds from re-locking after door opening and between 0-60 seconds if door is not opened

Fail locked version - Deadbolt closed without power

28720 Carter in satin anodised finish
28720N Carter in black anodised finish

Use: high security solenoid lock for automatic gates. It can be used downward, upward and horizontally.



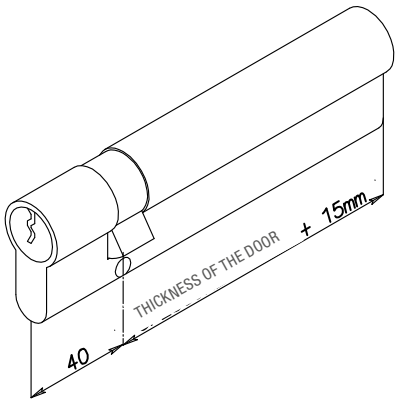
With internal self-heating

02290

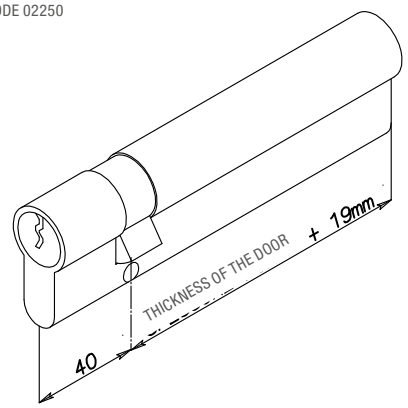
FLOOR STRIKE

Stainless steel striking plate for bolt insertion into the floor.
For item 28700 – 28710 - 28720 – 28800 – 28800LC
Dimension : mm 120 diameter x 5mm thickness

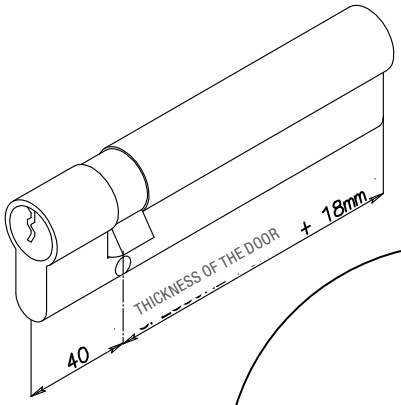
LENGHT OF THE DOUBLE CYLINDER
WITHOUT UNDER PLATE



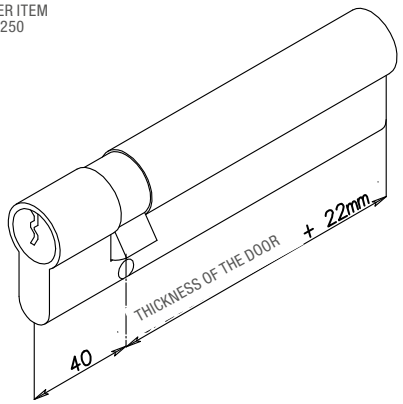
LENGHT OF THE DOUBLE CYLINDER
WITHOUT UNDER PLATE
AND TAMPER DEFENDER ITEM
CODE 02250



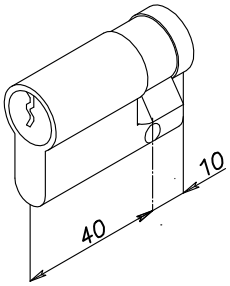
LENGHT OF THE DOUBLE CYLINDER
WITH UNDER PLATE

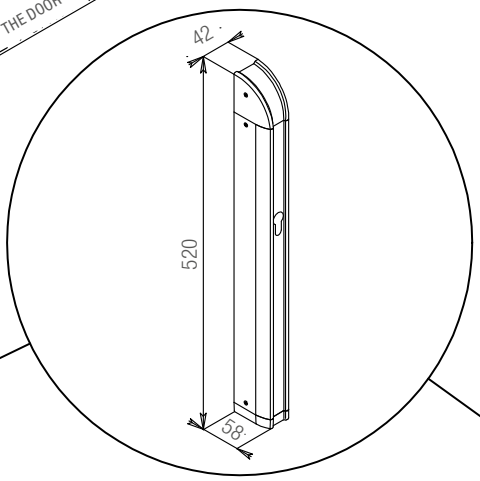


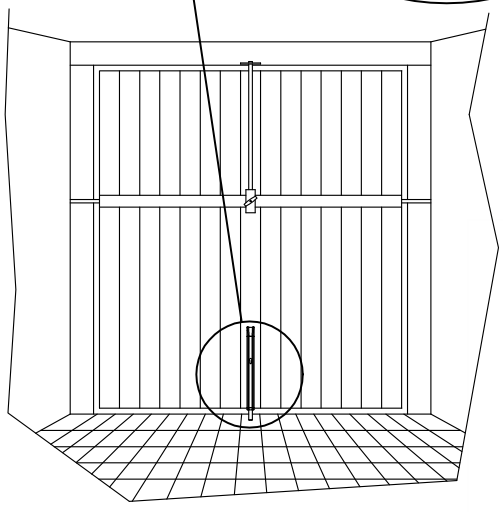
LENGHT OF THE DOUBLE CYLINDER
WITH UNDER PLATE AND TAMPER
DEFENDER ITEM
CODE 02250

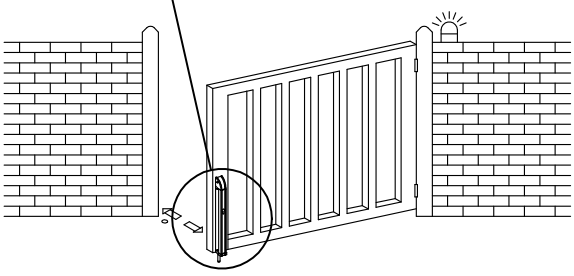


LENGHT OF THE HALF CYILINDER









×

GATE BOLT

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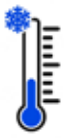


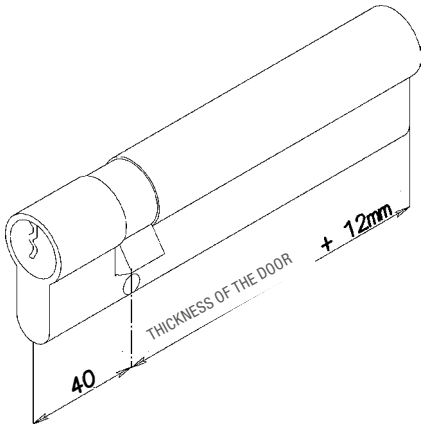
+5°C
With internal self-heating

Art.	Description
	SOLENOID LOCK FOR AUTOMATIC GATES **Version: for surface fixing** Lock body in stainless steel, aluminium and anti-corrosion treated steel Casing cover in stainless steel (version 28800) Casing cover in black painted steel (version 28800LC) Flat fixing plate in stainless steel to be welded (version 28800) Dimensions of the body (mm): 335 x 60 x 55 Mechanical opening with Euro-profile cylinder (from both sides) Provided without cylinder To select the length of the cylinder see page 169 Rubber weather protection of the cylinder hole Deadbolt in steel diameter (mm) 20 x extension 60 (stroke 50) Bolt "total reaction" burglar device in closed position C. / N.O. / N.C. output contact Operating voltage : 24 Vdc Absorbed current 5 A peak, 750/900 mA in standby **Internal self-heating – when temperature drops under 5°C , coil warms-up to avoid freezing. (standard in 28800 version)** Fail locked version - Deadbolt closed without power
28800	Carter in stainless steel with fixing plate item 02288
28800LC	Carter in black painted steel without fixing plate item 02288
	On request:
Art. + OR	Solenoid lock for horizontal operation
Art + MIC	Solenoid lock with anti-tamper protection and microswitch
Art. + W	Version with internal self-heating 28800LC
	Use: high security solenoid lock for automatic gates

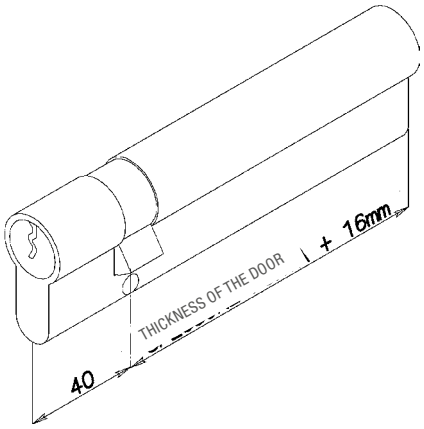
02288	**FIXING PLATE FOR GATE LOCK - REPLACEMENT** Flat plate in stainless steel for fixing of solenoid lock item 28800 and 28800LC to the gate. Supplied in ref 28800

02290	**FLOOR STRIKE** Stainless steel striking plate for bolt insertion into the floor. For item 28700 – 28710 - 28720 – 28800 – 28800LC Dimension : mm 120 diameter x 5mm thickness

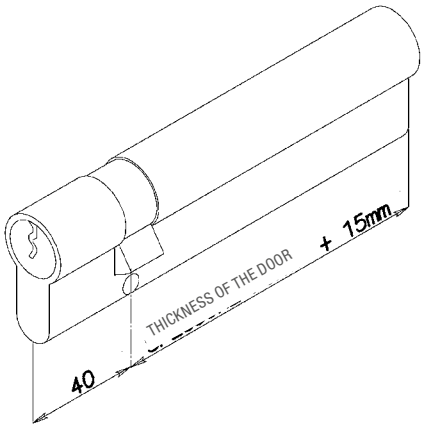
LENGHT OF THE DOUBLE CYLINDER
WITHOUT UNDER PLATE



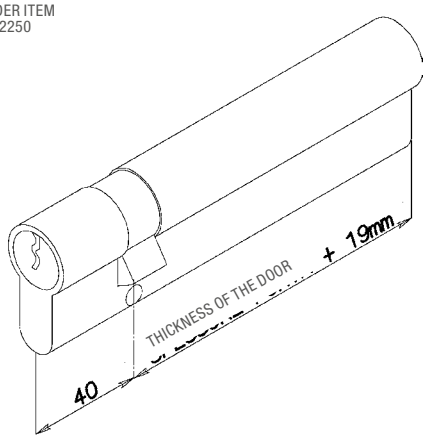
LENGHT OF THE DOUBLE CYLINDER
WITHOUT UNDER PLATE
AND TAMPER DEFENDER ITEM
CODE 02250



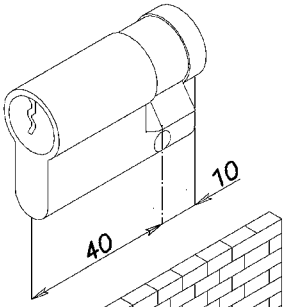
LENGHT OF THE DOUBLE CYLINDER
WITH UNDER PLATE

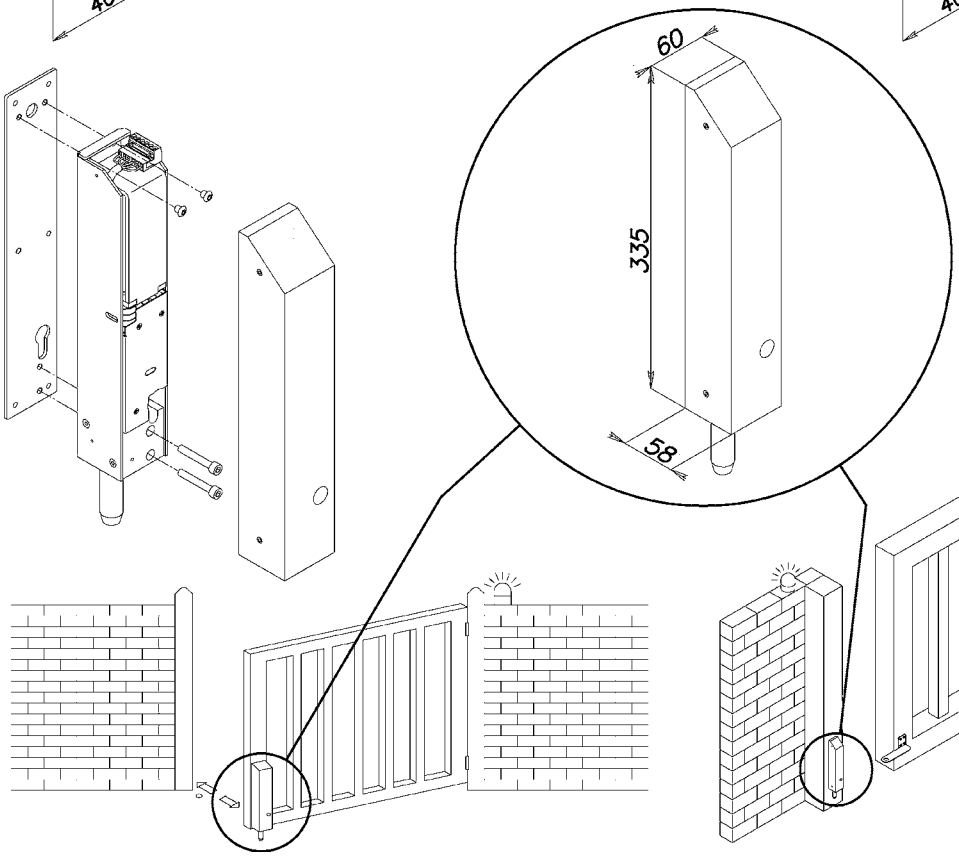


LENGHT OF THE DOUBLE CYLINDER
WITH UNDER PLATE AND TAMPER
DEFENDER ITEM
CODE 02250



LENGHT OF THE HALF CYILINDER





MAXIMA

- HIGH SECURITY MOTORISED LOCKS
- SWINGING DEADBOLT WITH ANTI CUTTING MECHANICAL BLOCK
- MANUAL ACTIVATION WITH EUROPEAN CYLINDER
- HOOK VERSION FOR SLIDING DOORS
- CONTROL UNIT FOR SINGLE AND INTERLOCKED DOORS

OPERA

MAXIMA

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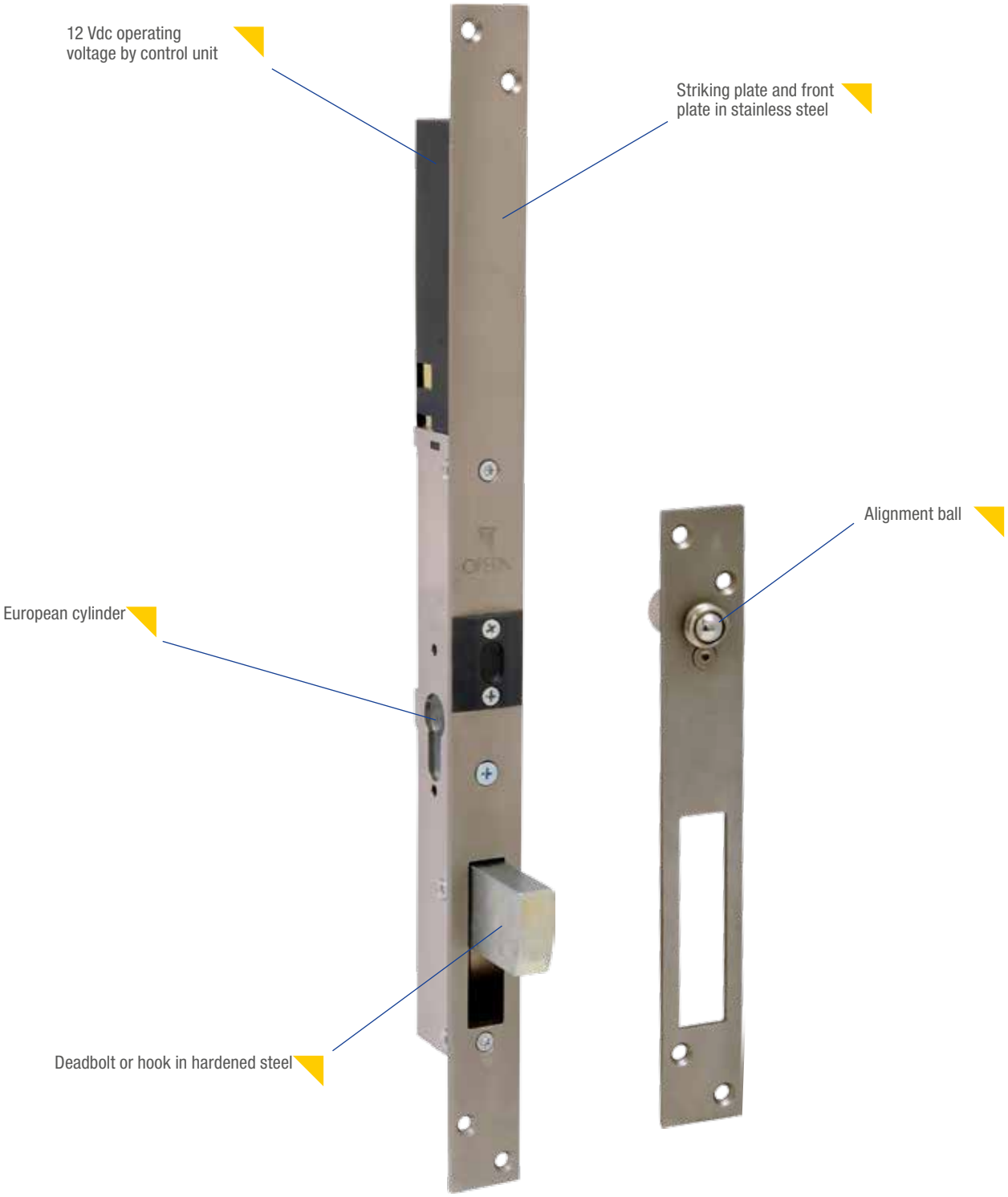
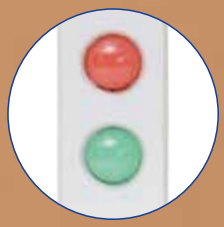


PLUS

- High security motorised lock
- Swinging deadbolt with anti cutting mechanical block in closing position
- Deadbolt hook version for sliding doors
- Quick execution of the opening and closing commands
- High resistance to breaking and entering
- Mechanical opening and closing with European cylinder

INTERNAL OPENING

EXTERNAL OPENING



PLUS EXAMPLE

1 Door jamb solenoid lock for reinforced and metal profiles
2 Single or interlocked doors management
3 Mounting on the frame or the door shutter
4 To be matched with intercom and access control systems

Art.	Description
	MOTORISED LOCK Mechanical opening with European type cylinder **(cylinder with internal knob not usable)** Striking plate in stainless steel (mm): 440 x 30 x 3 Armature plate in stainless steel with anti-rebound ball-catch (stroke adjustable at exit to 15 mm.): 216 x 30 x 3 mm. Swinging deadbolt in hardened anti-cutting steel (mm) 35 x 14 x extension 40 Lock body dimensions on page 176 Deadbolt mechanical block in closed position Magnetic sensor with N.O. contact for verification of the door position to be inserted on the door frame. Magnet and sensor adjustable in extension up to 25 mm Output cable to the motor unit with rapid plug-in connector Operating voltage: 12 Vdc from control electronics Maximum current consumption 4 A peak with electronic control limiter Maximum activation time: 0.15 seconds Opto-electronic bolt position control
25500 20	Backset (mm): 20
25500 25	Backset (mm): 25
25500 30	Backset (mm): 30
25500 35	Backset (mm): 35
25500 50	Backset (mm): 50
	Use: high security solenoid lock for single hinged doors or interlocking systems. Management by control electronics Art. 54250 and 54255.
	MOTORISED LOCK WITH HOOK DEAD BOLT Mechanical opening with European type cylinder **(cylinder with internal knob not usable)** Mechanical and electronic characteristics are the same as the previous article except: Swinging hook deadbolt in hardened anti-cutting steel (mm) 35 x 14 x extension 40
25511 20	Backset (mm): 20
25511 25	Backset (mm): 25
25511 30	Backset (mm): 30
25511 35	Backset (mm): 35
25511 50	Backset (mm): 50
	Use: high security solenoid lock for single sliding doors or interlocking systems. Management by control electronics Art. 54250 and 54255
04925	**MOTOR UNIT (SPARE PART)** **Use:** spare motor unit for motorised locks article 25500 and 25511
02250L	**TAMPER DEFENDER** Matt chromium plated body in hardened steel Dimensions (mm): 90 x 30 x 15 Fixing with through bolt holes from the inside of the door Usable with cylinders which protrude up to 4 mm. **Use:** tamper defender for security cylinders Can be used with all cylinders mounted on Maxima electromechanical locks

Art.	Description

54250

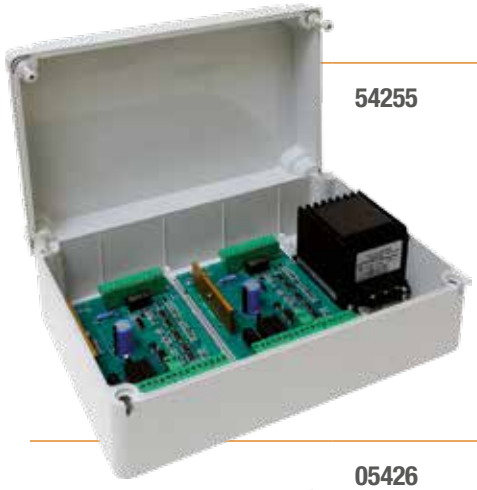
ELECTRONIC CONTROL UNIT

For management of one door

Box in grey ABS, dimensions (mm) 240 x 150 x 48
Operating voltage: 10-12 Vac / 65 V.A, 12 Vdc / 3 A
Absorbed current: 100 mA in stand-by / 4 A at peak of electromechanical lock
Ready for interlocking connection of 2 or more doors
Inputs with N.O. contacts for:
- Opening
- Block or Metal Detector
- Emergency
- Bolt position (opto-electronic)
- Door position

Outputs:
- Double switching relay C./N.O./N.C for deadbolt status signalling and for connection to indicator lamps
- Fault Alarm Open Collector Contact
- Possibility of connection in cascade to interlock several doors with each other (to be connected one for each door to be controlled)
- Automatic relocking after 0.5 seconds (selectable at 1 second) upon approach of the door
- Automatic relocking after 6 seconds (selectable at 13 seconds) if the door is not opened
- Automatic repetition of the command received if not executed in opening with 4 consecutive attempts
- Automatic repetition of the command received if not executed in closing with 4 consecutive attempts
- Electronic control and protection of non-executed command

Use: electronic control unit for timed and/or interlocking management of electromechanical locks Maxima series 25500 and 25511



54255

ELECTRONIC CONTROL UNIT

For management of two doors

Box in wall mount ABS, dimensions (mm) 300 x 225 x 130
Operating voltage: 230 Vac (internal transformer)
Same electrical and operational characteristics as item 54250 but for management of 2 doors in interlocking configuration

Use: electronic control unit for timed and/or interlocking management of electromechanical locks Maxima series 25500 and 25511

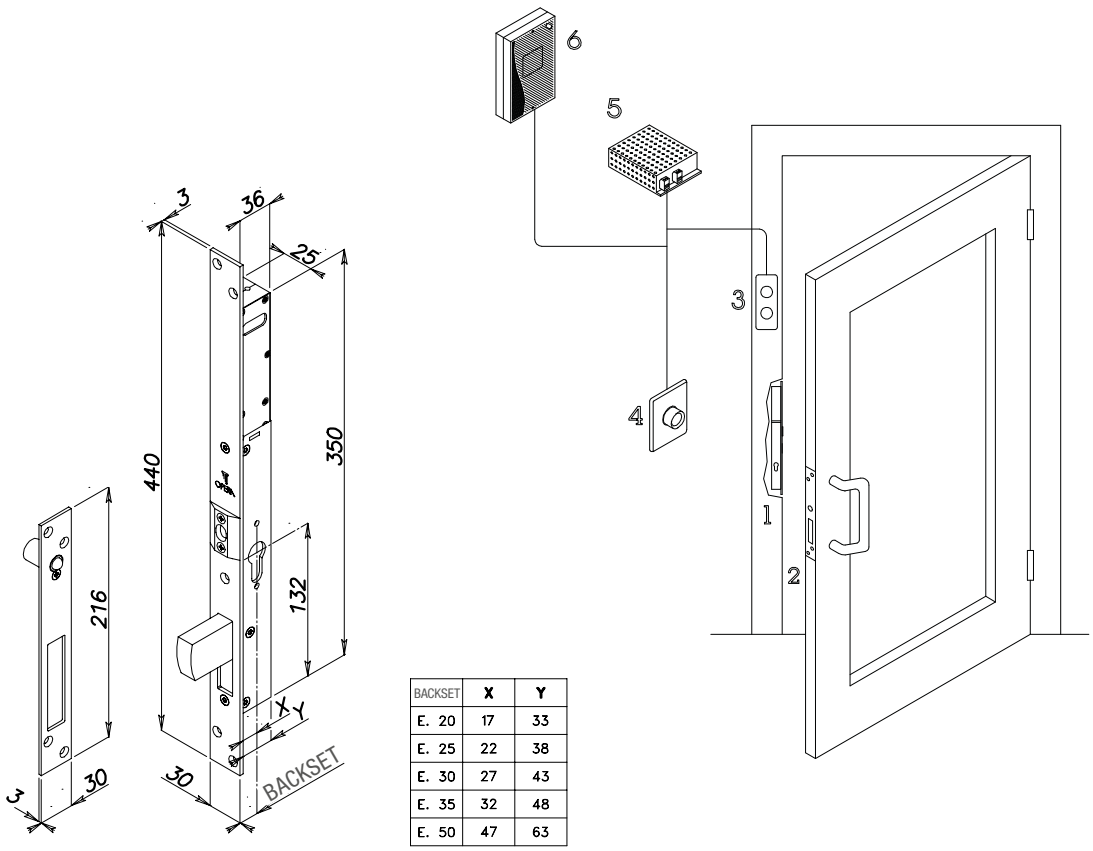
05426

MULTI-POLE CABLE

Multi-pole cable 2 x 1 sq mm. + 8 x 0.22 with the same colouring as the cable on the electromechanical lock motor unit
Per metre

Use: cable for systems with electromechanical lock Maxima series 25500 and 25511

CLOSING SYSTEM WITH MAXINA SERIE SOLENOID LOCK

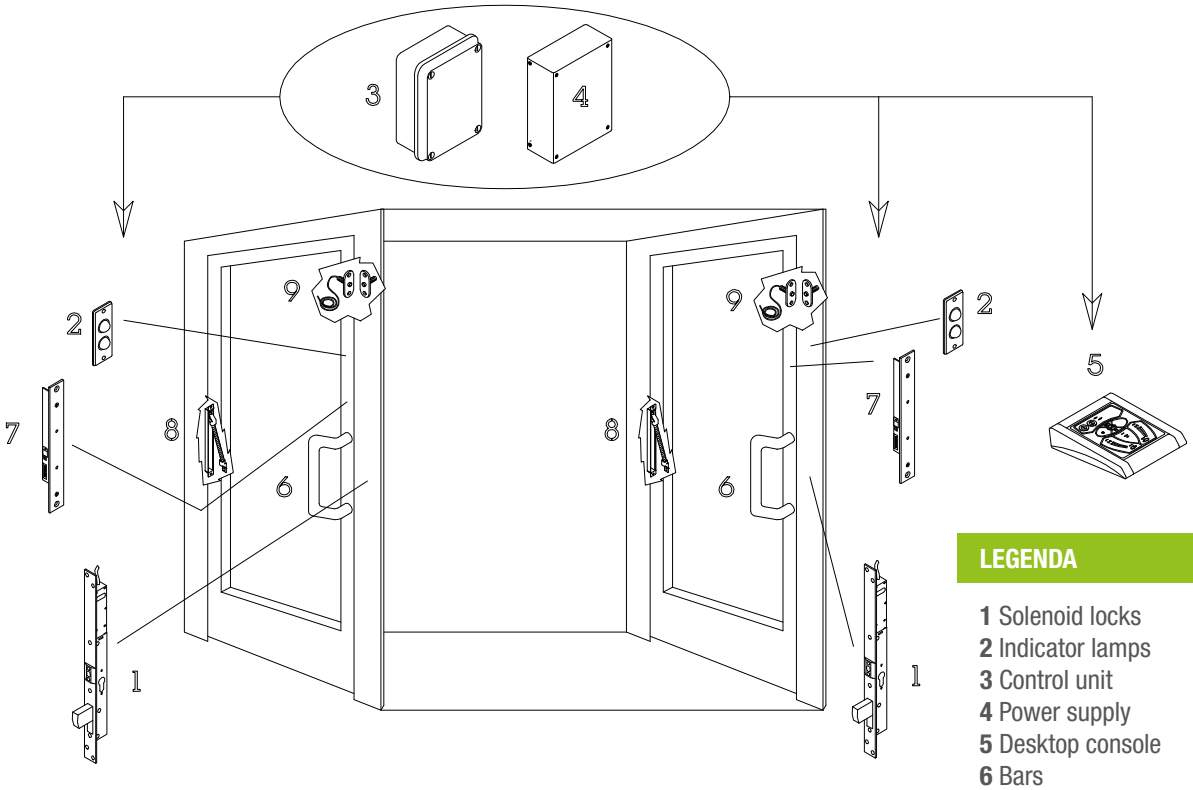


BACKSET	X	Y
E. 20	17	33
E. 25	22	38
E. 30	27	43
E. 35	32	48
E. 50	47	63

LEGENDA

1 Solenoid lock
2 Striking plate
3 Indicator lamps
4 Button
5 Power supply
6 Control unit

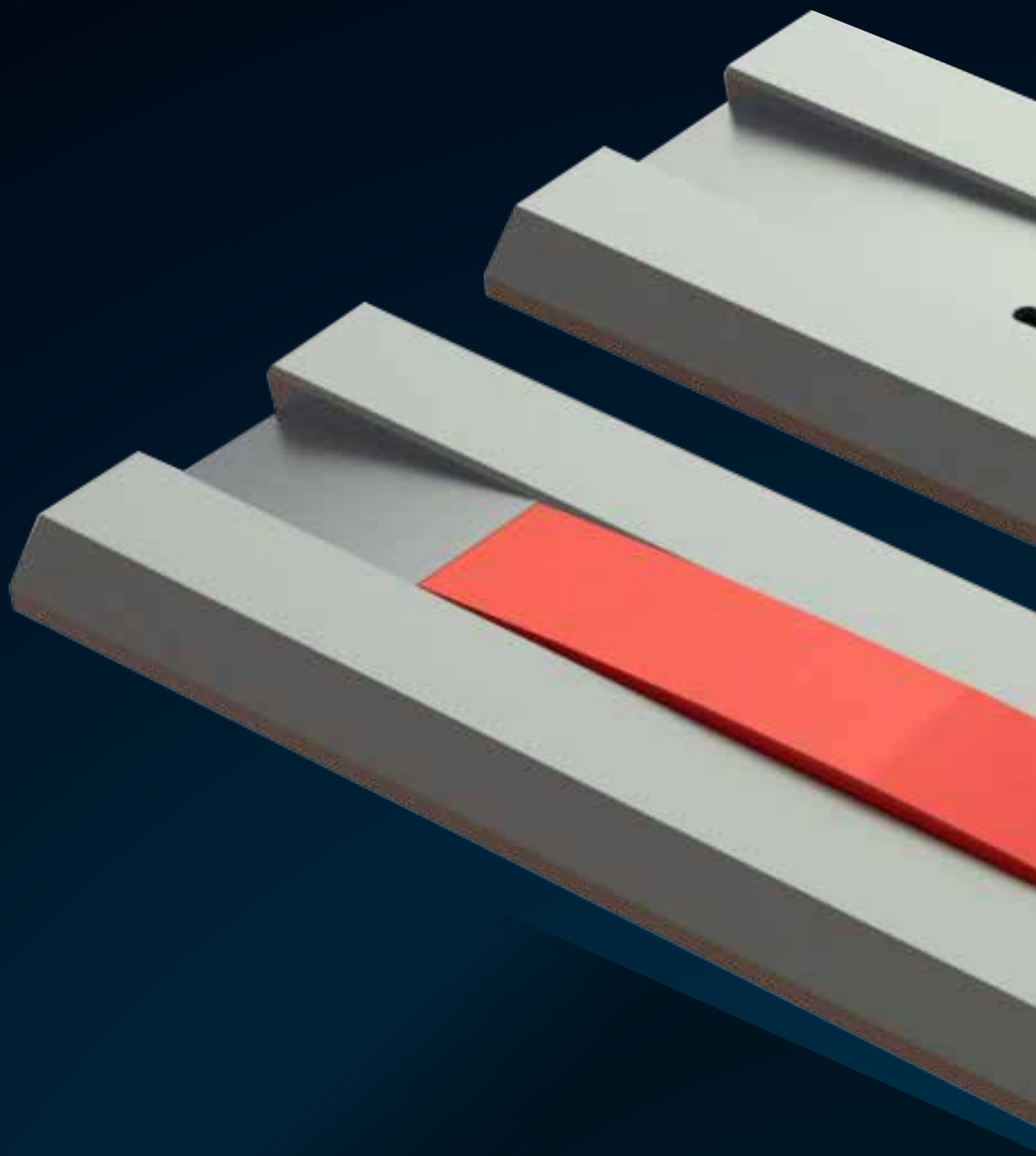
INTERLOCKING SYSTEM WITH MAXIMA SERIE SOLENOID LOCKS



LEGENDA

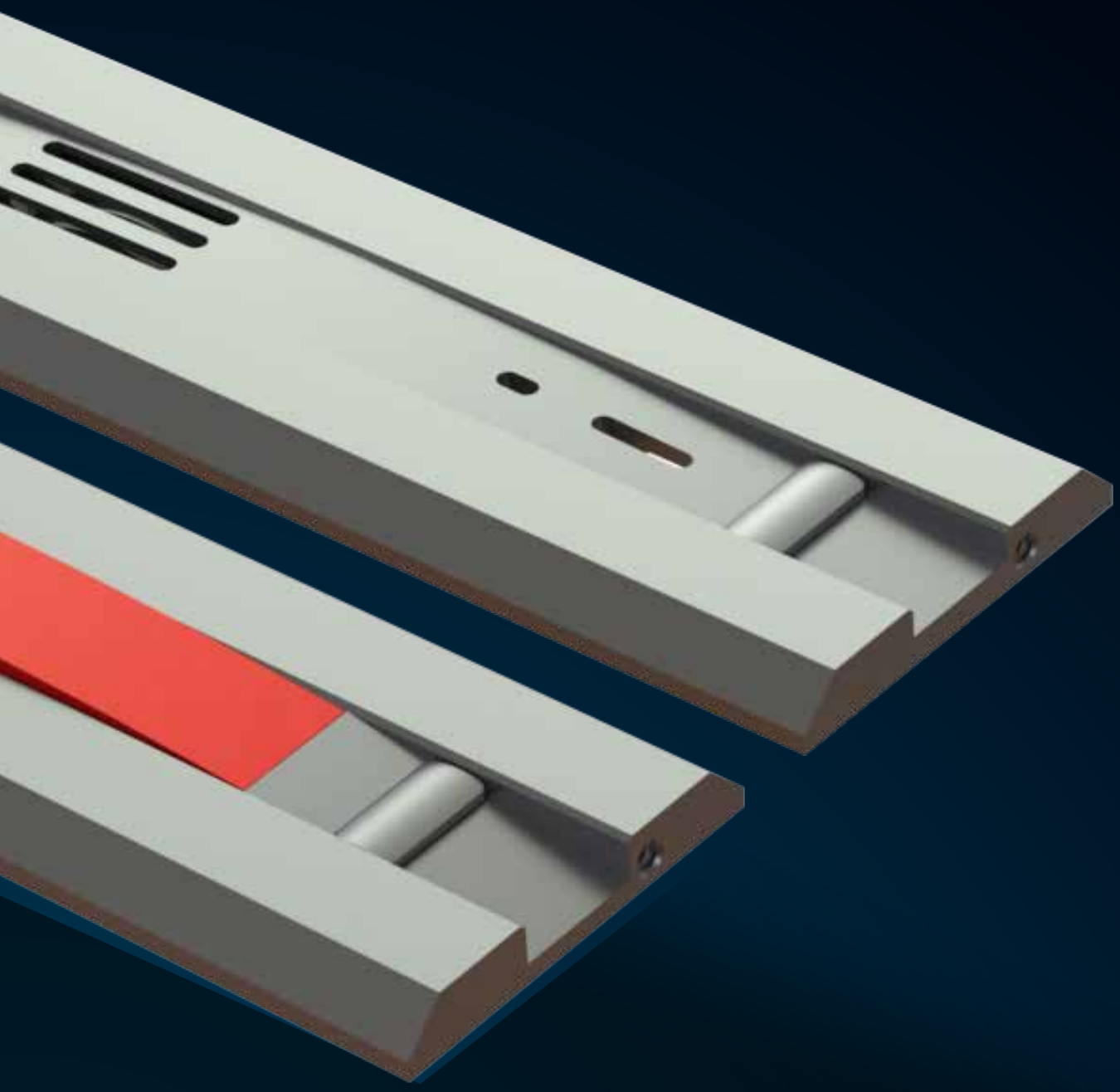
1 Solenoid locks
2 Indicator lamps
3 Control unit
4 Power supply
5 Desktop console
6 Bars
7 Sensitive cards
8 Lead covers
9 Magnetic sensors

Art.	Description
03510	**VERTICAL HANDLE** Vertical handle with elbows in plastic and central tube in silver anodized aluminium 300 mm. (longer lengths available on request) Elbow with 4 through wires ready for connection to sensitive board Art. 53500 **On request:** dark brown, black or painted red, yellow, green tube
03520	**HORIZONTAL HANDLE** Horizontal handle with elbows in plastic and central tube in silver anodized aluminium 300 mm. (longer lengths available on request) Elbow with 4 through wires ready for connection to sensitive board Art. 53500 **On request:** dark brown, black or painted red, yellow, green tube
03515	**VERTICAL HANDLE** Vertical handle entirely in black painted aluminium 395 mm. ready for connection to sensitive board Art. 53501 **On request:** painted red or yellow
03525	**HORIZONTAL HANDLE** Horizontal handle entirely in black painted aluminium 395 mm. ready for connection to sensitive board Art. 53501 **On request:** painted red or yellow
53500	**SENSITIVE BOARD** Sensitive board with contact plate for insertion inside tube for handles Art. 03510 and 03520 Dimensions (mm): 120 x 15 x 17 Operating voltage: 12 - 24 Vdc Absorbed current: 10 mA in stand-by / 50 mA with relay activated Relay in switching: 2 A @ 24 Vdc / 1 A @ 120 Vac Sensitivity adjustment trimmer. Indicator LED of sensitivity calibration Stable output contact with relay C./N.O./N.C **Note:** the sensitivity board is not suitable for operation with Prima and Classica series solenoid locks.
53501	**SENSITIVE BOARD WITH FRONT PLATE** Sensitive board ready for connection to handles Art. 03515 and 03525 Same electrical characteristics as Art. 53500 Front plate in anodized aluminium for insertion in the door profile Front plate dimensions (mm): 200 x 25 x 2 Dimensions (mm): 120 x 15 x 17 Hole for sensitivity adjustment trimmer Hole for sensitivity calibration indicator LED **Note:** the sensitivity board is not suitable for operation with Prima and Classica series solenoid locks.
44000	**PUSH BAR SWITCH (NO LATCH)** Push Bar type with base in steel and horizontal activation bar in silver anodized aluminium Dimensions (mm): 860 (can be shortened up to 550 mm.) x h 60 bar x 68 thickness Mechanical block with bar pressed for the “open” release lever function Micro-switch with C./N.O./N.C contact rated 24 V / 5 A Hand: reversible **Use:** electric command for release of security electromagnets



IPROFILO

- ELEGANT AND INNOVATIVE INDICATOR LAMPS SERIE
- HIGH EFFICIENCY LED LIGHTING
- STANDARD RED / GREEN VERSION AS DOOR STATUS INDICATORS
- WHITE / BLUE VERSION AS LIGHTING SYSTEM OR STEP LIGHT
- REDUCED DIMENSIONS FOR INSERTION ON NARROW DOORS
- EXTERNAL INTERCOM VERSION WITH THE SAME DIMENSIONS



PROFILO

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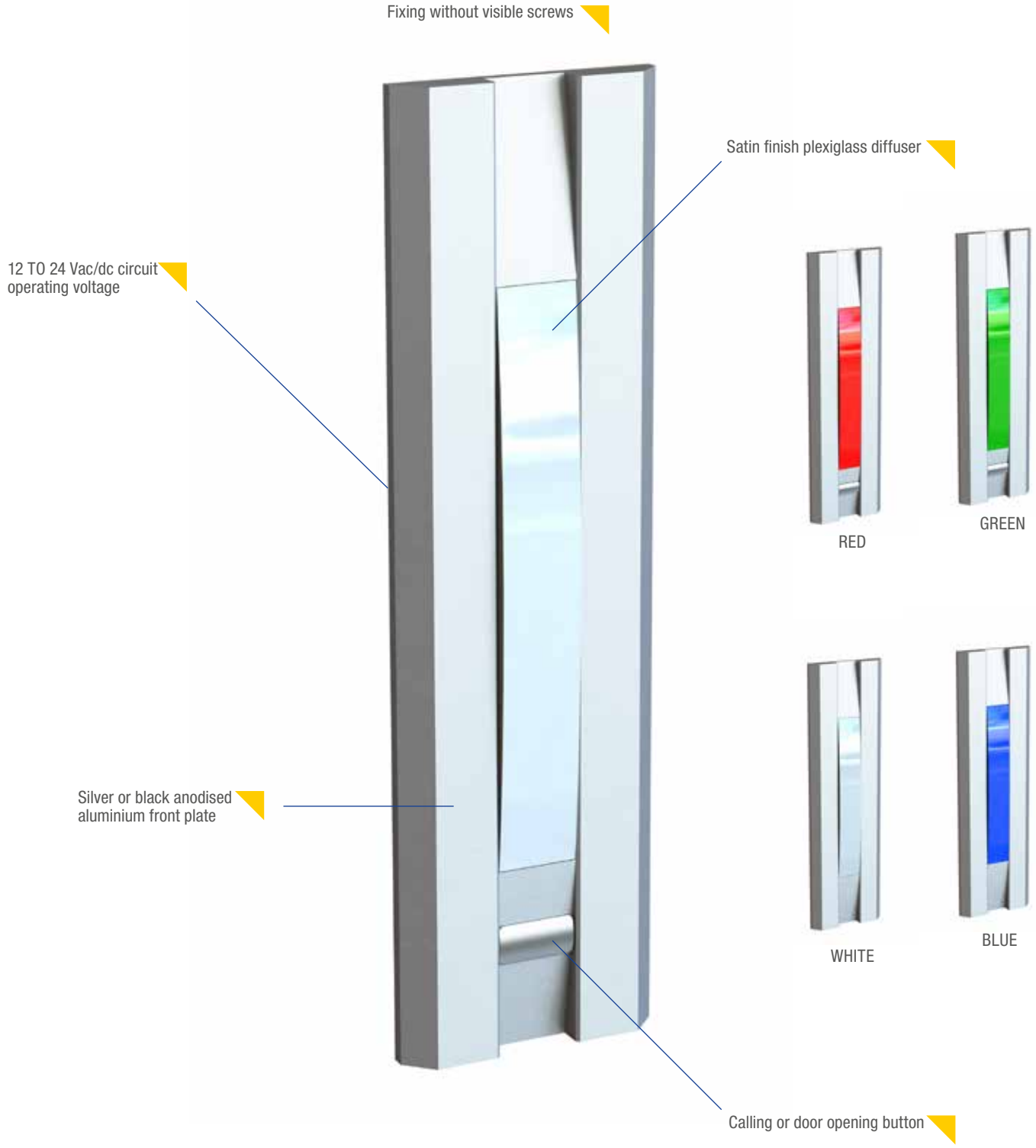


PLUS

- Elegant and innovative indicator lamps serie
- High efficiency LED lighting
- Standard Red / Green version as door status indicators
- White / Blue version as lighting system or step light
- Reduced dimensions for insertion on narrow doors
- External intercom version with the same dimensions

PLUS EXAMPLE

1 Closed door status indicator
2 Open door status indicator
3 Indicator for lighting and step light

Art.	Description

RED / GREEN INDICATOR LAMP

Front plate in anodized aluminium
External dimensions (mm) 140 x 40 x 6
Internal circuit dimensions (mm): 118 x 46 x 17
Operating Voltage 12/24 Vac/dc – 30 mA with LED on
Red / green high efficiency LED signalling
Selection jumper for fixed or flashing light

55030 Silver front plate
55030BR Bronze front plate
55030N Black front plate

On request: White / blue light

RED / GREEN INDICATOR LAMP WITH PUSH BUTTON

Front plate in anodized aluminium
External dimensions (mm) 140 x 40 x 6
Internal circuit dimensions (mm): 118 x 46 x 17
Operating Voltage 12/24 Vac/dc – 30 mA with LED on
Red / green high efficiency LED signalling
Selection jumper for fixed or flashing light
Opening or call push button with N.O. contact

55031 Silver front plate
55031BR Bronze front plate
55031N Black front plate

On request: White / blue light

INTERCOM PORTER

Front plate in anodized aluminium
External dimensions (mm) 140 x 40 x 6
Internal circuit dimensions (mm): 118 x 28 x 19
Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
Call push button with blue signalling LED for handset connection
Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems
Separate adjustment of loudspeaker and microphone volumes via trimmers

55033 Silver front plate
55033BR Bronze front plate
55033N Black front plate

Art.	Description

RED / GREEN INDICATOR LAMP

Front plate in anodized aluminium
External dimensions (mm) 105 x 40 x 5
Internal circuit dimensions (mm): 80 x 26 x 16
Operating Voltage 12/24 Vac/dc – 60 mA with LED on
Red / green high efficiency LED signalling diameter (mm) 20
Selection jumper for fixed or flashing light
Command for LED selection with N.O. contacts

55010	Silver front plate
55010N	Black front plate
55010BR	Bronze front plate
55010GD	Anodized gold front plate

RED / GREEN INDICATOR LAMP WITH PUSH BUTTON

Front plate in anodized aluminium
External dimensions (mm) 140 x 40 x 5
Internal circuit dimensions (mm): 100 x 26 x 16
Operational and electrical characteristics of the lamp indicator section are the same as article 55010
Opening or call push button with N.O. contact – N.C on demand

55011	Silver front plate
55011N	Black front plate
55011BR	Bronze front plate
55011GD	Anodized gold front plate

RED / GREEN INDICATOR LAMP WITH PUSH BUTTON FOR INTERCOM CALL AND PORTER

Front plate in anodized aluminium
External dimensions (mm) 186 x 40 x 5
Internal circuit dimensions (mm): 162 x 33 x 16
Operational and electrical characteristics of the lamp indicator section are the same as article 55010
Porter intercom:
Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
Call push button with blue signalling LED for handset connection
Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems
Separate adjustment of loudspeaker and microphone volumes via trimmers

55012	Silver front plate
55012N	Black front plate
55012BR	Bronze front plate
55012GD	Anodized gold front plate

Art.	Description

OUTDOOR PORTER INTERCOM

Front plate in anodized aluminium
External dimensions (mm) 105 x 40 x 5
Internal circuit dimensions (mm): 80 x 33 x 16
Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
Call push button with blue signalling LED for handset connection
Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems
Separate adjustment of loudspeaker and microphone volumes via trimmers

55013	Silver front plate
55013N	Black front plate
55013BR	Bronze front plate
55013GD	Anodized gold front plate

RED / GREEN INDICATOR LAMP WITH PUSH BUTTON FOR OPENING, CALL AND PORTER INTERCOM

Front plate in anodized aluminium
External dimensions (mm) 210 x 40 x 5
Internal circuit dimensions (mm): 183 x 33 x 16
Operational and electrical characteristics of the lamp indicator section are the same as article 55010
Porter intercom:
Operating voltage: 12 Vdc - 10 mA in stand-by / 100 mA in operation
Release push button for automatic opening
Call push button with blue signalling LED for connection with the inside
Amplified system with loudspeaker and microphone compatible with standard 5 wire intercom systems
Separate adjustment of loudspeaker and microphone volumes via trimmers

55014	Silver front plate
55014N	Black front plate
55014BR	Bronze front plate
55014GD	Anodized gold front plate

AVAILABLE FINISHES

Silver | Gold (GD) | Bronze (BR) | Black (N)

Art.	Description
0P04500 56	**ALT / AVANTI INDICATOR LAMP** **(interchangeable with the Yale-corni traffic lights)** Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 195 x 40 x 3,5 Internal circuit dimensions (mm): 135 x 35 x 25 Operating Voltage 12/24 Vac/dc – 25 mA Red / green high efficiency LED Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts

0P04500 58	**ALT / AVANTI INDICATOR LAMP WITH INTERCOM FACILITIES** **(interchangeable with the Yale-corni traffic lights)** Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 195 x 40 x 3,5 Internal circuit dimensions (mm): 175 x 35 x 30 Operating Voltage 12/24 Vac/dc – 25 mA Red / green high efficiency LED Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts With loudspeaker and microphone Opening or call push button with N.O. contact To be used with porter 05515 – see page 186

0P04501 56	**RED / GREEN INDICATOR LAMP** **(interchangeable with the Yale-corni traffic lights)** Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 160 x 40 x 3,5 Internal circuit dimensions (mm): 100 x 36 x 25 Operating Voltage 12/24 Vac/dc – 25 mA Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts

0P04501 58	**RED / GREEN INDICATOR LAMP WITH INTERCOM FACILITIES** **(interchangeable with the Yale-corni traffic lights)** Front plate in anodized aluminium with black polycarbonate film External dimensions (mm) 160 x 40 x 3,5 Internal circuit dimensions (mm): 141 x 37 x 30 Operating Voltage 12/24 Vac/dc – 25 mA Selection jumper for fixed or flashing light Command for LED selection with N.O. contacts With loudspeaker and microphone Opening or call push button with N.O. contact To be used with porter 05515 – see page 186

Art.	Description

05512

ELECTRONIC CONTROL UNIT FOR MULTIPLE INTERCOM CONNECTIONS

Container in white ABS
Dimensions (mm): 111 x 72 x 29
Connection with screw terminal bloc to 4 outdoor porter intercoms (item 05515, 55012, 55013, 55014, 55033)
Connection with 8 pole plug to 3 indoor multiport intercom handsets (05514)
Operating voltage: 12 Vdc – 40 mA in stand-by
200 mA in communication
Use: the control unit allows 4 outdoor intercom locations and 3 indoor handsets to be managed.
The call coming from an outdoor intercom location is signalled on the multiport handsets via an acoustic and visible LED signal.
The first handset which is picked up connects to the outdoor calling location, excluding the other two handsets.
Further calls during the conversation are signalled on the 3 handsets and placed on hold according to the incoming order of priority.

05513

INTERCOM HANDSET

Body in white colour ABS
Intercom connection with standard 5 wires system
Operating voltage: 12 Vdc from porter intercom
Internal call buzzer at 12 Vdc
Direct connection to the calling station
N.O. push button for release contact function for one electromechanical lock

05514

MULTIPORT INTERCOM HANDSET

Body in white colour ABS
Connection to multiport central control unit item 05512 via 8 pole connector plug
Operating voltage: 12 Vdc from intercom control unit
Visible signalling of calls via green LED
Internal call buzzer at 12 Vdc
Push button for selection function of one of the outdoor intercom stations and for “mute” selection signalled by red LED for buzzer deactivation

05515

PORTER INTERCOM

Body in black ABS, external dimensions mm 120 x 56 x 30
Internal circuit dimensions mm 80 x 33 x16
Operating voltage: 12Vdc - 10mA in stand-by / 100 mA in operation
Call push button with blue signalling LED for handset connection
Amplified system with loudspeaker and microphone compatible with standard 5 wires intercom systems
Separate adjustment of loudspeaker and microphone volumes via trimmers
To be used with indicator lamps ref. OP04500 58 and OP04501 58

APPLICATION EXAMPLE FOR ONE DOOR

05513

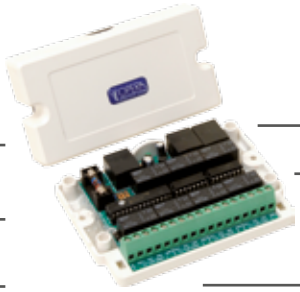
55033

APPLICATION EXAMPLE FOR MULTI DOORS

05514

55033

05514



55033

05514

55033

55033

Art.	Description

DOOR RELEASE PUSH BUTTON

Front plate in anodized aluminium
External dimensions (mm) 105 x 40 x 5
Internal depth dimensions (mm): 23
Release push button with C./N.O./N.C. contact
Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc

55017	Front plate in silver with " Apriporta " silk screening – red button
55017V	Front plate in silver with " Apriporta " silk screening – green button
55017N	Front plate in black with " Apriporta " silk screening – red button
55017VN	Front plate in black with " Apriporta " silk screening – green button

HANDICAP DOOR RELEASE PUSH BUTTONI

Front plate in anodized aluminium
External dimensions (mm) 105 x 40 x 5
Internal depth dimensions (mm): 23
Release push button with C./N.O./N.C. contact
Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc

55017D	Front plate in silver with "Apriporta" and handicap icon – red button
55017DV	Front plate in silver with " Apriporta" and handicap icon – green button
55017DN	Front plate in black with " Apriporta" and handicap icon – red button
55017DVN	Front plate in black with " Apriporta" and handicap icon – green button

FIRE-RELEASE PUSH BUTTON FOR FIRE DOORS

Front plate in anodized aluminium
External dimensions (mm) 105 x 40 x 5
Internal depth dimensions (mm): 23
Release push button with C./N.O./N.C. contact
Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc

55018	Front plate in silver with "Chiudiporta" – red button
55018V	Front plate in silver with " Chiudiporta " – green button
55018N	Front plate in black with "Chiudiporta" – red button
55018VN	Front plate in black with "Chiudiporta" – green button

Art.	Description

ANTI-VANDAL DOOR RELEASE PUSH BUTTON FOR EXIT

Front plate in stainless steel
External dimensions (mm) 85 x 85 x 2 – British standard
Internal depth dimensions (mm): 28
Release push button with C./N.O./N.C. contact
Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc
Round push button in stainless steel with green plastic edge

55020 "Uscita" silk screen in green
55020EX "Exit" silk screen in green
55020NT Without writing

NEW

55021

EXIT BUTTON

Front plate in stainless steel
External dimensions (mm) 85 x 85 x 2 – British standard
Internal depth dimensions (mm): 28
Release push button with C./N.O./N.C. contact
Electrical characteristics: 5A @ 250 Vac - 6 A @ 24 Vdc
Round button in green plastic

Silk screen "Press to Exit" in green colour

NEW

55022

EXIT BUTTON

Front plate in stainless steel
External dimensions (mm) 87 x 37 x 3
Internal depth dimensions (mm): 23
Release push button with C./N.O./N.C. contact
Electrical characteristics: 3A @ 125 Vac - 6 A @ 24 Vdc

NEW

55023

EXIT BUTTON

Front plate in stainless steel
External dimensions (mm) 87 x 37 x 3
Internal depth dimensions (mm): 23
Release push button with C./N.O./N.C. contact
Blue LED Status indicator
Electrical characteristics: 3A @ 125 Vac - 6 A @ 24 Vdc

01780

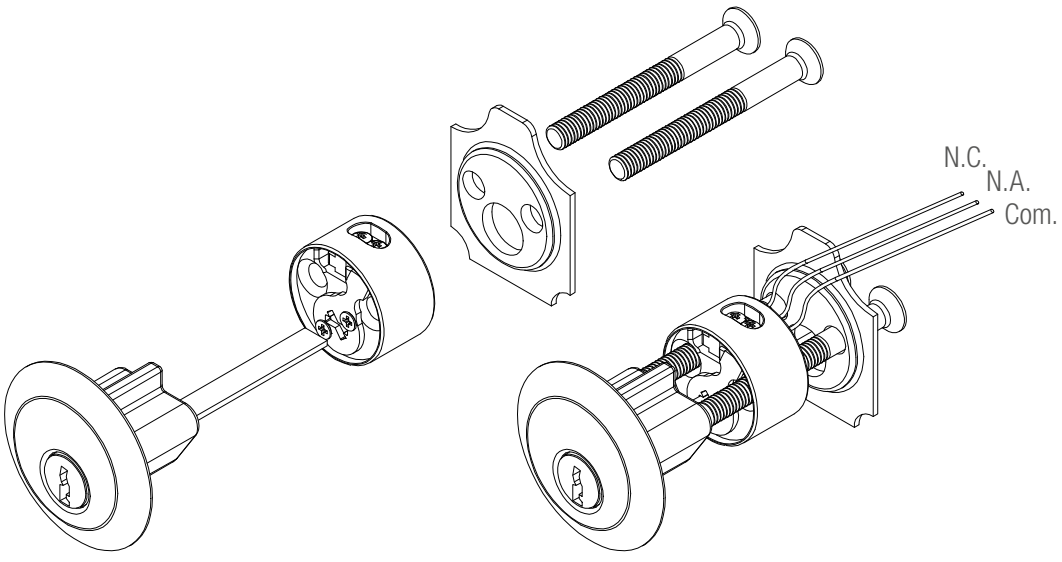
BOX FOR FLUSH MOUNT/APPLICATION MOUNT BUTTON

Body: in silver colour aluminium
Dimensions (mm): 85.5 x 85.5 x 38.5 – British standard
Use: box for flush or application mount for push button item art. 55020 and 55021

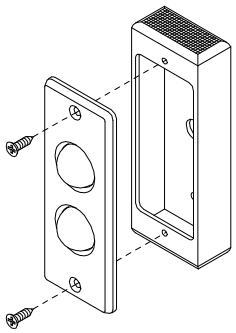
Art.	Description
	MOMENTARY KEY SWITCH FOR EURO-PROFILE CYLINDER Abs body with stainless steel cover plate Dimensions (mm): 110 x 38 x 39 Maintained SPDT micro switch Switch rating: 5A/125VAC Can be used with Euro-profile cylinder dimensions 45 mm. (30 + 10 + 5)
55040	Stainless steel cover plate
55040N	Stainless steel cover plate black painted
	Use: Key switch to activate electric equipment

	SURFACE MOUNTING BOX S.a.a. Body Dimensions (mm.): 110 x 38 x 46
05540	Silver finish
05540N	Black finish
	Use: Surface or mortice box for art. 55040

55041	**MOMENTARY KEY SWITCH FOR ROUND CYLINDER** Brass body Dimensions (mm) : 30 x 17 Release push button with C./N.O./N.C. contact, Switch rating: 5A / 125VAC
	Use: Key switch to activate electric equipment



Art.	Description
	BOX FOR INDICATOR LAMP SYSTEM FOR SURFACE FIXING
	External dimensions (mm): 40 x 20 x indicator lamp front plate length
	Box in silver anodized aluminium:
05501	For article 55010 - 55013 - 55017 - 55018
05502	For article 55011
05502PD	For article 55030-55031-55033
05503	For article 55012
05504	For article 55014
	Anodized black colour box
05501N	For article 55010N – 55013N – 55017N - 55018N
05502N	For article 55011N
05502PDN	For article 55030N -55031N-55033N
05503N	For article 55012N
05504N	For article 55014N
	On request:
Art. + GD	Anodized gold box (i.e. 55010GD)
Art. + BR	Anodized bronze box (i.e 05501BR)



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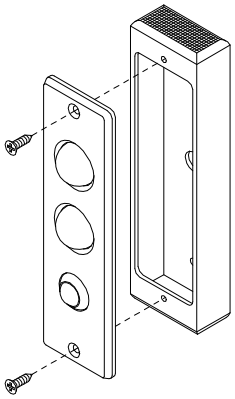

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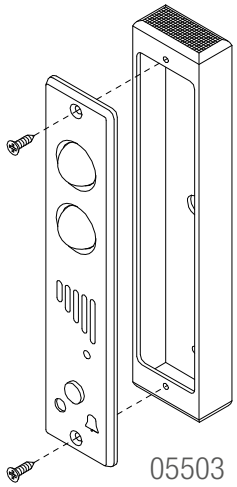

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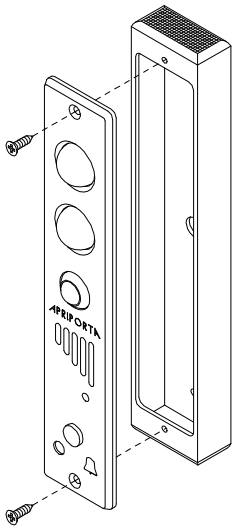
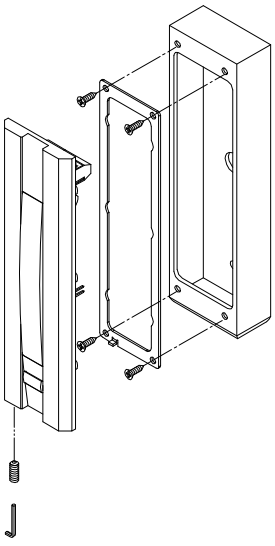


05504



05502PD

Art.	Description

05257

INTERCOM INTERFACE FOR ELECTRIC LOCKS

ABS enclosure dimensions: mm mm 97 x 141 x 22
Input power: 9 – 12 Vac
Output: electrically operated lock activation from relay with free contact C/NO/NC timed at 5-10-15-20 s
Output fault signalling for intercom button stuck: relay with voltage free contact C/NO
Use: allows, in addition to door relay function in installations equipped with electronic locks, to protect the lock if the intercom button is constantly pushed, disabling all command devices and reporting the failure.

05258

RELAY CIRCUIT FOR INTERCOM OPENING COMMAND

Circuit dimensions (mm): 58 x 15 x 18
Input operating voltage: 9 – 12 Vac/Vdc
Output: relay with dry contact C./N.O./N.C
Use: this circuit allows the 12 Vac contact to be transformed for activation of the traditional electromechanical lock which comes from the intercom system with N.O. dry contact necessary for activation of the solenoid lock opening command. Can be used with all electromagnets in the Safety series, all solenoid locks in the Quadra series (in combination with their control units), the Prima series, Classica, Maxima series (combined with their control units)

MAGNETIC SENSOR CONTACT CIRCUIT

Circuit dimensions (mm): 50 x 40 x 20
Input operating voltage: 12 Vdc or 24Vdc
Minimum command current: 0,5 mA –IN / 1 mA +IN
Output: relay with dry contact C./N.O./N.C
Relay contact current: 10 A - 28 Vdc / 120 Vac

05259-12 Operating voltage: 12Vdc
05259-24 Operating voltage: 24Vdc

Use: this circuit allows the N.O. contact of the magnetic sensor to be transformed into a dry N.O. relay contact necessary to activate signalling. For use with all solenoid locks in the Quadra, Prima, Classica, Maxima series or magnetic sensors item 02221 and 02223

05260

TIMING CIRCUIT FOR AUTOMATIC DOORS

Circuit dimensions (mm): 71 x 48 x 16
Box in ABS dimensions (mm) 120 x 56 x 30
Input operating voltage: 12/24 Vac/Vdc
Output: relay with dry contact C./N.O./N.C
Activation delay timing relay adjustment from 0 to 60 seconds
Activation timing relay adjustment from 0 to 60 seconds
Use: this circuit allows a security electromechanical lock from the Quadra, Prima, Classica, Maxima series to be used with motorisation of door opening. Confirmation of latch opening on the electromechanical lock generates, after a pre-established time, activation of a pulse contact on the relay for opening of the motorisation

05261

VOICE CIRCUIT

Box in ABS dimensions (mm) 160 x 100 x 43
Input operating voltage: 12/24 Vac/Vdc
Current : 30 mA in stand-by /up to 200 mA with message active
Microphone built into the board for message recording
Push button on the board to activate recording
Record/playback switch
Amplified output for direct connection of a loudspeaker
Output power 1 W - 4 ohm
4 N.O. inputs for playback activation
Total time for messages: 40 seconds - Yellow playback indicator LED (Play) - Red recording indicator LED (Rec)
Use: this circuit allows up to 4 voice messages to be recorded which can be activated for playback by 4 dry contacts

Art.	Description

02221

MAGNETIC SENSOR FOR MORTICE FIXING

Magnetic door alignment verification sensor
Body in threaded brass
Brackets in black ABS
Dimensions of the bracket (mm): 50 x 20 x 3
Internal depth dimension (mm): 28
Magnet and sensor adjustable in extension
2 wires connection
N.O. output contact (N.C. with magnet)
Maximum rating: 200 Vdc / 500 mA (10 VA max) on resistive load
Operating temperature: -5/+ 50 °C
Operating range: 12 mm.

02223

MAGNETIC SENSOR FOR SURFACE FIXING

Magnetic door alignment verification sensor
Support for surface fixing in white plastic container
Dimensions of the bracket (mm): 60 x 16 x 5
2 wires connection
N.O. output contact (N.C. with magnet)
Maximum rating: 200 Vdc / 500 mA (10 VA max) on resistive load
Operating temperature: +5/+40 °C
Operating range: 40 mm.

02225

DOOR MECHANICAL SENSOR

Mechanical contact for door status signalling
Body dimensions (mm): 28 x diameter 20
Front plate in stainless steel (mm) 42 x 23 x 3
Body in oxidised aluminium - anodic build-up oxidation
Ball in hardened steel
Ball body adjustment of 10 mm.
C. / N.O. / N.C. output contact
Maximum rating: 1.5 A – 250 V
Supplied with 15 cm of three wire cable

08700

ANTI-REBOUND BALL-CATCH

Ball with spring adjustment for insertion on swing doors.
Body in nickel plated steel
Ball front plate and strike in stainless steel
Front plate dimensions (mm): 55 x 25 x 3
Depth of the ball body (mm): 30
Use: anti-rebound system for swing doors with electronic locks with relocking via alignment sensor.
Ideal for heavy doors where realignment is made difficult by excessive rebounds of the door during approach which may prejudice the proper operation of the electromechanical lock.

Art.	Description
	ARMATURE PLATE FOR QUADRA MICRO SERIES SOLENOID LOCKS
	Armature plate in stainless steel (mm) 80 x 25 x 3
02208	Without magnet
02208R	With magnet adjustable in extension
	ARMATURE PLATE FOR QUADRA SERIES SOLENOID LOCKS
	Armature plate in stainless steel (mm) 100 x 40 x 3
02218	Without magnet
02218R	With magnet adjustable in extension
	ARMATURE PLATE FOR PRIMA AND CLASSICA SERIES SOLENOID LOCKS WITH FIXED MAGNET
	Normally supplied with solenoid bolt 246, 248, 256, 258, 268, 278, OP:
02258D	Armature plate in stainless steel (mm) 150 x 25 x 3
02258DSA	Armature plate in stainless steel (mm) 150 x 25 x 3 with anti-rebound ball-catch
	Normally supplied with solenoid bolt 259,279
02259	Armature plate in stainless steel (mm) 150 x 25 x 3
02259SA	Armature plate in stainless steel (mm) 150 x 25 x 3 with anti-rebound ball-catch
	STRIKING PLATE FOR CLASSICA SERIES SOLENOID LOCKS, SUPPLIED WITH RIM COVER
	Dimensions: mm 160 x 25 x3
02260D	Armature plate in stainless steel
02260DSA	Armature plate in stainless steel with anti-rebound ball-catch
	Standard supplied with the carter package serie Classica art. 02708
02255	**ARMATURE PLATE FOR MAXIMA SERIES SOLENOID LOCKS**
	Armature plate in stainless steel with anti-rebound ball-catch (stroke adjustable at exit to 15)
	Dimensions (mm): 216 x 30 x 3

Art.	Description
08600	 **CONCEALED CABLE COVER** Flexible spring in chromium plated steel with internal diameter of 10 mm. Box for insertion into the door profile in chromium plated steel Box for mortice fixing dimensions (mm): 260 x 24 x 16 **Use:** concealed cable cover for direct passage of the wires between the door and the frame.
08601	 **DOOR LOOP WITH CABLES AND PLUG-IN CONNECTORS** Flexible spring steel with internal diameter of 10 mm Box for mortice fixing dimensions (mm): 260 x 24 x 16 Supplied with 2 cables 1Mt long and 4,5 mt on the other side - 8 poles plug-in connector . 8 wires 0,22mm diameter The 08601 door loop, mounted in the hinge of the door, is completely hidden when the door is in the closed position
08605	 **CONCEALED CABLE COVER** Flexible spring in chromium plated steel with internal diameter of 11 mm. Front plate in black painted steel. Tube length (mm) 88 **Use:** concealed cable cover for direct passage of the wires between the door and the frame
08608	 **CABLE COVER ONLY FLEXIBLE** Flexible spring in chromium plated steel with external diameter of 9,5mm and internal diameter mm 7. Length (mm) 214 **Use:** external cable cover for direct passage of the wires between the door and the frame
08610 08619 08620	 **CABLE COVER ONLY FLEXIBLE** Flexible spring in chromium plated steel with external diameter mm 14 and internal diameter of 10 mm. Length (mm) 250 Length (mm) 420 Length (mm) 600 **Use:** external cable cover for direct passage of the wires between the door and the frame
08630	 **CABLE COVER ONLY FLEXIBLE** Flexible spring in chromium plated steel with fixing terminals in black plastic Terminal dimension (mm): 35 x 30 x 13. Internal diameter (mm) 8 Length (mm) 430 **Use:** external cable cover for direct passage of the wires between the door and the frame
08640 08641	 **CABLE COVER ONLY FLEXIBLE** Flexible spring in chromium plated steel with fixing terminals in aluminium alloy Terminal dimension (mm): 47 x 39 x 22. Internal diameter (mm) 8 Length (mm) 500 Length (mm) 710 **Use:** external cable cover for direct passage of the wires between the door and the frame
08650	 **TAPPET CONTACTS - ELECTRIC CONTACT** Pair of pressure tappet contacts for electric lock (not electronic lock or solenoid bolt) Voltage: 12/24 Vac/dc - Max current: 5A Front plate in black plastic, dimensions mm 47 x 16 x 4

Art.	Description

05110R
05110V
05110G

BOX FOR PUSH BUTTON ALARM ACTIVATION WITH MANUAL RESET

Container in ABS
Dimensions (mm): 99 x 95 x 43
C. / N.O. / N.C. internal switching contact
Manual rearming of the contact
IP rating: IP41
Transparent Plexiglas cover for protection of the box's activation push button

Red box (for connection in fire prevention systems)
Green box (for connection to emergency exits)
Yellow box

Use: pressing the plastic front plate activates switching of the electrical contact
Compliance: EN54-11 (05110R)

05210

TRANSFORMER FOR MAXIMA SERIES MOTORISED LOCKS

Dimensions (mm): 110 x 75 x 68
Primary operating voltage: 230 Vac - 50/60 Hz.
Secondary operating voltage: 10 Vac
Power: 65 V.A. - Isolation class: II
Carter in self-extinguishing plastic material
Terminal block with screw connections

Use: ower transformer to alternating current for electronic command unit Art. 54250 (spare for Art. 54255) Maxima series

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05211

TRANSFORMER FOR OMNIA SERIES ELECTRIC STRIKES

Dimensions (mm): 70 x 58 x 40
Primary operating voltage: 230 Vac - 50/60 Hz.
Secondary operating voltage: 12 Vac
Power: 10 V.A. - Isolation class: II
Carter in self-extinguishing plastic material
Terminal block with screw connections

Use: power transformer to alternating current for Omnia series electric strikes

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05301C

WEEKLY PROGRAMMABLE TIMER WITH CALENDAR

230 Vac power
Output: switching relay with C./N.O./N.C contacts
Relay rating: 250 Vac / 16 A - 12 Vdc / 4 A
Internal lithium battery with charge reserve for 5 years without power
Preset date and time
Automatic switch for daylight savings time
Weekly and daily programming
Time programming by hour and minutes
Programming key and saving of memorised data

Use: weekly timer for automatic opening and relocking of electromechanical locks according to preset times. For use with electromagnets, electric strikes in continuous current and solenoid locks.

Art.	Description

05310

POWER SUPPLY WITH TIME DELAY

Grey ABS Box
Dimensions: 129 (L) x 73 (W) x 50 (D) mm
Input Power: 100-240 Vac, 50/60 Hz
Output voltage 1: 1.5A/12 Vdc (Timer)
(for both fail safe and fail secure electric locks)
Output voltage 2: 1A/12 VDC
Adjustable time: 0 ~ 45 seconds
Weight: 0.22 kg
N.O.input for push button

SWITCHING POWER SUPPLY FOR BACKUP BATTERY

Wall mount container in inspectable grey ABS
Dimensions (mm): 300 x 225 x 130 (mm 395 x 310 x 130 for item 05326A)
Regulated power supply with switching technology
Input in alternating current: 230 Vac
Output for battery charging with control circuit for charge voltage
Overload protection
Short circuit protection

Output:

05312A 12 Vdc (13,8 Vdc) / 3 A
05325A 24 Vdc (27.6 Vdc) / 3 A
05326A 24 Vdc (27,6 Vdc) / 10 A

SWITCHING POWER SUPPLY

Container in metal with ventilation holes
Regulated power supply with switching technology
Input in alternating current: 230 Vac
Output for battery charging with control circuit for charge voltage
Overload and short circuit protection

Output:

05320A 12 Vdc (13.8 Vdc) / 3.0 A – dimension (mm) 130 x 99 x 38
05330XSA 24 Vdc (27.6 Vdc) / 1 A – dimension (mm) 85 x 58 x 38
05331A 24 Vdc (27.6 Vdc) / 3 A – dimension (mm) 159 x 99 x 38
05332A 24 Vdc (27.6 Vdc) / 10 A – dimension (mm) 215 x 115 x 50

05330BD

SWITCHING POWER SUPPLY

Abs container for Din rail
230 Vac – 24 Vdc / 1 A Power Supply
Dimensions: 130 x 99 x 38

Use: For Linea Hotel products

BATTERIES

12 Vdc rechargeable lead batteries

00112 Power: 1.2 Ah for Art. 52002 (mm 97 x 42 x 53)
00212 Power: 2.2 Ah (mm 177 x 60 x 35)
00712 Power: 7 Ah (mm 151 x 94 x 65)

Art.	Description

55414

FOUR CHANNEL RECEIVER

Container in grey or black ABS
Container size: 200 x 75 x 40
Circuit dimensions (mm): 58 x 58
Operating voltage: 12/24 Vac/Vdc
Current: 50 mA max with relays active
Frequency 433.92 MHz
Programmable codes: 199 different codes with standard 12-64 bit or Rolling Code
Output: via C./N.A relay contacts in pulse, bistable or timed bistable mode
1 C./N.O./N.C switching relay with 5A rating
171 C./N.O contact relays with 1A rating
Range: 50/80 metres with wire antenna supplied in the package
Features: four channel self learning receiver for management of four separate opening commands (example: separate opening of the two doors in any interlocking system and two single doors)

55416

TWO CHANNEL RECEIVER

Container in grey or black ABS
Container size: 200 x 75 x 40
Circuit dimensions (mm): 58 x 58
Operating voltage: 12/24 Vac/Vdc
Current: 50 mA max with relays active
Frequency 433.92 MHz
Programmable codes: 199 different codes with standard 12-64 bit or Rolling Code
Output: via C./N.A relay contacts in pulse, bistable or timed bistable mode
1 C./N.O./N.C switching relay with 1A rating
1 C./N.O contact relays with 1A rating
Rating: 50/80 metres with wire antenna supplied in the package
Features: two channel self learning receiver for two separate opening commands (example: separate opening of the two doors in any interlocking system)

55417

SINGLE CHANNEL MINI RECEIVER

Container in black ABS
Container size: 70 x 46 x 21
Circuit dimensions (mm): 47 x 26
Operating voltage: 12/24 Vac/Vdc
Current: 50 mA max with relay active
Frequency 433.92 MHz
Programmable codes: 23 different codes or Rolling Code
Output: via C./N.A relay contacts in stable or bistable mode
Rating: 50/80 metres with wire antenna supplied in the package
Features: single channel self learning receiver for opening command of a door

55418

SINGLE CHANNEL MINI RECEIVER

Container in black ABS
Container size: 77 x 37 x 21
Circuit dimensions (mm): 47 x 26 Operating voltage: 12/24 Vac/Vdc
Current: 50 mA max with relay active
Frequency 433.92 MHz
Programmable codes: 23 different fixed codes or Rolling Code Output: via C./N.A relay contacts in stable or bistable mode Rating: 50/80 metres with wire antenna supplied in the package Features: single channel receiver for opening command of a door
Use: allows remote control in an extremely simple way of any electromechanical lock without the aid of an ulterior supplementary power supply. For this reason it can also be applied to any already installed electromechanical lock.

Art.	Description

TWO CHANNEL REMOTE CONTROL

Body in silver and black polycarbonate
Dimensions (mm): 53 x 26 x 14
Red indicator LED for pressing of the buttons
Operating voltage: 6 V alkaline battery type 11A
Frequency 433.92 MHz
Programming: self learning and auto generating of the codes

55420 Standard encoding up to 96 bit
55420RC Rolling Code Encoding

Features: remote control with two separate channels, ideal to operate individually on the opening commands of two different doors

Use: for use with all 554 series receivers

FOUR CHANNEL REMOTE CONTROL

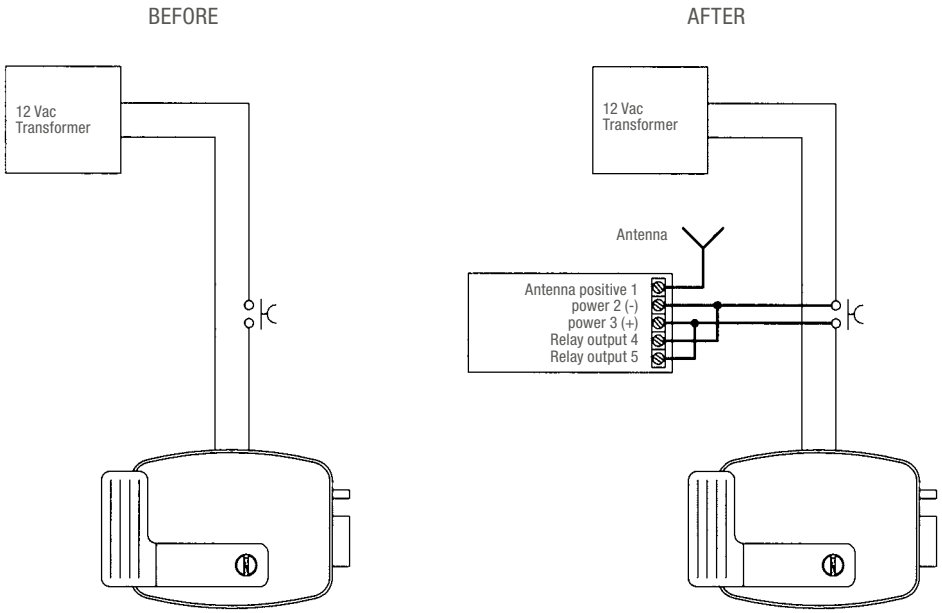
Body in polycarbonate
Dimensions (mm): 63 x 36 x 14
Red indicator LED for pressing of the buttons
Operating voltage: 6 V alkaline battery type 11A
Frequency 433.92 MHz
Programming: self learning and auto generating of the codes

55421 Standard encryption up to 96 bit
55421RC Rolling Code Encoding

Features: remote control with four separate channels, ideal to operate individually on the opening commands of four different doors

Use: for use with all 554 series receivers

REMOTE CONTROL - APPLICATION EXAMPLE
Single channel mini receiver 55418 for electric locks



LINEA HOTEL

- CUSTOMIZED FINISH WITH INTRODUCTION ON ALL ELECTRIC SOCKETS
- STAND-ALONE SYSTEM FOR EACH ROOM
- CHIP CARD OR TRANSPONDER READING
- CONNECTION TO THE CONTROL UNIT THROUGH RS-485 NETWORK
- PC SOFTWARE FOR CUSTOMERS CARDS AND SERVICES MANAGEMENT
- TO BE MATCHED WITH 12 VDC/250 MA ELECTRIC STRIKES

OPEN

LINEA HOTEL

www.opera-italy.com

PLUS

- Stand alone system for hotel rooms
- Reading on MIFARE cards
- Usable with electric strikes or electric locks
- Software for managing card from PC

INTERIOR

Card reader
CURRENT ACTIVATION

EXTERIOR

Art.	Description
55510RF 55510RFZC	**CENTRAL UNIT AND CARD READER** Central unit with card reader RFID. It can be used as door opener if used singularly or as reader/room current activator if used with reader item code 55514RF. Dimensions: mm 120 x 120 x 44 Plexiglass front plate black glossy (on demand white glossy) with LED lighting RGB (7 colours available). Power source and commands: 24 Vdc from power supply item code 05330. 3A relay output for users activation Open collector auxiliary output for external relay 24 Vdc Real Time Clock to manage cards validity Connection to the transponder reader via a 5 connectors cable or a 3 connectors coaxial cable. Inserted card LED signalling Central Unit / RFID reader version Central Unit / RFID reader for common zone opening version **Use:** internal room reader for power supply activation via the identification of a transponder card
55510RFA	**CARD READER FOR CURRENT ACTIVATION** Transponder reader to be connected to the central unit reader item code 55514RF Rim version Dimensions: mm.120 x 120 x 44 Plexiglass front plate black glossy (on demand white glossy) with LED lighting RGB (7 colours available). Power source 24Vdc via 05330BD Connection to the transponder reader via a 5 connectors cable or a 3 connectors coaxial cable. LED signalling when card is inserted in the internal reader to activate room power supply. **Use:** transponder reader for external room access via transponder card
55514RF	**TRANSPONDER CARDS READER** Transponder reader to be connected to the central unit reader item code 55510RF Rim version Dimensions: mm.120 x 120 x 44 Plexiglass front plate black glossy (on demand white glossy) with LED lighting RGB (7 colours available). Power source and commands via reader item code 55510RF Connection to the transponder reader via a 5 connectors cable or a 3 connectors coaxial cable. LED signalling when card is inserted in the internal reader to activate room power supply. **Use:** transponder reader for external room access via transponder card

Art.	Description

NEW

55510ZC

MODULAR STAND ALONE ELECTRONIC UNIT

Container in black ABS for mounting on DIN rail
Dimensions (mm): 90x70x58
Power supply: 230Vac
Real Time Clock to manage cards validity
Power output 12Vdc/250Ma for electric lock
Power output 24Vdc for cards reader

- Common area controller

Use: Electronic unit for management of the common area by means of card reader 55514

NEW

55512

CARD READER FOR CURRENT ACTIVATION

Basic version
Card insertion reader in black ABS
Front surface in silver polycarbonate
Reader for 3 position flush mount container (placard series for flush mount must be specified) - Supplied without front placard
Dimensions (mm): 66 x 50 x 44
Operating voltage and commands: 24 Vdc from electronics Art. 55510
Connection with the control unit via 2 wires
Internal 5 A double switching relay
Red flashing LED for reader indication, fixed access LED for indication of inserted card
Function selectable for operation via dimensional recognition (on request chip card recognition)
Use: reader inside room for activation of electricity via insertion of any card

NEW

55514

TRANSPONDER CARD READER

Reader in black ABS. Front surface in silver polycarbonate
Reader for 3 position flush mount container (placard series for flush mount must be specified) - Supplied without front placard
Dimensions (mm): 66 x 50 x 44
Operating voltage and commands: 24 Vdc from electronics Art. 55510ZC
Connection with the control unit: RS-485. 24 Vdc output for connection of external relay for activation of courtesy light or door opening. Call push button
Red LED for occupied indication, Red LED for do not disturb indication, Yellow LED for alarm indication, Green LED for door open indication
Max badges:
- user cards
- service card differentiated by user number

Use: external room reader for door opening

Art.	Description
	TRANSPONDER CARD RFID mayfair technology user card which can be encoded with a special programmer For use with card reader Art. 55514 - 55510RF - 55510RFZC - 55514RF Dimensions (mm): 86 x 54 x 0.8
55516	Neutral
55516SLA	Four-colour customer silk screen on one side
55516SLB	Four-colour customer silk screen on two sides

55519	**TRANSPONDER CARD PROGRAMMER FOR CONNECTION TO PC** Table top writer in black ABS Container size (mm): 113 x 92 x 20 Maximum remote distance from the reader: up to 1.5 mt. Connection: via USB port Operating voltage: via PC LED for indication of operating status Complete with installation software

05330BD	**SWITCHING POWER SUPPLY** Abs container for Din rail 230 Vac – 24 Vdc / 1 A Power Supply Dimensions: 130 x 99 x 38

Art.	Description
55520	**PC MANAGEMENT SOFTWARE**

The Hotel software program allows automated management of the services present in the rooms of a hotel structure. In fact, with its simple, intuitive user interface, it allows monitoring of the situation in each room and/or lodging and alerting of the operator who has a central PC located in a remote position from the monitored areas.
It also allows activation and deactivation of access to determined areas in the structure through the use of Chip cards or Transponder cards.
The Hotel software specifically offers optimisation of costs and energy consumption, providing the management with significant savings.

Features:
- Customer card programming
- Service card programming
- Check out cancellation card programming
- Insertion / modification of access parameters
- Card verification
- Available room list
- Occupied room list
- Rooms in Check-Out phase list
- Services list with relative access parameters

Viewing of the room situation to know
- which and how many of the rooms are free
- which and how many of the rooms are reserved
- the check-in and check-out date
- the customer's name

Toolbar with:
- Table window recall button
- Check-In window recall button
- Check-Out window recall button
- Card Verifications window recall button
- Common Areas window recall button
- Program exit button

Window to view all of the Common Areas set up in the system, ordered by name. In each figure showing the Area all associated accesses are listed, indicating whether they are accesses reserved for personnel or if they are accesses enabled for the customers also.

Use: PC software for management and programming of transponder or chip cards

Art.	Description

NEW

55530

MODULAR STAND - ALONE MANAGEMENT ELECTRONICS

Stand-Alone electronics to manage a card reader

ABS case for DIN rail – dimensions (mm): 105 x 90 x 73
Maximum remote distance from the reader: up to 10 mt.
230 Vac power
Real time clock to maintain date and time with backup battery
Serial line for connection to the data center
Serial line RS-485 for connection to the relays slave units
2 slave units 55531 applicable

NEW

55531

RELAY MODULE

ABS case for DIN rail – dimensions (mm): 105 x 90 x 73
Power supply from electronic 55530
8 relays module to manage 8 different locks
Relay contact with dry contact C./N.O./N.C
Serial line RS-485 for connection to the electronic 55530

NEW

55514RF

TRANSPONDER CARDS READER

Transponder reader to be connected to the central unit reader item code 55510RF
Rim version
Dimensions: mm.120 x 120 x 44
Plexiglass front plate black glossy (on demand white glossy) with LED lighting RGB (7 colours available).
Power source and commands via reader item code 55510RF
Connection to the transponder reader via a 5 connectors cable or a 3 connectors coaxial cable.
LED signalling when card is inserted in the internal reader to activate room power supply.
Use: transponder reader for external room access via transponder card

NEW

TRANSPONDER CARD

RFID mayfair technology user card which can be encoded with a special programmer
For use with card reader Art. 55514 - 55514RF
Dimensions (mm): 86 x 54 x 0.8

55516 Neutral
55516SLA Four-colour customer silk screen on one side
55516SLB Four-colour customer silk screen on two sides

Art.	Description

NEW

55519

TRANSPONDER CARD PROGRAMMER FOR CONNECTION TO PC

Table top writer in black ABS
Container size (mm): 59 x 59 x 11
Maximum remote distance from the reader: up to 1.5 mt.
Connection: via USB port
Operating voltage: via PC
LED for indication of operating status
Complete with installation software

Use: Transponder card programmer to be utilised via special software directly from the PC

NEW

55534

DATA CONCENTRATOR

Network data centre for connection with 55530
Dimensions: mm 260 x 157 x 62
Power supply: 230 Vac
CanBus connection to the electronic
Ethernet connection to Pc

NEW

55520A

PC MANAGEMENT SOFTWARE

The software program allows automated management of the services present in the cabinet. In fact, with its simple, intuitive user interface, it allows monitoring of the situation in each door and/or lodging and alerting of the operator who has a central PC located in a remote position from the monitored areas.
It also allows activation and deactivation of access to determined areas in the structure through the use of Chip cards or Transponder cards.

Features:
- Customer card programming
- Service card programming
- Check out cancellation card programming
- Insertion / modification of access parameters
- Card verification
- Available cabinets list
- Occupied cabinets list
- Services list with relative access parameters

Viewing of the cabinets situation to know:
- which and how many are free
- which and how many are reserved
- the check-in and check-out date
- the customer's name

Toolbar with:
- Table window recall button
- Check-In window recall button
- Check-Out window recall button
- Card Verifications window recall button
- Common Areas window recall button
- Program exit button

Use: Software per PC per la gestione e la programmazione di tessere a trasponder

IACCESS

- ACCESS CONTROL SYSTEM
- CODE KEY PAD, MAGNETIC CARDS READER AND RFID
- PEOPLE COUNTER SYSTEM FOR LIBRARIES, MUSEUMS, SHOPPING CENTERS
- STAND-ALONE VERSION FOR INDIVIDUAL APPLICATIONS
- ON LINE VERSION WITH PC MANAGEMENT FOR MULTI DOORS SYSTEMS

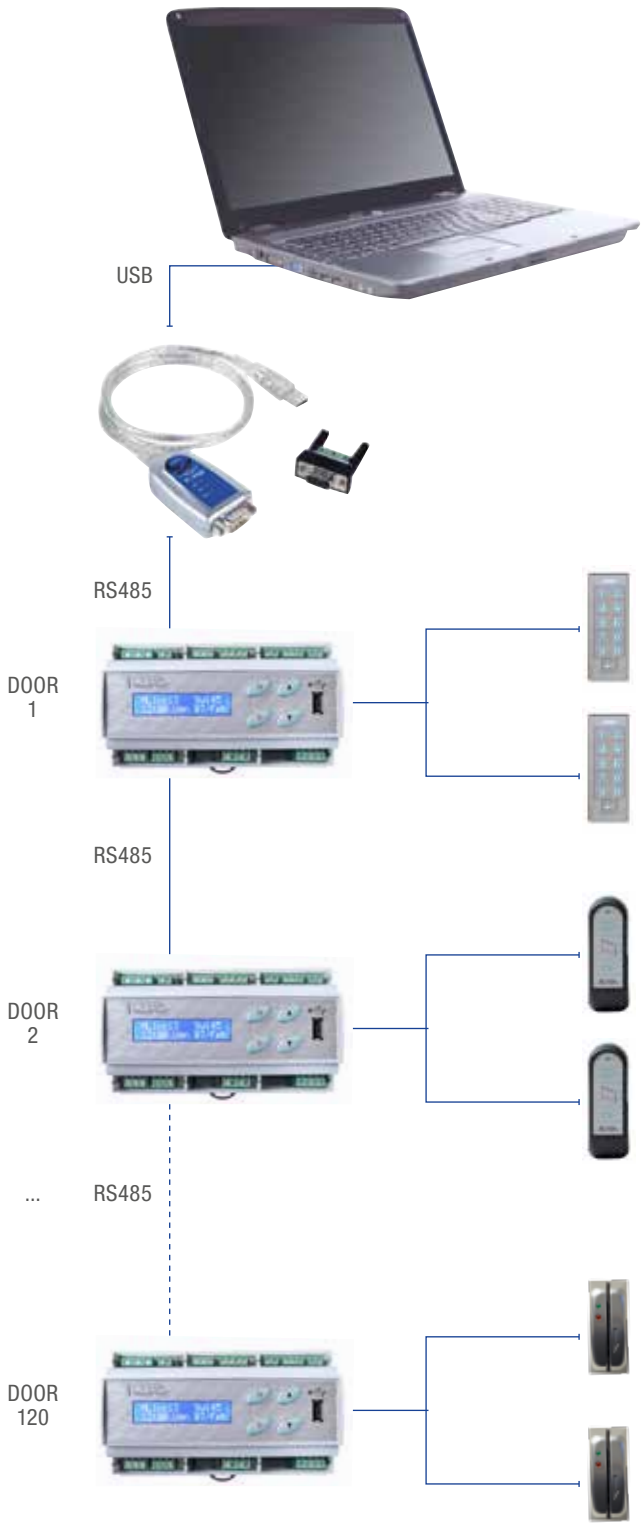
OPERA

PLUS

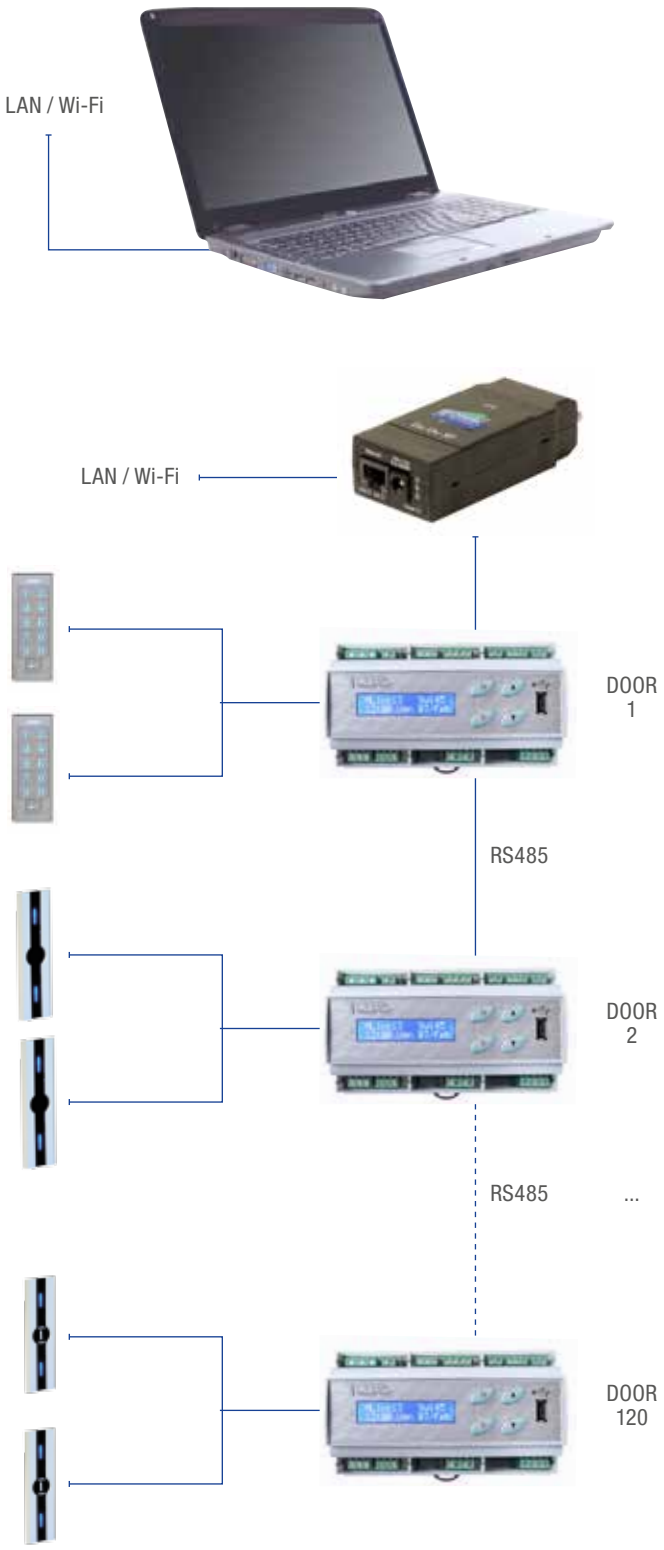
- Independent or connectable to a PC control unit
- Users configuration from the control unit or the PC
- Usb port for direct events download on Usb key
- 2 remote reading devices operating on the same door (readers/key pads)
- Fixing on DIN bar switchboard

TYPICAL APPLICATION WITH PC OPERATING SYSTEM

SERIAL CONFIGURATION RS-485



SERIAL CONFIGURATION RS-485 / LAN - WiFi



PLUS ESEMPIO

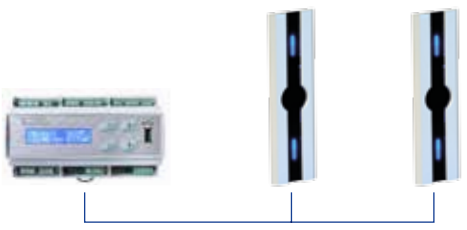
- Connection on serial network
- Connection on serial network/ethernet
- Up to 120 manageable doors
- Up to 2000 manageable users for each door

Art.	Description
55611NET	**MODULAR STANDALONE/NET MANAGEMENT ELECTRONICS** **For one door** Electronics that can be managed in stand alone mode for a single indipendent door and in an RS-485 serial network for the connection of up to 120 doors controlled by PC through special application software, Art. 55623. Connection to 2 peripheral reading devices (input/output) including magnetic card readers, transponder readers or code keypads. Gray ABS housing, 160 x 95 x 65 mm for attachment to DIN bar. Remote distance from the peripheral reading devices: up to 10 m with flat cable and up to 500 m with connection of the peripheral devices (readers and keypads) through dedicated RS-485 serial line (cable 4). Main power supply: 230 Vac Internal power supply with battery charger, plug, 12 V/1.2 A external Art. 00112 Power supply output 12 Vdc – 0.5 A max for electric locks Electric lock command: C./N.O./N.C. relay, time can be set from 1 to 99 seconds or **bistable** for operation of the electric lock N.O. input, opening from button. N.O. input for door sensor. N.O. input for lock status. N.O. input for enabled codes block. Alarm relay that can be activated through door sensor by forced opening (can be deactivated by the software from the menu). Saving of users on solid-state memory on Eeprom (minimum retention 10 years) Important: the data present in the memory can be copied and transferred to any system extensions if installed in stand alone mode. Real Time Clock (RTC) circuit for date and time management. LCD 16 x 2 display, with blue backlight for the programming and display of the system's operational states. 4-key membrane polycarbonate keyboard for programming with the following functions: Up – Down – Program – Enter. Network port: Net485 for connection and management by PC. USB port for downloading the data on the events and user list present in the memory on a USB drive. 171 Ability to save pre-existing magnetic cards coded in the second track such as, for example, credit cards, tax code cards or cards belonging to other access control systems on standard ISO 2 (if connected to a card reader Art. 55613 or 55613AL to be ordered separately). Max reading of the first 10 characters. 171 Ability to save RFID transponders in ISO 2 emulation (if connected to transponder reader 55614 or 55614DP to be ordered separately) **171 Ability to save PIN codes in ISO 2 emulation (if connected to the code keyboard Art. 55612 or 55612SS to be ordered separately).** **Functions:** - Management of 2000 users with different cards or codes - Access to all functions by local keyboard - Programming of user codes through master code - Setting of Net485 network parameters - Entering of address number for connection to PC - Programming of cards / transponders / codes - Variable length access codes with a maximum of 10 digits - Programming for 3 distinct time slots for each user. Selection of user access - Prohibition by day of the week - Programming of debit cards - Entering of users with expiration date - Deletion of user with possession of a title - Deletion of the entire user list - Date and time setting - Lock opening time selection - Anti pass-back selection with the use of 2 reading peripheral devices - Alarm setting selection after 3 attempts or for forced door - Reader block setting selection – Display of user list - Direct download of the last 500 events and user list on a USB key

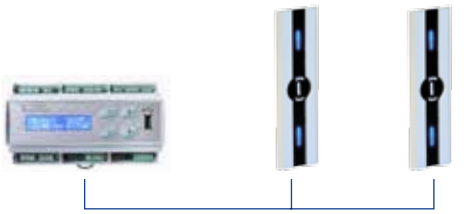
CONFIGURATION 1 DOOR WITH KEYPAD

CONFIGURATION 1 DOOR WITH READER

CONFIGURATION 1 DOOR WITH TRANSPONDER



CONFIGURATION 1 DOOR WITH TRANSPONDER



CONFIGURATION 1 DOOR WITH iBUTTON

Art.	Description

55613NET

ISO 2 MAGNETIC STRIP CARD READER

ABS housing body
Dimensions: 100 x 34 x 26 mm.
Power supply and commands: from PC through USB port.
Red and green two-color LED for the display of the operational states.
Use: magnetic strip card reader for the saving and reading of the cards by PC.
Packaging: provided with USB connection cable.

55614NET

USB TRANSPONDER READER

ABS housing body.
Dimensions: 115 x 75 x 25 mm.
Power supply and commands: from PC through USB port
Red and yellow LED for the display of the operational states.
Operating frequency: 125 kHz (integrated antenna).
Use: RFID tag and card reader for the saving and reading of the cards by PC.
Packaging: provided with USB connection cable

55616NET

USB – RS-485 CONVERTER

ABS body. Dimensions: 60 x 38 x 20 mm.
Power supply: 5 Vdc / 60 mA from PC through USB port
LEDs for the display of the operational states.
USB 2.0 compatibility.
Provided with adapter from DB9 connector to screw connector for connection to the RS-485 network.
Use: USB – RS-485 serial port connector necessary for connection of the serial line to the PC, which only has USB ports
Packaging: provided with USB connection cable, 80 cm long.

55618NET

TTL – RS-485 CONVERTER

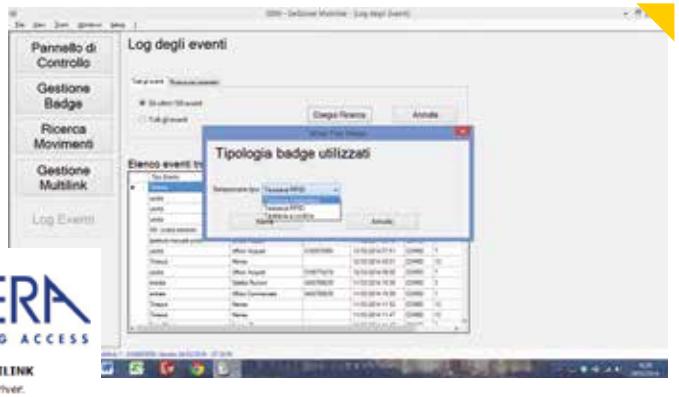
The serial port converter allows the connection of the different readers to the MultilinkNet electronic by means of a 4 poles cable for a max. length 500Mt

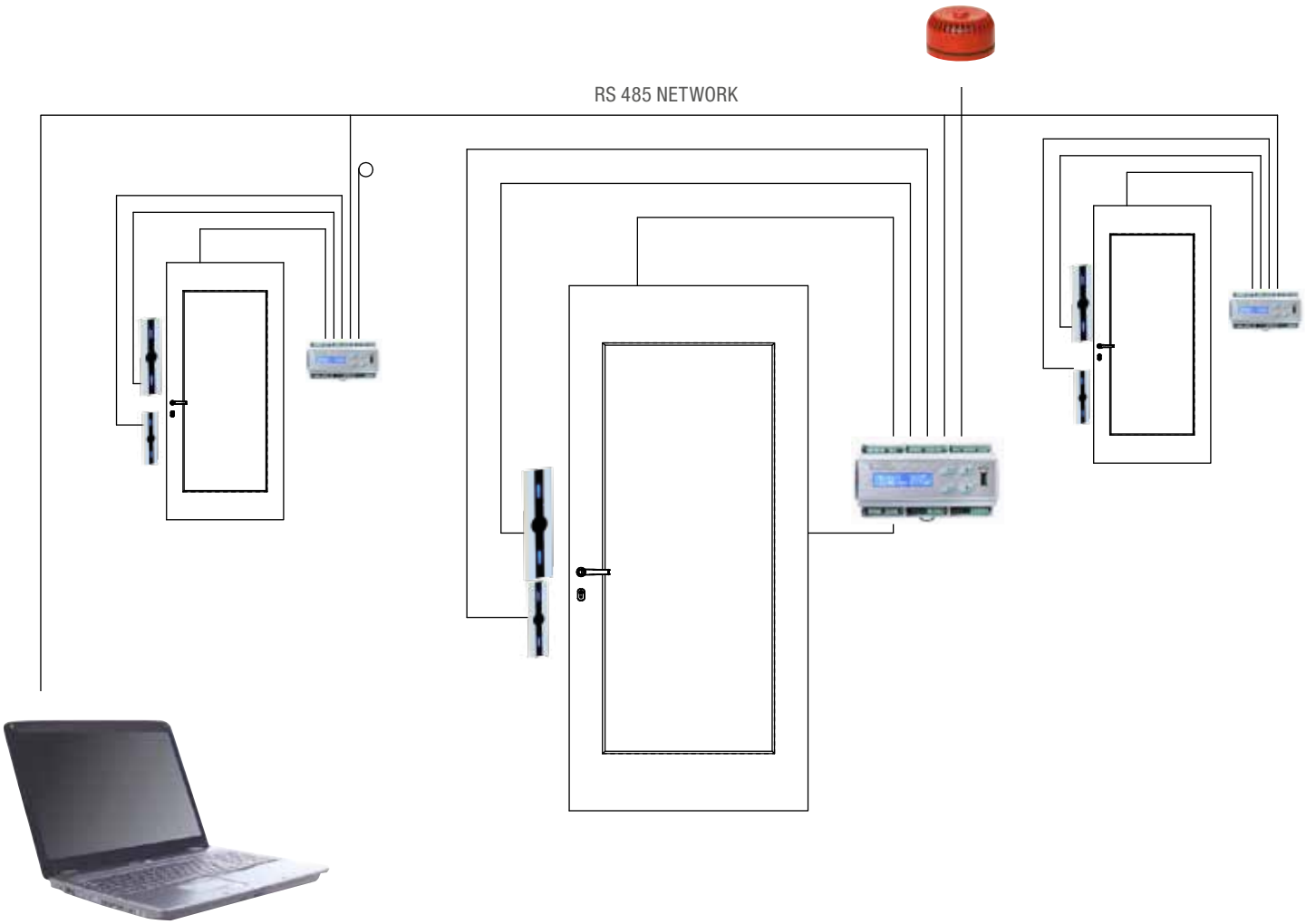
05913

SERIAL RS232 – ETHERNET CONVERTER

Container in black ABS
Dimensions (mm): 100 x 42 x 25
DB 9 pole connector for serial RS232 – 422 – 485 serial line selectable via dip switch
8 pole plug connector for connection to the network
Operating voltage: 12 Vdc/1A from included power supply
Use: The serial converter allows connection of devices (such as people counters) equipped with IP addresses via an Ethernet network. This way the people counter can be interrogated even from a remote PC via the local network or the internet.

Art.	Description
55622NET	**SOFTWARE FOR NETWORK ACCESS CONTROL** System for access control with network management by PC for RFID transponder readers, code keypads or magnetic badge readers Entering of an individual user badge A reader to the side of the PC and interfaced with it allows the saving of the magnetic card or transponder in the memory of one of the Multilinks Card entering (hereafter also understood as codes) with expiration date Entering of cards in groups with recording of sequential codes Entering of cards with 3 time slots Entering of debit cards (in entrances and/or fixed amounts) Association of personal data to the card Disabling of a single card Disabling of the cards in sequential groups Management of the card operation parameters (dates, time slots, enabled doors) Recognition of where the person is through the last badge readings with indication of the date, time, and door number Regulation of the lock relay opening time from 1 to 99 seconds “Manual” remote door opening (open/closed) Activation of the door relay in scheduled mode Total or individual reader block Emergency unlock (activation of all of the opening relays) Management of the date and time Anti pass-back management Verification operations from PC: Download movements by the name of the user associated with the accesses made Download movements by date (from day --- to day ---) of all of the enabled people Download movements by accesses (from door 1, 2, etc.) Download movements by hour/time slot Download movements by associated parameters (e.g. name – date – time – accesses) Check of incorrect codes read or attempts outside of the associated parameters Check of the card coupled to the code and vice versa in the case in which a code keypad is associated to the card reader Check and reporting of out-of-service readers Remote network operation and query Status of the active alarms Management of the event history Immediate events Operation of the system according to the different access levels




RS 485 NETWORK

NEW

Art.	Description
56611A	**MODULAR STAND-ALONE MANAGEMENT ELECTRONICS** Electronic circuit in white ABS container Container dimensions (mm) : 160 x 100 x 43 Operating voltage : 12 – 24 Vac/Vdc Absorbed current : 100 mA in stand-by / 600 mA at 12V and 300 mA at 24V with relay active LCD Display 3 digits in red colours 4 push buttons for programming with UP-DOWN-FUNCTION/ESC-ENTER Input for door opening from inside Input for blocking command Input for door sensor Buzzer Relay with C./NO./NC (24Vdc /10A max) adjustable from 1 to 60 sec. Alarm contact for the function of : Door forced Prolonged door opening from 0 to 60 sec Anti-tamper Connection with terminal readers via Flat-cable 10 poles or RS485 Up to 490 users Memorisation via card, transponder, iButton or activation code Deletion of single or entire user list Function: Programming of new user codes through master code Programming of cards / transponders / codes Variable length access codes with a maximum of 10 digits Programming new users Deletion of single user Deletion of the entire user list Relay adjustment setting Display of total users list Can be connected to 1 keypad series 55612 or 55612SS or 1 card reader 55613 or 55613AL or to 1 transponder reader 55614 - Input for indoor opening push buttons **Use:** stand-alone system for access control. Allows memorisation of user codes or cards managed directly by the user via activation and cancellation cards. Easy installation and programming, can be utilised to activate an electromechanical lock or motorisation.

Art.	Description

CODE KEYPAD

Container body in ABS, dimensions (mm): 129 x 46 x 30
Keypad with 10 numeric keys plus Enter button
Membrane front in polycarbonate, dome shaped keys with touch effect
Internal buzzer for key press indication
Operating Voltage: from electronics of Art. 55611NET and 56611A
Two coloured red/green LED for indication of operating status
Connection with the control unit: in TTL with ISO2 emulation
Tamper contact (active on Art. 55611NET)
Codes available comprised of 1 to 10 digits

55612 Housing in dark grey ABS
55612CR Housing in ABS with matt chromium finish

Note.: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between keypad and control unit

ANTI-VANDAL CODE KEYPAD

Front of body in stainless steel (mm) 94 x 73 x 4,5
Backlit keypad with 10 numeric keys plus Enter button
IP protection rating IP 65 for external operation
Internal buzzer for key press indication
Operating Voltage: from electronics of Art. 55611NET and 56611A
Red and green LEDs for indication of operating status
Connection with the control unit via flat cable or RS485

55612SS Flush mount keypad
55612SSC Rim keypad

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between keypad and control unit

NEW

ANTI-VANDAL CODE KEYPAD

Front of body in stainless steel (mm) 110 x 40 x 14
Backlit keypad with 10 numeric keys plus Enter button
IP protection rating IP 65 for external operation
Internal buzzer for key press indication
Operating Voltage: from electronics of Art. 55611NET and 56611A
Red and green LEDs for indication of operating status
Connection with the control unit via flat cable or RS485

55612PD Flush mount keypad, silver colour
55612PDN Flush mount keypad, black colour
55612PDC Rim mount keypad, silver colour
55612PDCN Rim mount keypad, black colour

N.B.: These items need to be connected with main electronics 55611NET or 56611A

Art.	Description

55613

MAGNETIC CARD READER

Swipe reader in black ABS
Base in silver anodized aluminium (black on request)
Dimensions (mm): 140 x 40 x 34
Operating Voltage: from electronics of Art. 55611NET and 56611A
Red and green LEDs for indication of operating status
Connection with the control unit: in TTL ISO2 standard

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between reader and control unit

55613AL

ANTI-VANDAL MAGNETIC CARD READER

Swipe reader in ABS in silver anodized aluminium.
Dimensions (mm): 68 x 29 x 30
Operating Voltage: from electronics of Art. 55611NET and 56611A
Red and green LEDs for indication of operating status
Connection with the control unit: in TTL ISO2 standard

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between reader and control unit

55614

TRANSPONDER CARD READER

Container body in dark grey ABS with front in polycarbonate
Dimensions (mm): 129 x 46 x 30
Operating Voltage: from electronics of 55611NET and 56611A
Transponder reader distance: 30 mm. (55616T and 55616W) - 100 mm. (55616)
Two coloured red/green LED for indication of operating status
Connection with the control unit: in TTL with ISO2 emulation
The transponder is based on the TAG format card operativity

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between reader and control unit

55614SC

TRANSPONDER CARD READER FOR CABINETS AND BOXES

Housing in blue Abs – dimensions 90x57x24mm
Operating Voltage: from electronics of 55611NET and 56611
Transponder reader distance: 30 mm. (55616T and 55616W) - 100 mm. (56616)
Two coloured red/green LED for indication of operating status
Operating technology in 125 Khz
Use: Trasponder reader for mounting behind panels, cabinets or doors.
Detection can be done through thimber, glass or plastic

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between reader and control unit

Art.	Description

TRANSPONDER READER

Front plate in anodised aluminium
External dimension 140x40x6 mm
Internal dimension 118x27x17 mm
Operating Voltage: from electronics of 55611NET and 56611
Transponder reader distance: 30 mm. (55616T and 55616W) - 100 mm. (56616)
Connection with the control unit: in TTL with ISO2 emulation or RS485
Three colours blue/red/green for indication of operating status

55614PD Front plate in s.a.a finish
55614PDN Front plate in black anodised aluminium

Note: These items need to be connected with main electronics 55611NET or 56611A

DALLAS IBUTTON READER

Front plate in anodised aluminium
External dimension 140x40x6 mm
Internal dimension 118x27x17 mm
Operating Voltage: from electronics of 55611NET and 56611A
Connection with the control unit: in TTL with ISO2 emulation or RS485
Three colours blue/red/green for indication of operating status

55618PD Front plate in s.a.a finish
55618PDN Front plate in black anodised aluminium

Note: These items need to be connected with main electronics 55611NET or 56611A

Packaging: with 10 metres of flat connection cable between reader and control unit

STAND-BY

TRANSPONDER ACCEPTED

TRANSPONDER NON ACCEPTED

Art.	Description

DALLAS IBUTTON READER - EXTENSION

Touch Key Reader body in stainless steel
Front plate dimensions (mm): 105 x 40 x 5
Two colours red/green LED for indication of operating status
Operating Voltage: from electronics of 55611NET and 56611
Connection with the control unit: in TTL with ISO2 emulation or RS485 (if combined with 55611NET)

58018ML Front plate in silver anodized aluminium
58018MLN Front plate in black anodized aluminium

Note: These items need to be connected with main electronics 55611NET or 56611A

BOX FOR SURFACE FIXING

Box in anodized aluminium:
External dimensions (mm): 140 x 40 x 20

05502PD Silver anodized
05502PDN Black anodized

Art.	Description

MAGNETIC STRIP CARD

Card for use with encoded user in 2nd track ISO2 standard
For use with card reader 55613 and 55613AL
300 OE magnetic strip
Dimensions (mm): 86 x 54 x 0.8

55615	OPERA silk screen in four colours
55615SLA	Custom silk screen in four colour on main side
55615SLB	Custom silk screen in four colour on both side

56616

56616T

56616W

TRANSPONDER

Transponder for encoded user use, based on operativity at 125 KHz
For use with transponder 55614 - 55614PD - 55614SC

56616	Card format in white colour, dimensions (mm): 86 x 54 x 0.8
56616SLA	Custom silk screen in four colour on main side
56616SLB	Custom silk screen in four colour on both side
56616T	Key fob format in grey colour, dimensions (mm): 40 x 31 x 4
56616W	Bracelet format in transparent plastic, dimensions (mm): 240 x 13

DALLAS IBUTTON

iButton body in chromium plated metal on black ABS support
dimensions (mm): 16 (diameter) x 5
Dimensions of the ABS support (mm): 53 x 15

58015	Key fob in black plastic
58015G	Key fob in yellow plastic
58015R	Key fob in red plastic
58015V	Key fob in green plastic

Use: operating key for access control Touch Key.
Note.: Each iButton key is unique and unrepeatable and there are no copies. If the key is lost it must be cancelled from the reader memory and replaced with a new one.

ELECTRIC HANDLE

ELECTRONIC HANDLE SET FOR ACCESS CONTROL SYSTEM

www.opera-italy.com

NEW

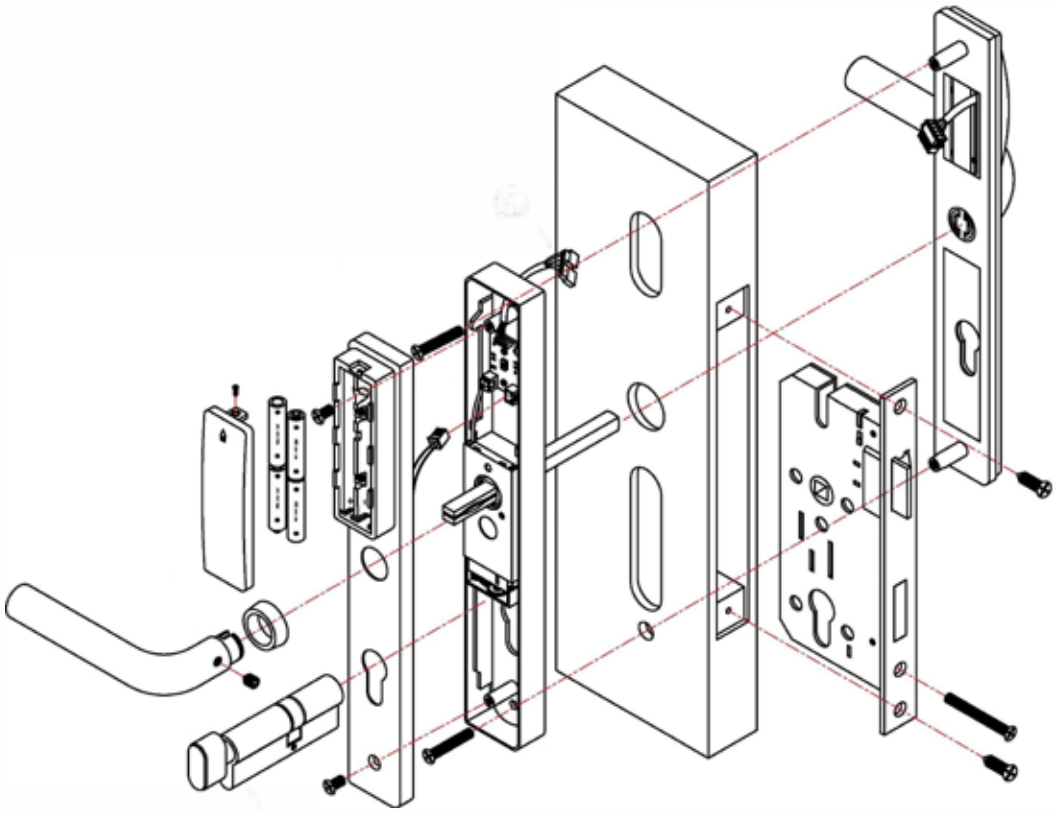
Art.	Description
	LEVER HANDLE ESCUTCHEON WITH RFID READER
	The Opera narrow body version is specially designed to fit most Euro profile doors, even narrow profile framed doors. This version works with Euro mortice lock axe distance 85mm.
	Square spindle 8mm
	Suitable door thickness: 32 to 70 mm
	Dimension of External Panel:L280MM*W40MM*H13MM
	Material: Stainless Steel, Moisture Proof ,Fire Retardant
	Non reversible - handed
	Operating Voltage: DC6V or 4 AAA Alkaline batteries
	Power saving design and the batteries duration over 1 year
	Power Consumption: Static Load<20 microamp
	Dynamic Load 100~150 mA
	Working Environment: 20%~90%
	Working Temperature: -50°~60°
	Lost user card suspension simply by issuing a new user card with suspending function
	Up to 100 users with different cards
	Use: It replace the mechanical handle. It is enabled by the RFID card
40814.1	Stainless steel finish – right hand – 125Khz ID chip
40814.2	Stainless steel finish – left hand – 125Khz ID chip
40814.1GD	Gold plated finish – right hand – 125Khz ID chip
40814.2GD	Gold plated finish – left hand – 125Khz ID chip
40814.1MF	Stainless steel finish – right hand – Mifare ID chip
40814.2MF	Stainless steel finish – left hand –Mifare ID chip
40814.1MFGD	Gold plated finish – right hand – Mifare ID chip
40814.2MFGD	Gold plated finish – left hand – Mifare ID chip

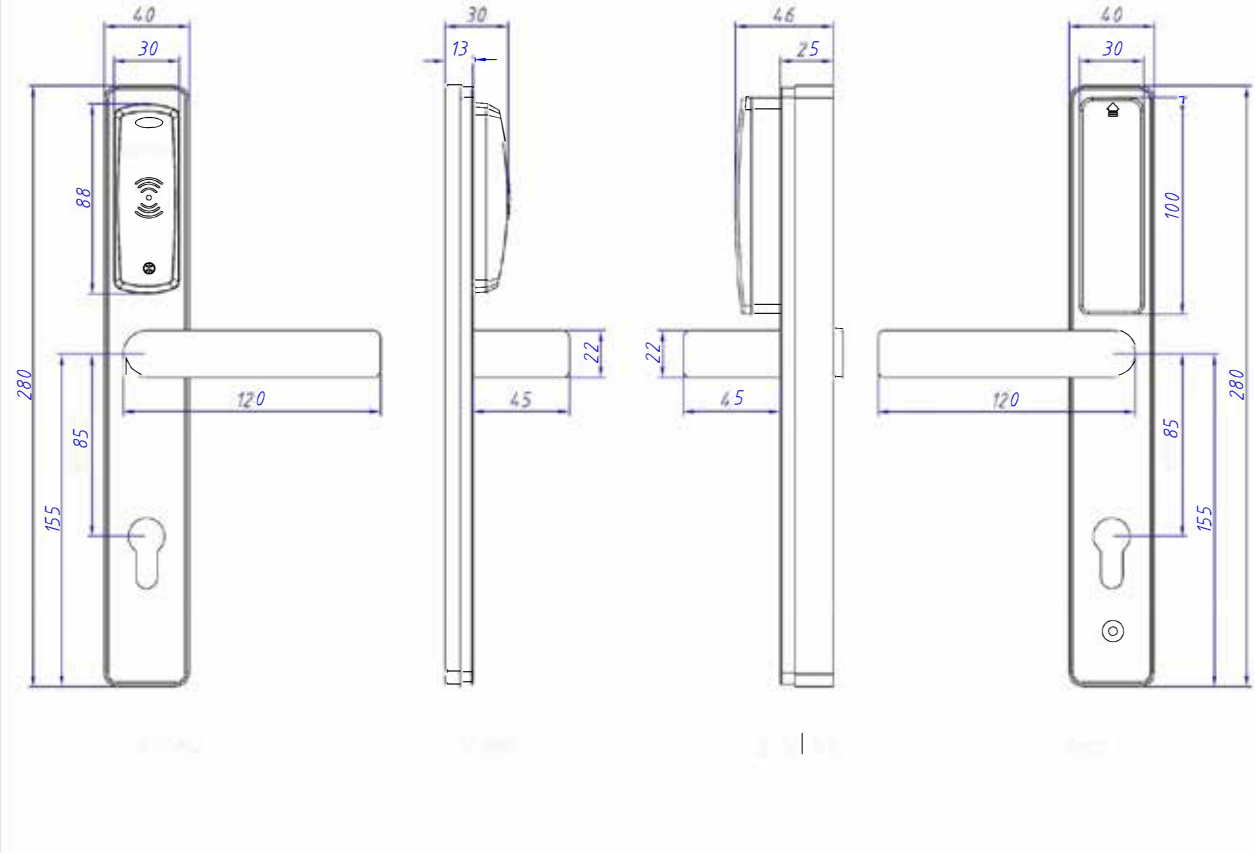
	TRANSPONDER
	Transponder, based on operativity at 125 KHz
56616	Card format in white colour, dimensions (mm): 86 x 54 x 0.8
56616SLA	Custom silk screen in four colours on main side
56616SLB	Custom silk screen in four colours on both side
56616T	Key fob format in grey colour, dimensions (mm): 40 x 31 x 4
56616W	Bracelet format in plastic, dimensions (mm): 240 x 13
	Transponder, based on operativity Mifare
55516	Card format in white colour
55516SLA	Custom silk screen in four colours on main side
55516SLB	Custom silk screen in four colours on both side

GD Version
External side
Right hand

ELECTRIC HANDLE

ELECTRONIC HANDLE SET FOR ACCESS CONTROL SYSTEM





NEW

Art.	Description
57401	**BLUETOOTH DOOR OPENER** Black Abs container, IP65 rated Dimensions: mm 114 x 70 x30 Voltage 12 to 24 Vdc Power draw: 10Ma in stand-by, 70Ma on load Relay Output: 5A/250 VAC, 5A/30VDC Bluetooth Spec: low energy 4.0 standard Operating Distance 50 meters Proximity Distance 1-20 meters Temperature: -10° to + 40 °C Status LED - Green: Door always unlocked - Blue: Power on, Standby mode - Blue Flashing: Bluetooth connection signal - Red: Door always locked 1 Master, 1000 Users, Mortise or surface mounted and anti-tailgated Built-in tamper switch and buzzer User management - 1. Add/delete/view user data - 2. Grant user access for specific dates or time periods - 3. Change user password - 4. Activity History tracks 1,000 records - 5. Bi-stable function to keep the door unlocked indefinitely **Use:** Easy and secure method of remote opening gates and doors from your smartphone via bluetooth connection. Free App for Android and iOS

Bluetooth door opener
Smartphone door or gate access using a bluetooth reader

Output
Bi-stable Output Relay

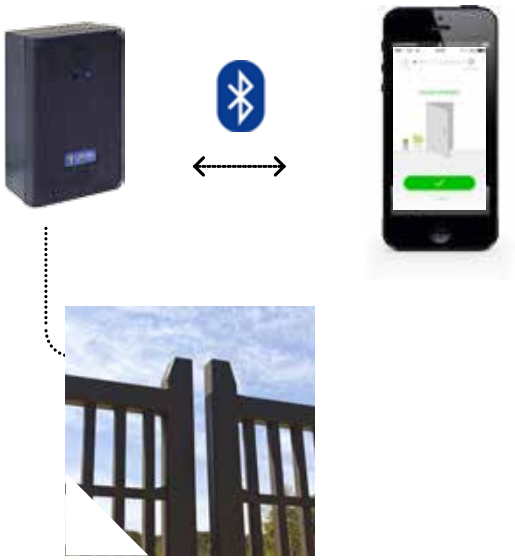
Programming
Download “OPERA 57401” App through Apple Store or Google Play

Users
1 Master. 1000 Users.

Housing
IP65 housing – weather proof

Activation
Relay is activated by manual input or hands free option

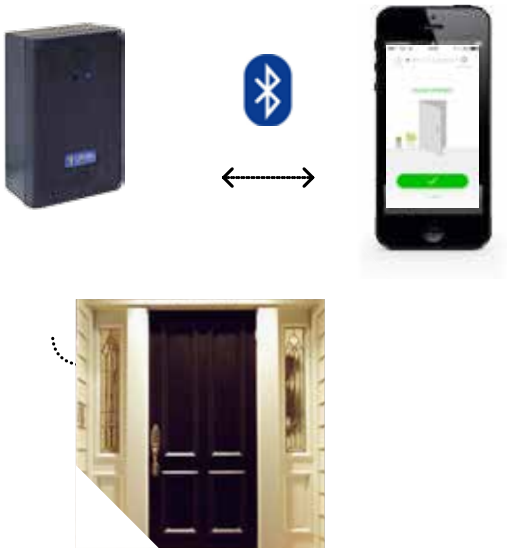
Working range
Operating distance for hands free option: up to 20 meters



RESIDENTIAL

Bluetech is an advanced system for opening a door or a gate. Easy and secure method of remote opening gates and doors from your smartphone via bluetooth connection.
Ideal for opening an electrically controlled door, gate or triggering an alarm system.

Any user can be registered with time zone and number of access. An event list is available directly on the App and it can be sent by email to a Pc.



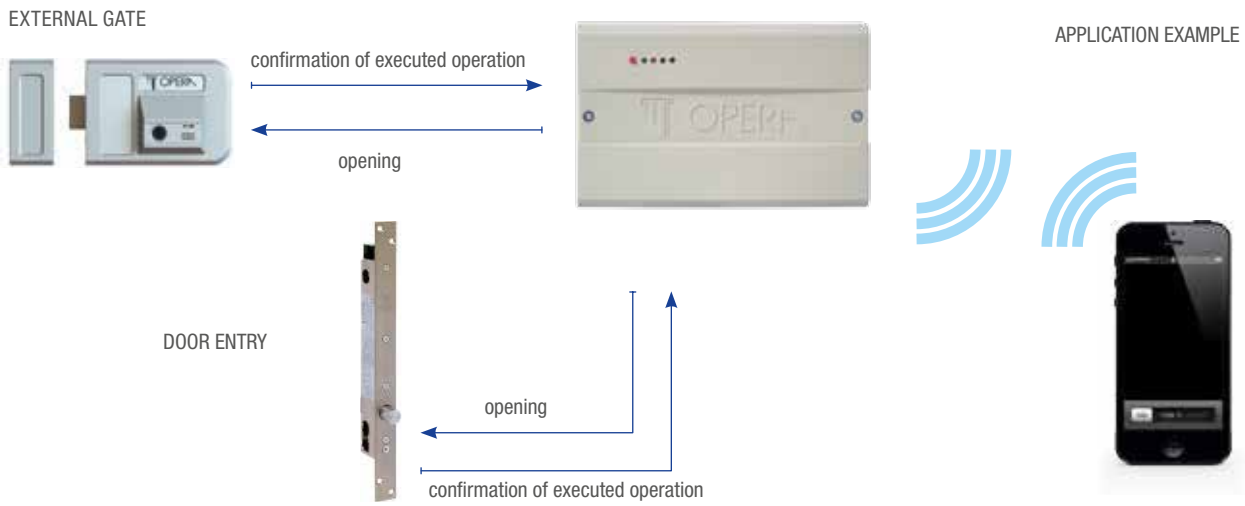
PLUS

- Easy and secure
- Weather resistant, surface mounted, and anti-tailgate protected
- Time zone controller for any user
- Built in relay to open a door lock with a smartphone

NEW

Art.	Description
	GSM DOOR OPENER White ABS enclosure body for wall mounting. Dimensions: mm 160 x 100 x 43 Power supply: 12/24 V DC – 12/18 V AC. Power draw: 90 mA at 12 V DC LED indicators on the front of the enclosure for: - Green LED for power - Red LED for output 1 active - Red LED for output 2 active - Yellow LED for connection active/faulty Internal GSM module – UMTS – 4G. SIM card slot Internal miniature rod GSM antenna. Signal strength recognition system of a specific GSM network without SIM inserted Mini USB connector for configuration and firmware upgrade Internal connections with screw terminals 2 relay output C/NO/NC (12 V/2 A max) independently selectable with timed monostable contact, timed from 1 to 60 s (eg. lock opening) or bistable contact (eg. activating and deactivating alarm) by mobile phone 2 inputs with selectable opto-insulated contacts (12/24 V AC/DC input) or with NO contact 3 selectable operation modes 1 - Call only 2 - Call or SMS 3 - SMS + security PIN code Functions: - Outputs controllable via SMS - SMS sending triggered by input activation (operation performed or alarm) - Internal memory with up to 1000 enabled telephone numbers - Password for administrator configuration - Configuration via SMS or Windows PC software - Activation selection by call or SMS - Activation selection using dedicated App - SMS confirmation of receipt of sent message (can be disabled) -Input contacts for confirmation via SMS of the operation performed -Administrators and users list via SMS -Event log via Windows PC software -SIM Card credit balance query -System lock/unlock command via SMS by administrator
57501 **57501RF**	GSM opener GSM Opener with radio module 433MHz

Use: remote activation system for opening doors, garage doors, activating alarms, turning on lights, irrigation systems, etc. Using the contacts provided, it can provide via SMS information about the activation of an alarm, the opening of a door, power failure in an apartment, etc.



Art.	Description

NEW

57512RF

RADIO CODE KEYPAD

Container body in ABS, dimensions (mm): 129 x 46 x 30
Keypad with 10 numeric keys plus Enter button
Membrane front in polycarbonate, dome shaped keys with touch effect
Internal buzzer for key press indication
Operating Voltage: 12Vac/dc
Two coloured red/green LED for indication of operating status
Radio connection 433MHz with GSM Opener 57501RF
Operating distance: 50Mt in open space
Codes available : Up to 1000

No wiring between keypad and GSM
Codes are programmable by SMS

NEW

57512SRF

ANTI-VANDAL RADIO CODE KEYPAD

Front of body in stainless steel (mm) 94 x 73 x 4,5
Backlit keypad with 10 numeric keys plus Enter button
IP protection rating IP 65 for external operation
Internal buzzer for key press indication
Operating Voltage: 12Vac/dc – 24Vdc
Red and green LEDs for indication of operating status
Radio connection 433MHz with GSM Opener 57501RF
Operating distance: 50Mt in open space
Codes available: Up to 1000

No wiring between keypad and GSM
Codes are programmable by SMS

It has to be used with module 57515RF

NEW

57515RF

RADIO REPEATER

Abs container, dimensions mm 129 x 46 x 30

It receives a radio signal from GSM Opener 57501RF and retransmits it to the Keypad 57512SRF or 57512RF

RS-485 cable connection with 57512SRF
Radio connection 433MHz with 57512RF

NEW

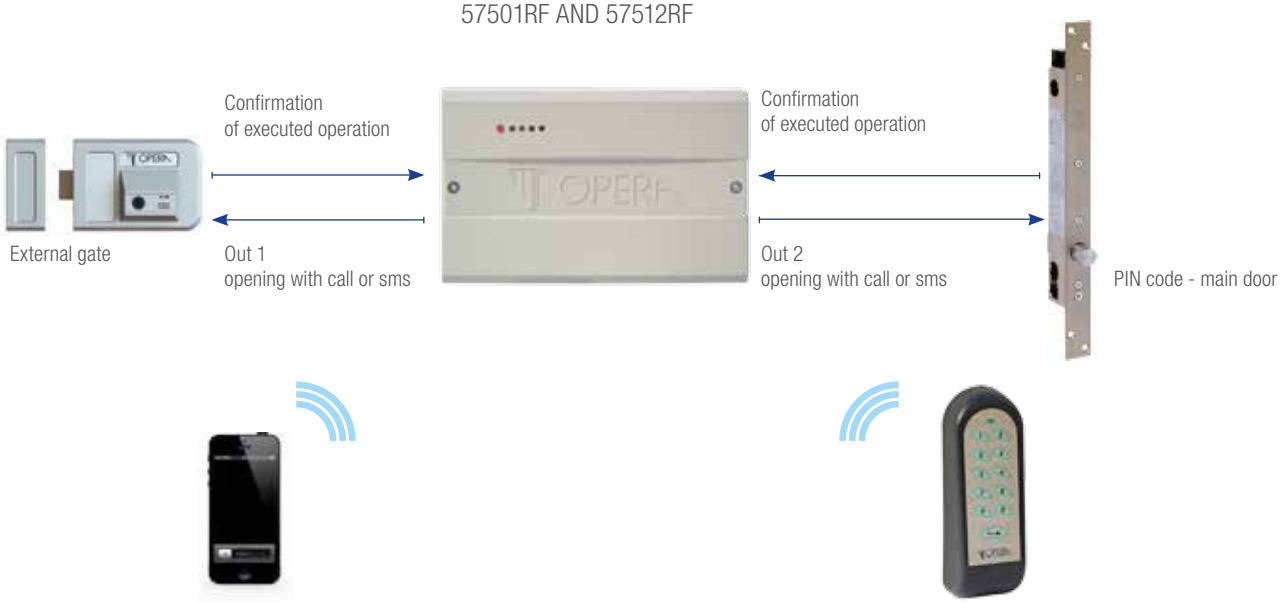
57516RF

RELAY MODULE WITH RADIO TRANSMISSION

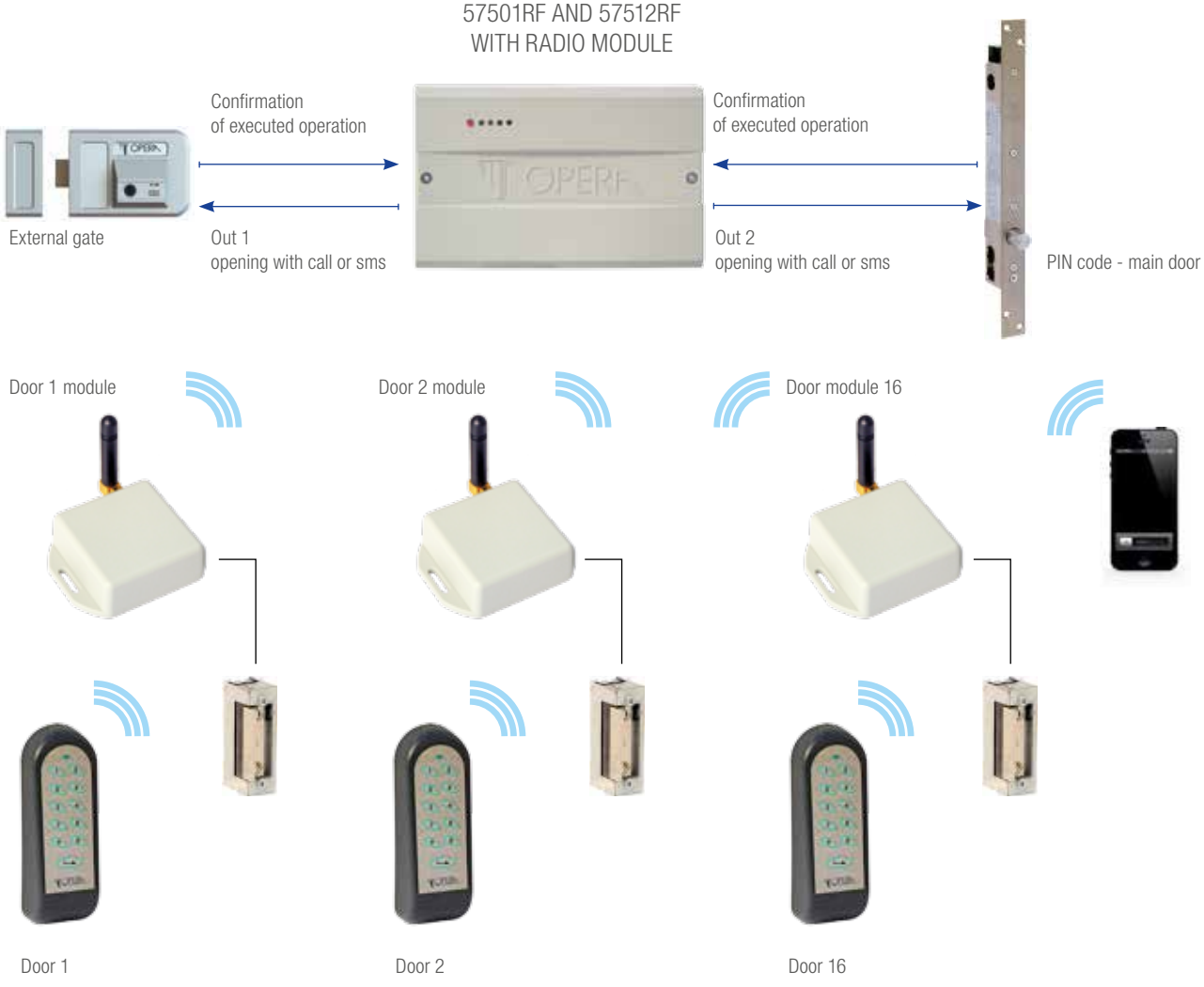
Abs white container, dimensions mm 66 x 50 x 20
Operating voltage 12Vac/dc – 24Vdc
Two coloured red/green LED for indication of operating status
Relay Output C./N.O./N.C. (12V – 2A max)
433Mhz Radio transmission to GSM Opener 57501RF or to Keypad 57512RF
Operating distance: 50Mt in open space
Up to 16 addresses with internal switch configurable

This relay module is triggered by GSM Opener 57501RF. Sending a specific SMS, you can activate a door lock, a light switch, watering system etc. If paired with keypad 57512RF or 57512SRF it allows the control up to 16 different keypads to manage 16 different doors with just one GSM opener. No wiring

APPLICATION SAMPLE 57501RF AND 57512RF



APPLICATION SAMPLE 57501RF AND 57512RF WITH RADIO MODULE



GSM Door Opener
Gsm door opener totally made in Italy, Internal GSM module SIM card slot

Output
2 relay output C/NO/NC (12 V/2 A max) independently selectable with timed monostable contact

Programming
Configuration via SMS or software provided

Telephone numbers
Internal memory with up to 150 enabled telephone numbers

Confirmation
SMS confirmation of receipt of sent message (can be disabled)

SMS notification
Using the contacts provided, it can provide via SMS information about the activation of an alarm, the opening of a door, power failure in an apartment

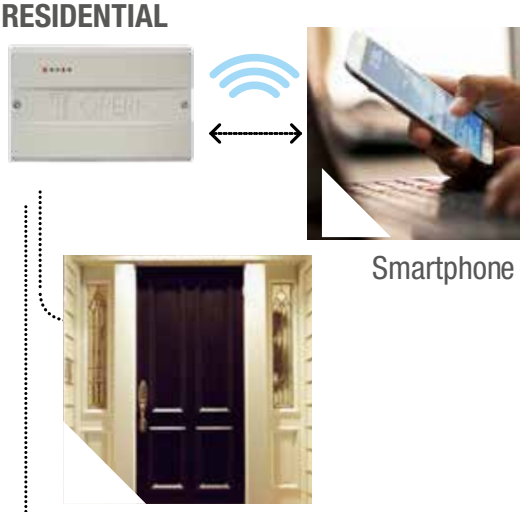
Free App
Free APP for managing SMS message and users' configuration

Radio communication
Radio transmission version if paired with radio keypad

Output activation
The GSM door opener rejects the call from authorized number then carries out the turn ON/OFF action on the first ring

Output
If paired with keypad 57512RF or 57512SRF it allows the control up to 16 different keypads to manage 16 different doors with just one GSM opener

RESIDENTIAL



Smartphone

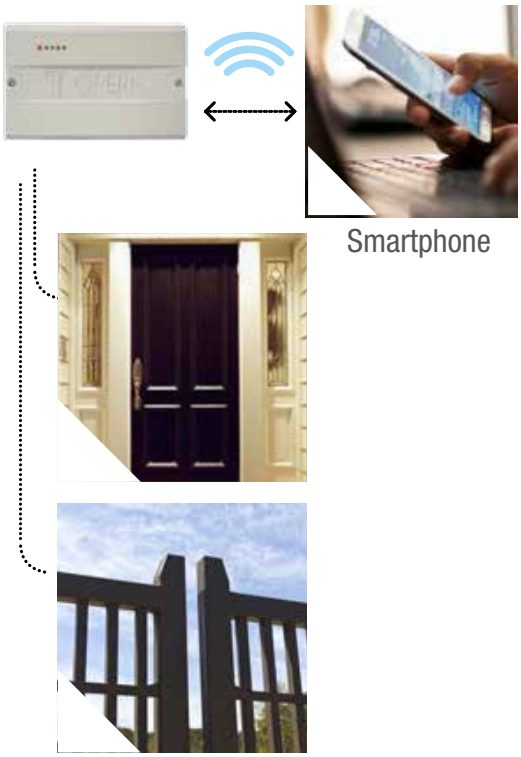
The Opera GSM door opener 57501 is a very simple device which can be used for authorized door access, controlling gates, switching of remote equipments, car parking systems.

The GSM door opener 57500 can be used in places which require turning ON/OFF your system; doors and gates can be operated remotely with a FREE call from your mobile phone.

No call charges. The GSM door opener rejects the call from authorized number then carries out the turn ON/OFF action on the first ring

The Opera 57501 will send SMS Alert the to owners immediately. This is very useful if you need protect your assets with low cost solution

BED & BREAKFAST



Smartphone

Door 1.....Door 16

PLUS

- Easy setup and use
- Open the door or the automatic gate by your mobile phone
- Event log via Windows PC software
- SMS confirmation of receipt of sent message

Art.	Description
57600	**MOTORISED IP CAMERA – HIT (HOME IN TOUCH)** The IP Camera is designed for all day video surveillance on your iPhone/iPad and Android mobiles/pads. Power supply : 12Vdc/1A Dimensions: mm.124 x 91x 100 The setup is truly 1-2-3 : Connect the camera to the network Download the app mCamView into your iPhone/iPad or Android View video by the camera ID/password The push notification is supported, so that you will get the notification from your iPhone/iPad and Android once there is any events detected through the PIR body sensor or sound detector on the camera, even when your mobile is on sleep mode. The pan/tilt functions allow the mobile user to pan./tilt the camera through a finger move on the mobile screen. You could monitor the whole room with a single camera. For day & night usage, there are two video sensors/lens on the camera, one for day and one for night. The day lens and night lens focus are separately tuned for day light and Infra Red light for best video quality. No ICR, no mechanical problem. Two-way audio is supported. You can monitor the synchronized video/audio and talk to or warn the people around the camera from your iPhone/iPad and Android once you got the push notification. There is a built-in speaker and a speaker jack is provided so that you could connect any high power speaker to the camera for your needs. The WPS(WiFi Protected Setup) is supported. You could set up the WiFi connection of the camera with the router by clicking the WPS button on the camera and on the router at the same time. No more complicated WiFi configuration. **Use:** The IP camera is ideal for securing small businesses, home offices and residences. The IP Camera is a perfect replacement of the alarm system and baby monitor in your house and shop.

All-in-one Pan/Tilt surveillance solution
The 57600 features a Pan/Tilt rotation and embeds a PIR and thermometer sensor. The camera itself will allow you to have full surveillance solution without the need to connect any other devices

Use the thermometer and the PIR sensors to have an optimum control of your home. You can assign alarms to these sensors to be notified whenever something abnormal occurs in your house

With the Time-Lapse recording function, things that happened during days or even years in real time can be played back over just a few minutes. The camera will take frames periodically according to the time interval and the frame rate you specify and will produce a time-lapse video

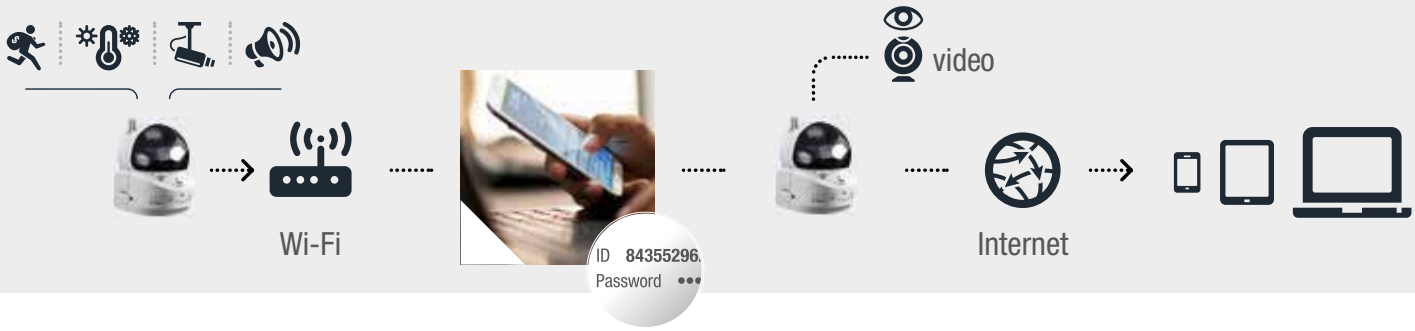
Night vision
Dual lens For day & night usage, the IP Camera features one single lens equipped by an Infrared cut-off filter. The Infrared filter will sense the luminosity of the room and will switch the filter to either day or night mode

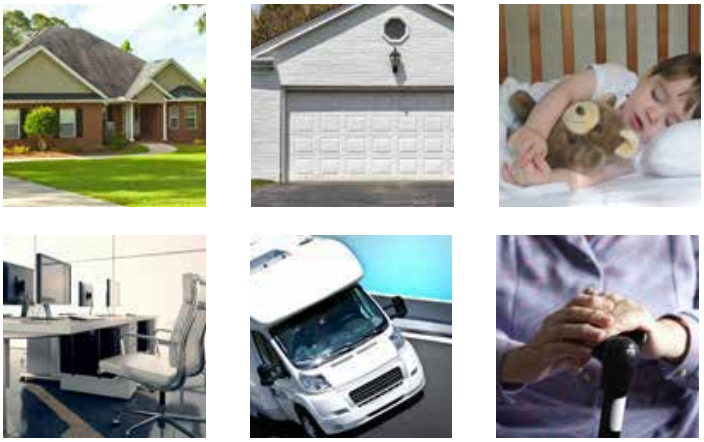
Two-way Audio
2way audio You can listen and monitor what is going on in your home and you can talk to the people in your house through your camera speakers

Push notification
You will be notified on your mobile devices when an event (motion or sound) is detected. Even if your mobile is in sleep mode, you will be notified anywhere, anytime if something abnormal is happening in your house

Recording on Micro SD Card
You are able to playback the recorded videos on your iPhone/iPad and Android devices.

- IP — Self-assigned IP
- MEGA PIXEL — Mega Pixel Risolution 1280 x 800
- PAN & TILT — Pan/Tilt rotation
- 24h — DAY/NIGHT double sensor
- 7M PIR — 7M Pir sensor
- Two-way Audio
- Thermometer and PIR sensor
- GB — Recording on Micro SD Card
- WPS (Wi-Fi Protect Setup)





Smartphone
Tablet
Portatile

Download on the App Store
Download for Android

The IP camera is ideal for securing small businesses, home offices and residences. The IP Camera is a perfect replacement of the alarm system and baby monitor in your house and shop.

Art.	Description

Screen size 3,2”

Screen size 4,0” HD

DIGITAL DOOR VIEWER

Size:
- 115(W) * 64(H) * 16(D)mm
- 122(W) * 66(H) * 16(D)mm

Power source: 3AAA Batteries (good for approx. 5000 “peep”)

Sensor:
- 1.3 Mega Pixel CMOS
- 2,0 Mega Pixel CMOS

LCD screen:
- 3.2” TFT 320x240
- 4,0” TFT800x480)

View angle: 160 degree

Fits door: 42-95mm (1.65”-3.74”)
Fits barrel hole: 14-28mm

Version 3,2”

57700	Silver colour
57700GD	Gold colour

Version 4,0”

57701	Silver colour
57701GD	Gold colour

00577	**On demand:** brass barrel for doors from 95 to 122mm

Door thickness
The door viewer can be installed on doors from 68 to 94mm thick. No need to make extra holes on the door to replace existing viewer

Sensor resolution
Cam sensor technology CMOS
1,3 MegaPixel for item 57700
2,0 MegaPixel for item 57701

LCD Monitor
3,2" (resolution 320x240) for item 57700
4,0" (resolution 800x480) for item 57701

Power
3 batteries AAA
4000 screen activation capacity

View angle
160° angle view

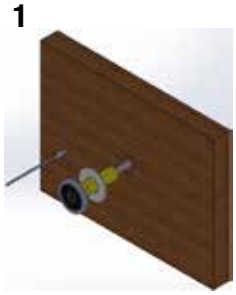
Monitor

Viewer both side

Outside camera

EASY FITTING IN 3 STEPS

1



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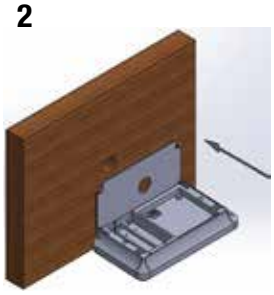
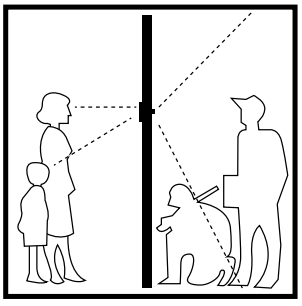


3

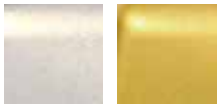
Lcd monitor 3,2"
Resolution 320x240
Dim. 115x64x16mm

Lcd monitor 4,0"
Resolution 800x480HD
Dim. 122x66x16mm



i-Vision is a new digital door viewer range 16mm thick. This device displays an image of the person who visits your door, providing a safe way to identify visitors and potential bogus callers before opening your door. Very clear image on screen, easy operation - just press the button, automatic switch off after 10 seconds

AVAILABLE COLOURS



Silver Brass

PLUS

- Elegant and thin design
- Easy mounting with no tools
- Easy batteries replacement
- Low consumption, automatic switch off after 15 seconds

Art.	Description
55640	**MAGNETIC CARD READER** **Insertion version** Manual insertion reader Front in silver anodized aluminium with backlit LCD display indicating the operational status Front plate dimensions (mm): 200 x 105 x 5 Internal dimensions (mm): 70 x 65 x 95 (max internal depth 100 mm.) Operating voltage: from remote management control unit Reading track: 2nd and 3rd ISO - ATM card, Visa Top Card, Prevident Card, Eurocard, Carta Sì, Mastercard, Eurocheque, Bancamericard, Bancoposta, American Express. Self-Service facilities management electronics Management electronics for microprocessor Automatic Teller Self-Service facilities Management electronics in metal inspectable box for wall mounting. Dimensions (mm): 340 x 270 x 120 Operating voltage: 29 Vac from external transformer (included) 230 Vac / 29 Vac power supply transformer Internal 12 Vdc / 1.8 A switching power supply with control circuit and backup battery charger Ready for 12 Vdc / 6.5 Ah battery Front panel with: Mains LED Low battery LED Control unit and reader Reset button 3 position key switch for selection of System Active / Day / Out of Order Operation times of door release, operation time and notification to the user, already programmed as standard N.O. input for the restart time button N.O. input for medical assistance sensor N.O. input for ABI codes activation Amplified output for connection of a loudspeaker Internal management of voice messages Management of alarm and medical assistance Output contact for management of a telephone dialler Lock opening contact: C./N.O./N.C relay (selectable) programmable 2 or 15 seconds N.O. input for door sensor Complete with management logic for security electric door strike series 346, 348. **Use:** ATM card and credit card reader for opening of automatic teller facilities doors, complete with control unit for management of operation times and medical assistance alarms. **On demand**: Special programme for management of a specific bank card

Art.	Description

05647 **RESTART TIME BUTTON**

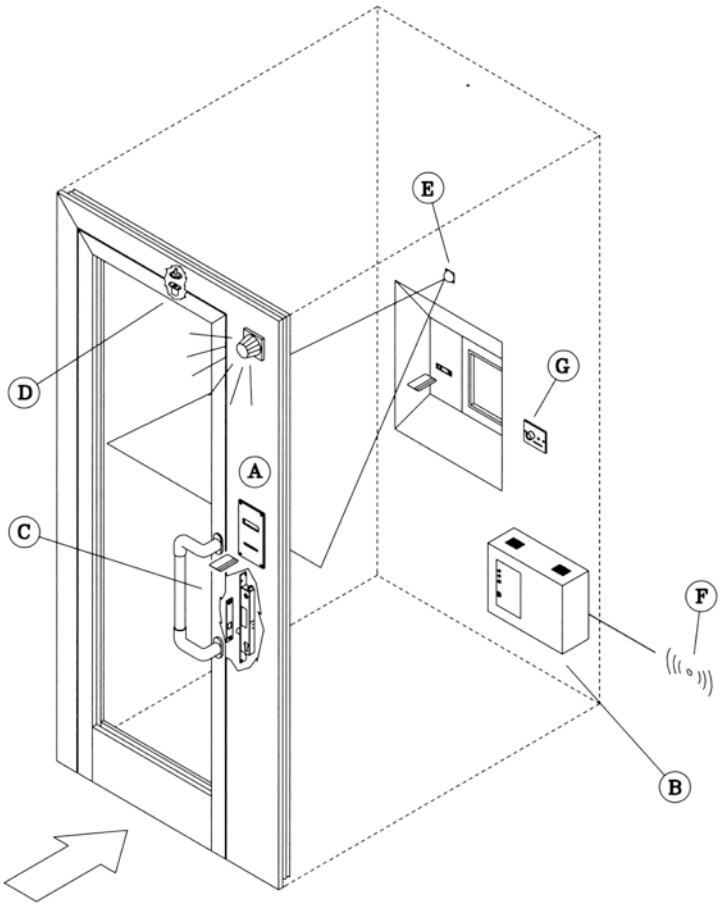
Red button with N.O contact
Front plate in black anodised aluminium
Dimensions (mm): 100 x 30 x 29
Red door open indicator LED
The button is predisposed to be mounted in a Ticino 503 type box

05648 **LOUDSPEAKER**

Loudspeaker for surface fixing in white ABS box for connection to voice messages
Dimensions (mm): 118 x 87 x 86
Power: 20 W / 4 ohm

05650 **OVERHANG CARTER**

Overhang carter in black painted steel for outdoor application of reader Art. 55640
Dimensions (mm): 205 x 112 x 110



LEGENDA

A Bank card reader
B Local control unit
C Solenoid lock
D Magnetic sensor
E Infrared sensor
F Emergency dialer command
G Restart time button

Art.	Description

MAGNETIC CARD READER

Swipe version

Swipe reader with Red and Green indicator LEDs for indication of operational status
Version in ABS dimensions (mm): 160 x 44 x 36 x 20 (internal depth)
Version in anodized aluminium, dimensions (mm): 68 x 29 x 30
Remote management electronics
Operating voltage: 12 Vdc. Current absorption: 50-100 mA
Lock opening contact: C./N.O./N.C relay (selectable) programmable 2 or 8 seconds
N.O. input for door sensor. N.O. contact for opening push button
Complete with management logic for security electric door strike series 346, 348

55641 Reading track: 3rd ISO - ATM
Version with reader in black ABS

55641AL Version with anti-vandal reader in anodized aluminium

55642 Reading track: 2nd and 3rd ISO - ATM card, Visa Top Card, Prevident Card, Eurocard, Carta Sì, Mastercard, Eurocheque, Bancamericard, Bancoposta, American Express
Version with reader in black ABS

55642AL Version with anti-vandal reader in anodized aluminiumo

Use: ATM card and credit card reader for door opening in automatic bank facilities.
On request: identification of a specific ABI code for opening with a card from the specific bank

MAGNETIC CARD READER

Insertion version

Manual insertion reader
Front in silver anodized aluminium Red and Greed LEDs indicating the operational status
Front plate dimensions (mm): 100 x 80 x 5
Internal dimensions (mm): 70 x 65 x 95
Management electronics mounted on the reader
Operating voltage: 12 Vdc. Current absorption: 50-100 mA
Lock opening contact: C./N.O./N.C relay (selectable) programmable 2 or 8 seconds
N.O. contact for opening push button. N.O. input for door sensor
Complete with management logic for security electric door strike series 346, 348

55643 Reading track: 3rd ISO - ATM

55644 Reading track: 2nd and 3rd ISO - ATM card, Visa Top Card, Prevident Card, Eurocard, Carta Sì, Mastercard, Eurocheque, Bancamericard, Bancoposta, American Express

Use: ATM card and credit card reader for door opening in automatic bank facilities.
On request: identification of a specific ABI code for opening with a card from the specific bank

05651

OVERHANG CARTER

Overhang carter in black painted steel for outdoor application of reader 55643 and 5644
DImensions: mm 106 x 86 x 110

Art.	Description
57300	**ANTI-VANDAL CODE KEYPAD**

Container body in anodized aluminium
Dimensions (mm): 151 x 44 x 24
Keypad with backlit buttons
Operating voltage: 12 Vdc
Absorbed current: 30 mA in stand-by / 60 mA with relay active
Internal buzzer for key press indication

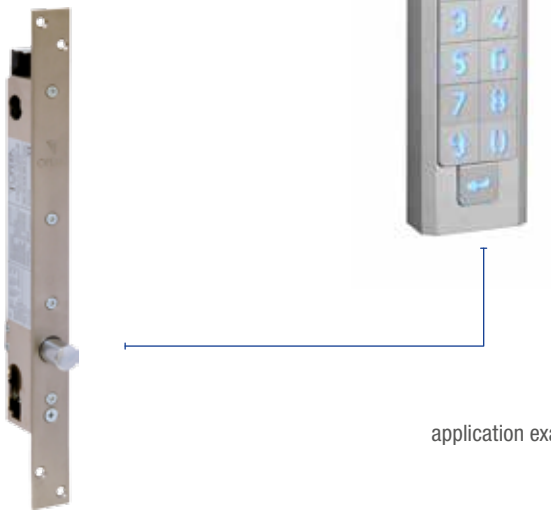
Housed-in electronics for:
Management of the lock opening command (management of 2 doors with only one keypad)
Tamper contact with alarm activation
IP rating: IP65
Built in electronic circuit inside the keypad
Timed output contact from 1-99 seconds for control of lock opening
Up to 1,000 codes can be memorised
Up to 10 transponder cards at 125 KHz can be memorised
Programming of access with only PIN, only transponder or PIN + transponder
Memorisation of separate codes for door 1 or door 2
Activation of tamper alarm

Code cancellation: single or total
Keypad with 10 numeric keys plus Enter button
Call push button can be activated
Block of keypad operation after insertion of three incorrect codes with activation of the alarm and timed auto-reset contact
Input for door sensor with N.C. contact (open with door closed)
Relay 1 with C./N.O./N.C contacts for opening of electromechanical locks
Relay 2 with C./N.O./N.C contacts selectable alternatively for:
- alarm signalling (burglary, invalid codes)
- door opening

application example

NEW

Art.	Description
	KEYPAD – STAND ALONE Container body in anodized aluminium Flush version - Dimensions (mm): 110 x 40 x 15 Rim version – Dimensions (mm) : 110 x 45 x 3 Keypad with backlit buttons Operating voltage: 12 Vac/dc – 24 Vac/dc Absorbed current: 30 mA in stand-by / 60 mA with relay active Internal buzzer for key press indication **IP rating: IP65** **Housed-in electronics for:** Management of the lock opening command Output relay N.O – N.C – (12/24Vac/dc – 1,5A max) Timed output contact from 1-99 seconds for control of lock opening Up to 500 codes can be memorised from 2 to 6 digits Input N.O for door opening command Code cancellation: single or total Keypad with 10 numeric keys plus Enter button Block of keypad operation after insertion of 5 incorrect codes with activation of auto-reset in 1 minute
57312	Flush version – silver finish
57312N	Flush version – dark finish
57313	Rim version – silver finish
57313N	Rim version – dark finish



application example

NEW

Art.	Description
57320	**WIRELESS KEYPAD & PROXIMITY READER** Container body in black ABS Keypad dimensions (mm): 135 x 54 x19 Radio push button dimensions (mm) : 83 x 40 x16 Controller dimension (mm): 65 x 54 x 19 Power supply: Keypad: 3units of AAA batteries Controller: 12Vdc Push button: 2023 Lithium battery Operating temperature: -20° +60° Frequency operation: 2,4 GHz – rolling code Code cancellation: single or total 500 PIN / card users - 125KHz EM Card PIN length: 4~8 digits Communication distance : 15m Max Pulse mode, toggle mode Tri-colour LED status display Ultra-low power consumption (wireless keypad<10uA, Wireless Exit Button: <10uA) Block of keypad operation after insertion of 10 incorrect codes with activation of auto-reset in 10 minutes Easy to install – wireless keypad Standard package is controller + keypad + wireless exit button

application example

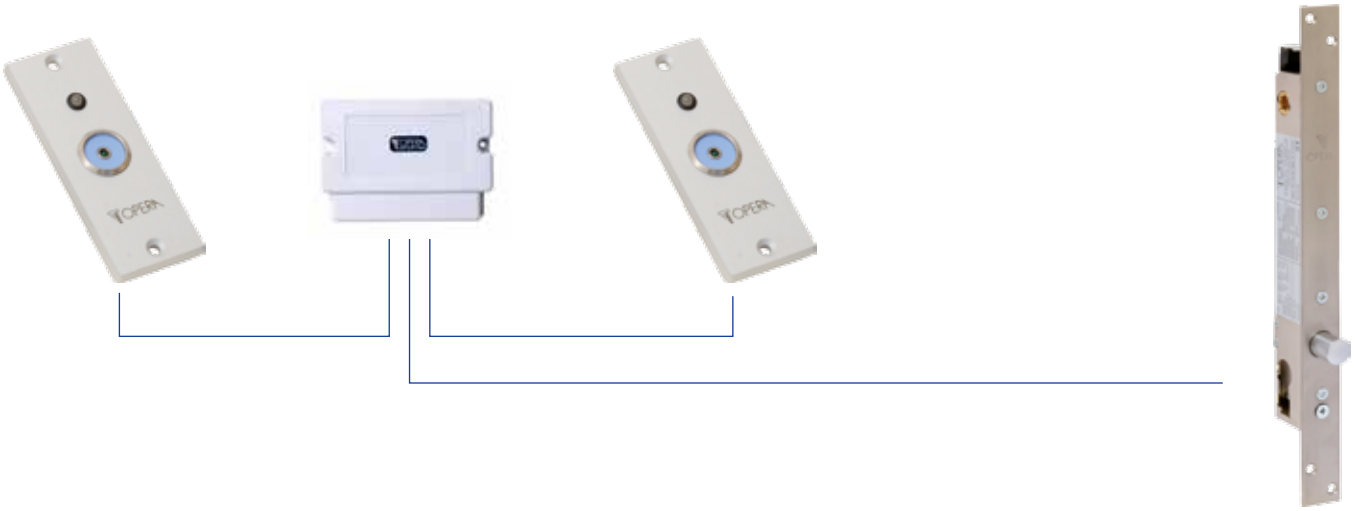
Internal Push button

Wireless Keypad

Art.	Description
	TOUCH KEY READER
	Touch Key Reader body in stainless steel
	Front plate in anodized aluminium
	Front plate dimensions (mm): 105 x 40 x 5
	Electronic circuit in white ABS container
	Container dimensions (mm): 111 x 72 x 29
	Operating voltage: 9 Vac / 12 Vdc
	Absorbed current: 10 mA in stand-by / 40 mA with relay active
	Operating key Dallas (sold separately Art. 58015)
	Supply of 2 Dallas Master system keys:
	1 “Green” programming key
	1 “Red” cancellation key
	Relay for door opening contact selectable in monostable or bistable mode
	Programmable users: 500
	Two colours red/green LED for indication of operating status
58000	Anodized silver front plate
58000N	Anodized black front plate
	Use: the stand-alone system for access control Touch Key is based on the operativity of the Dallas key which, being unique and unrepeatable, provides the highest standards of security.
	Easy to install and program, it can be used for electromechanical lock release, motorisation or, selecting the bistable relay, to arm or disarm an alarm system.
	Also ideal for use in applications where the reader must be exposed to weather conditions
	TOUCH KEY READER SUPPLEMENTARY READER
	Touch Key Reader body in stainless steel
	Front plate dimensions (mm): 105 x 40 x 5
	Two colours red/green LED for indication of operating status
	Use: supplementary indoor reader for Touch Key Reader
58013	Front plate in silver anodized aluminium
58013N	Front plate in black anodized aluminium
	DALLAS IBUTTON
	iButton body in chromium plated metal on black ABS support
	dimensions (mm): 16 (diameter) x 5
	Dimensions of the ABS support (mm): 53 x 15
58015	Key fob in black plastic
58015G	Key fob in yellow plastic
58015R	Key fob in red plastic
58015V	Key fob in green plastic
	Use: operating key for access control Touch Key.
	Each iButton key is unique and unrepeatable and there are no copies.
	If the key is lost it must be cancelled from the reader memory and replaced with a new one.
	BOX FOR SURFACE FIXING FOR TOUCH KEY READER
	Box in anodized aluminium:
	External dimensions (mm): 105 x 40 x 20
05501	Silver anodized
05501N	Black anodized

DALLAS SYSTEM WITH ENTRY READER ONLY

DALLAS SYSTEM WITH ENTRY AND EXIT READER



Art.	Description

Stand Alone

with remote electronic

BIOMETRIC

The Biometric reader is a simple one-door standalone biometric system.
The programming is fast and easy.
The reader can store up to 100 finger templates (97 users and 3 administrators). It has one relay output and one exit button input.
If secure installation is needed, the reader can be connected to a remote relay unit in the secured area (item 58200SB) which also plays the role of an exit push button.
The complete setup and programming can be done only by scrolling and tapping on the sensor.

Mounting: Surface mount
Housing Moulded Aluminium
Colour Silver, Red, Green, Dark Grey, Blue, White
Fingerprint Capacity: 97 + 3 templates
Output 1 x Relay (1 A /24V AC/DC)
Push Button Input: Yes
Door Open Time Pulse (1 to 60sec) or Toggle(ON/OFF)
Entry Mode: Finger
Programming: By scrolling and tapping on the sensor
Master/Admin Fingers: 1 Master and 2 Admin Fingers
Image resolution Up to 508 DPI
Backlight ON/OFF: Yes
Buzzer ON/OFF: Yes
Firmware upgrade: via RS485 converter and windows application
Current Consumption 100 mA max.
Power Supply 9-14 V DC
Indication Tricolor Status LED and 4 x Programming LEDs
IP Factor: IP65
Storage/Operating Temperature: -20°C to +50°C
Storage/Operating Humidity:5% to 93% RH without condensation
Dimensions (mm): 92x51x25

58200SA	Stand alone version
58200SB	Security version with remote electronic

NEW

05820

REMOTE ELECTRONIC

Container in ABS – dimension mm 90 x 36 x 32 – mounting on DIN rail
Power supply: 9-14 Vdc –
Power consumption: 80 Ma
Transmission with biometric reader: RS-485
N.O contact for door opening
Working temperature: 0 +40°C
IP Rate: IP31
3 relay output (24Vac/dc -3A) for opening of 2 electric locks
Relay activation time: impulsive (1,3,5,10,20,30,60 sec) or bi-stable (On/Off)

05821

COVER CARTER

Overhang carter in ABS for outside application
Dimensions: 130x78x30 mm

Applications examples
Stand Alone

Applications examples
Remote Electronic

STAND-BY

FINGER PRINT
ACCEPTED

FINGER PRINT
UNKNOWN

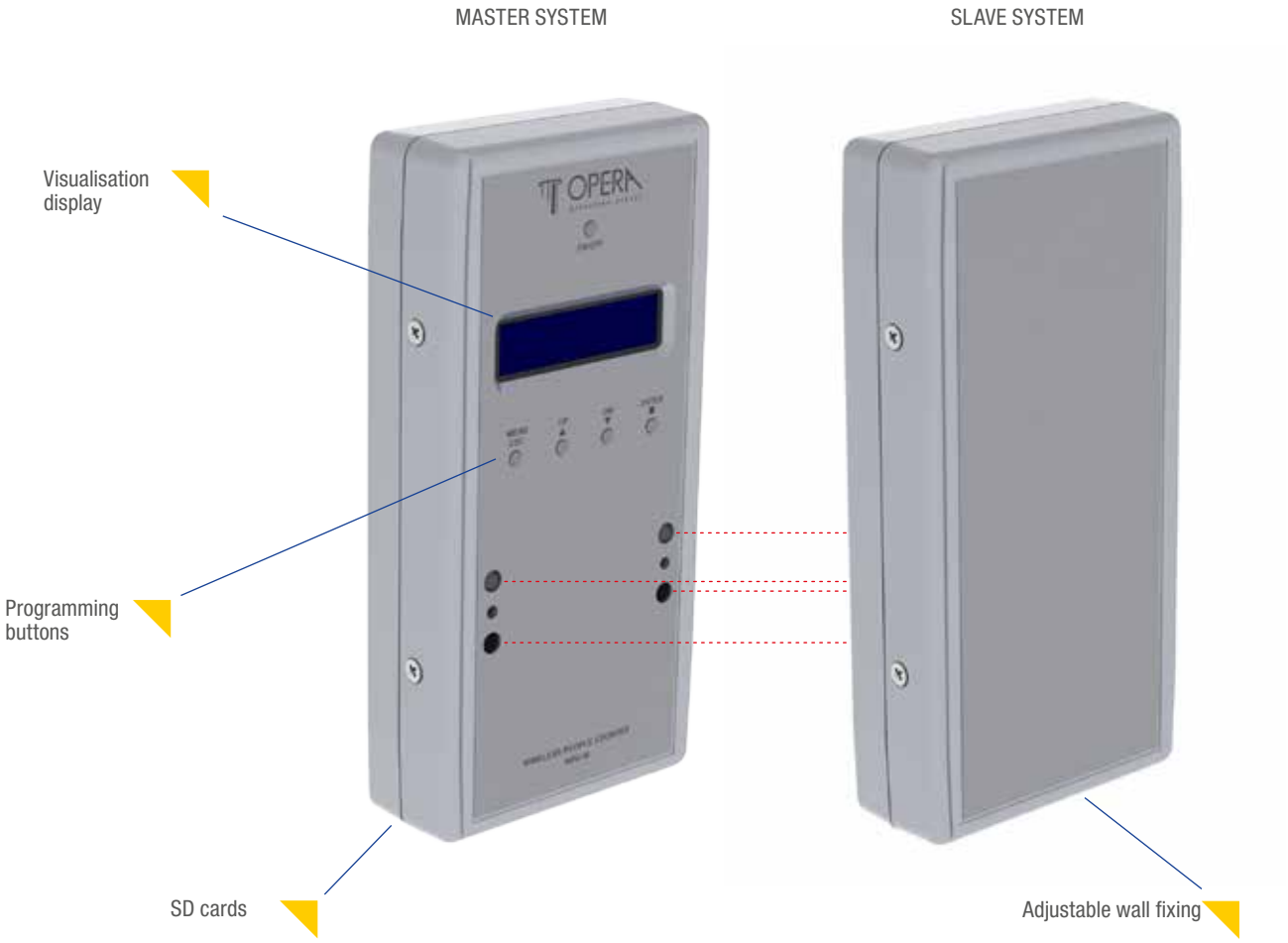
PEOPLE COUNTER

- WIRE FREE ADVANCED SYSTEM TO CALCULATE STAFF TRANSIT
- BATTERY POWER SUPPLY
- STAND ALONE FONCTIONNING
- WIFI TRANSMISSIONS TO THE HUBS
- HUB WITH ETHERNET CONNECTION

WIRELESS PEOPLE COUNTER
WPC-M

PEOPLE COUNTER

www.opera-italy.com



PLUS

- Reduced dimensions
- Codified infrared system with battery power supply
- Uni or bidirectional transit counter
- Wire free easy installation
- Stand Alone version with data download on SD card
- Radiofrequency version for data download on the Hub
- Data Hub with Ethernet connection for PC access

PLUS ESEMPIO

- Wi-fi fonctionning
- Bidirectional entry and exit counter
- Wi-fi data download and query by the Ethernet network

Art.	Description

PEOPLE COUNTER

Electronics in ABS enclosures
Dimensions: mm 165 x 80 x 35
Rated voltage: 3.6 V - power draw < 3 mW
Power supply: 3 x 3.6 V AA size Lithium thionyl chloride non rechargeable batteries. Operation over 1 year 59000
Protection circuit against incorrect battery installation
Version without batteries: 9 Vac/12 Vdc from inner terminals
Front panel with LCD display 2 x 16 characters: mm 55 x 16
Programming buttons from Master circuit
USB port for firmware upgrades
SD card slot for data storage and transfer to PC when used in stand-alone version
Configurable addressing from 1 to 10 when used with the concentrator connected to the PC
Data transfer to concentrator via 433.125 MHz radio frequency module
Real time clock/date
Data storage on non-volatile memory for 12 months period, 24 hours per day with details for each hour
Photoelectric barrier in two-way or one-way version
Controllable doors:
- 1 for the two-way version with maximum distance between the projector and receiver of 5 or 8 m (selectable)
- 1 for the one-way version with maximum door width of 2.5 m with reflector

Display information:
- Date and time
- Total entered
- Total exited
- Present in day
- Average presence in day
- Maximum presence in day
- Total presence since a pre-set date

Programmable settings for:
Date and time
Activation of “beep” function for each passage
Programming access password
Configurable door direction
Activation/deactivation reset time
Set maximum number of presences
Reset data in memory
Display terminal number
Photocell alignment test
Restore factory settings
Multilanguage support (Italian/English)
Stand-alone version

BIDIRECTIONAL VERSION

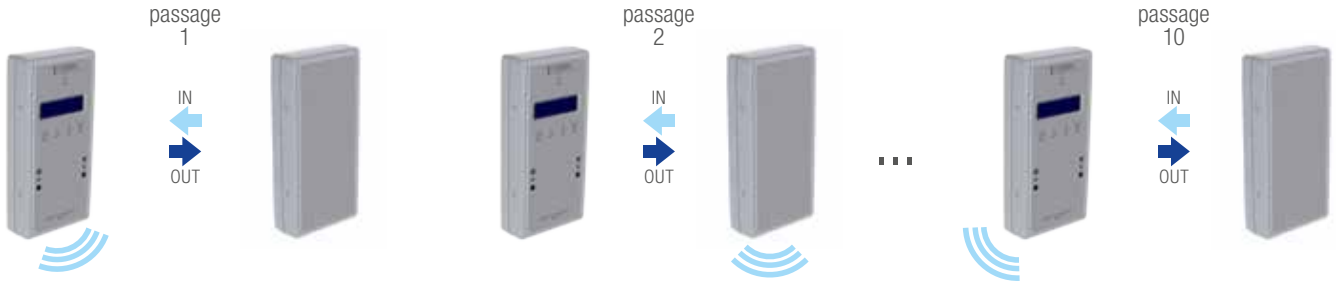
UNIDIRECTIONAL VERSION

59001	One-way version
59002	two-way version
	RF version for use with data router
59001RF	One-way version
59002RF	two-way version

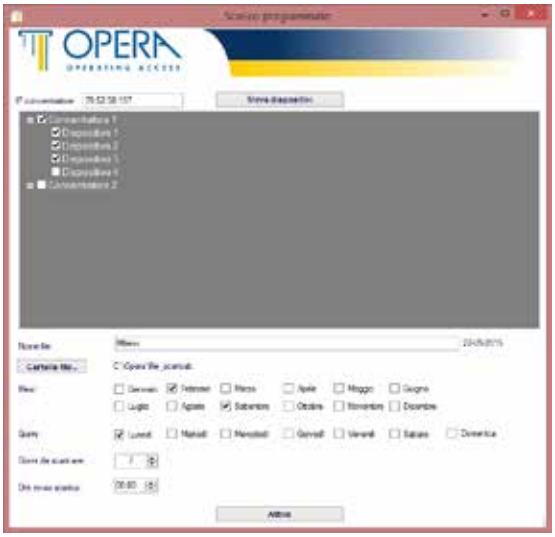
Use: monitoring the number of people within a room (public offices, exhibitions, museums, conference halls, supermarkets, etc.)

Art.	Description
05914	**WI-FI DATA ROUTER** Box in black ABS Dimensions (mm): 92 x 66 x 27 Power supply: 5Vdc from power supply on Usb connector (supplied) Nominal tension: 3,3Vdc Power consumption: < 30mW RJ45 plug-in for Ethernet connection Ethernet controller IEEE 802.3 compatible Transmission to Mini Counter people by radiofrequency 433 Mhz 99 channel Set up and configuration by Micro USB port Web server housed in to view data of Mini counter via Lan Network. Static IP address is required **Use:** Data centre for Wireless Counter people
05916	**SD MEMORY CARD** Memory card for storage of data
05917	**BATTERIES 3,6 V - AA** 3 batteries needed for people counter

APPLICATIONS EXAMPLES



Art.	Description
05912WEB	**VIEWING/DOWNLOADER SOFTWARE** Software supplied on auto-installing CD-Rom for connection of the Mini Counter People system with a PC for viewing from a local station via RS-232 or remotely via converter Art. 05913 of the current status of presences inside the monitored facility. On the monitor the following is shown: - The customer's name on the header (i.e.: Museum of Fine Arts) - Number of people who have entered - Number of people who have exited - Number of people present - 3 presence thresholds with different colouring on the screen and viewing in red of exceeded pre-established maximum thresholds The program allows: - Downloading of the data with reference to the presences in a period of time, setting a start date and an end date - Downloading of the data setting a time interval - Memorising the status of the presences in a determined moment **Use:** this software allows downloading of the data stored in the memory of the people counter, placing it on a PC in an Excel file. The data is shown subdivided into Entrances, Exits and Presences in one hour intervals. This way the data is easily managed for preparation of statistics with reference to the presences within a predetermined period of time.



Art.	Description
59013	**PALM PEOPLE COUNTER** Container in black ABS Dimensions (mm): 105 x 58 x 18 2 x 16 character LCD display Operating voltage: 3 Vdc via 2 AAA type batteries – 1.5 V Front label in polycarbonate with 4 buttons In / Out / Set / OK Monitoring of bidirectional or mono-directional passages Memorisation and upkeep of 30 days or 790 hours on non volatile memory Battery status indicated on display View on display: - Date and time - Total entrances per single hour - Total exits per single hour - Total presences per single hour Settings programmable for: Date and time People Counter Reset “Beep” function for every passing Zero out data in memory Automatic shut down **Use:** monitoring of the number of people present in a room (public offices, exhibits, museums, conference rooms, supermarkets, etc...)

Art.	Description
	Common characteristics: High security 9 pin key cylinder. Body in nickel plated brass with tamper insert and pins in hardened anti-drilling steel. Built in accordance with EN1303 standards, grade 6 durability, grade 5 security. Number of combinations: more than 300,000. Flat key in nickel plated brass, reversible.Supplied with certificate of ownership
	DOUBLE FLAT KEY SECURITY CYLINDER European profile cylinder body - Nickel plated finish Supplied with 3 keys
08010 06	Dimension 60 mm. (30 + 30)
08010 07	Dimension 65 mm. (30 + 35)
08010 08	Dimension 70 mm. (35 + 35)
08010 09	Dimension 70 mm. (40 + 30)
08010 10	Dimension 80 mm. (40 + 40)
08010 11	Dimension 80 mm. (45 + 35)
08010 12	Dimension 85 mm. (45 + 40)
08010 13	Dimension 90 mm. (45 + 45)
08010 14	Dimension 90 mm. (50 + 40)
08010 15	Dimension 90 mm. (55 + 35)
08010 19	Dimension 100 mm. (50 + 50)
08010 20	Dimension 100 mm. (60 + 40)
08010 21	Dimension 100 mm. (55 + 45)
08010 22	Dimension 100 mm. (70 + 30)
	HALF FLAT KEY SECURITY CYLINDER European profile cylinder body. Matt nickel plated finish Supplied with 3 nickel silver keys
08030 01	Dimensions 40mm. (30 + 10)
08030 04	Dimension 45 mm. (35 + 10)
08030 05	Dimension 50 mm. (40 + 10)
08030 06	Dimension 60 mm (50 + 10)
08030 08	Dimension 70 mm. (60 + 10)
08030 11	Dimension 80 mm. (70 + 10)
08030 13	Dimension 90 mm. (80 + 10)
08030 20	Dimension 100 mm. (90 + 10)
08040 00	**KEY SWITCH** Key switch with N.O. contact 90° rotation with automatic return of the key - Supplied with 3 keys
01808	**EXTRA KEY**
KA	**UNIQUE ENCRYPTION PER CYLINDER (KA)** Supplement for unique encryption per formed cylinder
	TAMPER DEFENDER Matt chromium plated body in hardened steel Rotor in hardened steel Dimensions (mm): 70 x 30 x 8 Fixing without through bolt holes with burglar block with cylinder inserted Usable with cylinders which protrude up to 4 mm. For greater protrusions special 1 mm. shims can be used up to the desired protrusion. **Use:** tamper defender for security cylinders. Can be used with all cylinders mounted on electromechanical locks and solenoid locks
02250	Defender
02251	1 mm. shims in steel

GENERAL SALES CONDITIONS

These general sales conditions, save any modifications or variations agreed upon in writing, govern all sales contracts between us and the purchaser, thus including the contract concluded with the acceptance of the order as well as any future contract related to the supply of our company's products ordered with subsequent and distinct commissions.

Opera Srl sells only to professional customers. The customer, buying Opera products, assures to use it just for purposes related to his professional activity.

Prices:
Price list is in EURO and without taxes.
Prices do not contain freight cost and invoicing cost when due.
All invoices will be raised in EURO

Shipment:
National shipment (Italian territory):

- Net value of order, without taxes, is lower than Eur. 800,00 - Transport is paid til customer's premises, with charge in the invoice of the freight cost. The carrier is selected by Opera. In case the customer wish to use his own carrier or to select another carrier, the transport will be Ex our Work. In this case the freight costs are totally handled by customer/receiver.

- Net value of order, without taxes, is lower than Eur. 50,00 - Transport is paid til customer's premises, with charge in the invoice of the freight cost. The carrier is selected by Opera. - There is an extra charge of Eur. 10,00 for invoicing cost.

Payment term is always up front or advanced.

- Net value of order, without taxes, is higher than Eur. 800,00 - Transport is paid til customer's premises, with no charge in the invoice for freight cost. The carrier is selected by Opera. In case the customer wish to use his own carrier or to select another carrier, the transport will be Ex our Work. In this case the freight costs are totally handled by customer/receiver.

International shipment - EEC zone:

- Net value of order, without taxes, is lower than Eur. 1.500,00 - Transport is paid til customer's premises, with charge in the invoice of the freight cost. The carrier is selected by Opera. In case the customer wish to use his own carrier or to select another carrier, the transport will be Ex our Work. In this case the freight costs are totally handled by customer/receiver.

- Net value of order, without taxes, is higher than Eur. 1.500,00 - Transport is paid til customer's premises, with no extra charge in the invoice for freight cost. The carrier is selected by Opera. - In case the customer wish to use his own carrier or to select another carrier, the transport will be Ex our Work. In this case the freight costs are totally handled by customer/receiver.

International shipment - Non EEC zone:

- Net value of order, without taxes, is lower than Eur. 2.000,00 - Transport is paid til customer's premises (Incoterm: CFR), with charge in the invoice of the freight cost. The carrier is selected by Opera. In case the customer wish to use his own carrier or to select another carrier, the transport will be Ex our Work. In this case the freight costs are totally handled by customer/receiver.

- Net value of order, without taxes, is higher than Eur. 2.000,00 - FOB with no extra charge in the invoice for freight cost. The carrier is selected by Opera. - In case the customer wish to use his own carrier or to select another carrier, the transport will be Ex our Work. In this case the freight costs are totally handled by customer/receiver.

Returns for repairing

- Returns are accepted only by Opera direct customers. Should anybody need to return goods for repairing, he has to address his request to the nearest Opera distributor.

- All returns have to be sent, freight costs free, to our main factory in Modena, Italy. The goods have to be correlated with a list of items, sort of problem found, contact name and telephone number.

Definitive return

- Any definitive return must be demanded in writing and authorised by Opera in writing.

- Upon authorisation, Goods for definitive return must be sent according to the instructions received. All documents must refer to the original invoice number.

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The guarantee, however, under no circumstances may go beyond the replacement free of charge of the piece which is considered to be defective.
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NOTE

NOTE

20 ANNIVERSARY

OPERA®
OPERATING ACCESS

OPERA S.r.l.
Via Portogallo, 43 - 41122 Modena - ITALY
tel +39 059 451708 • fax +39 059 451697 / +39 059 4906735
info@opera-access.it

www.opera-italy.com

labirinto.net