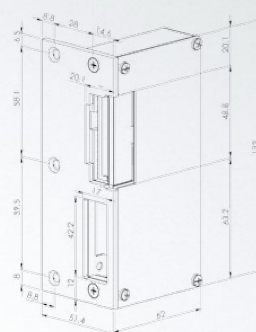


FERMAX**FERMVISION****RISCO**
GROUP**EGi****CROSS POINT** **Guardall**fermaxaus
fermaxaus.com.auAudio Intercoms | Video Intercoms | IP Intercom Systems | Access Control | Sound Distribution | IP Cameras
NVR's | Analogue Cameras | DVR's | Intruder Alarms | Residential & Commercial | Security Consultancy**FERMAX**

UNIVERSAL

SURFACE



ACCESORIES



MULTIVOLTAGE

2014 CATALOGUE

DOOR LOCK RELEASE

NSW

U1, 37-39 Green St,
Banksmeadow, NSW. 2019
p. 61 2 9700 1700
f. 61 2 9700 1955
sales@fermaxaus.com.au

QLD

U11, 8 Fortitude Cres,
Burleigh Heads, QLD. 4220
p. 61 7 5520 2266
f. 61 7 5520 4591
qld@fermaxaus.com.au

VIC

U30, 640-680 Geelong Rd,
Brooklyn, VIC. 3012
p. 61 3 9314 2220
f. 61 3 9314 7772
vic@fermaxaus.com.au

WA

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Balcatta. 6914
m. 0438 700 101
wa@fermaxaus.com.aufermaxaus
fermaxaus.com.au
f t in y



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DESIGN

Fermax Electrónica S.A.U.

2014 DOOR LOCK RELEASE CATALOGUE

1st Edition. March 2014

Check Commercial conditions in the inside front cover

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CONTACT POWER SUPPLIES.
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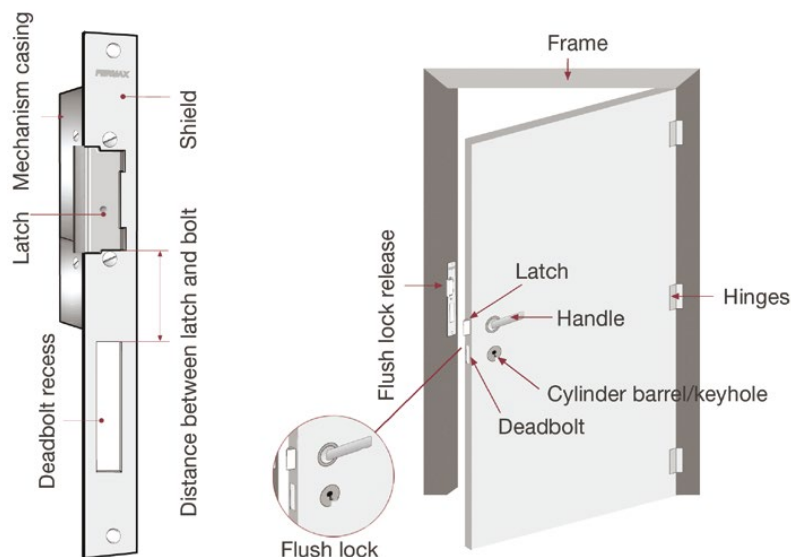
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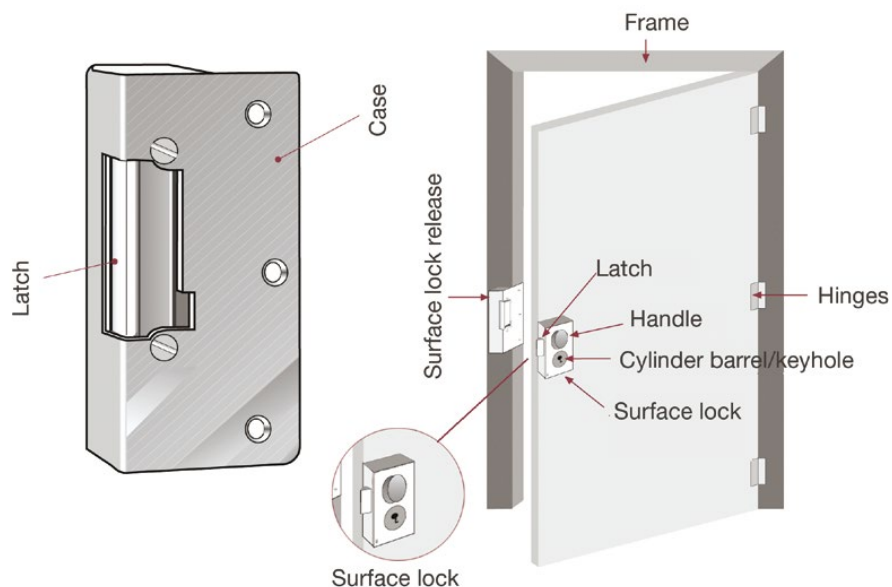
1. What is an electric lock release?

The electric door lock release is a device installed in the door frame to control opening remotely.

FLUSH LOCK



SURFACE LOCK

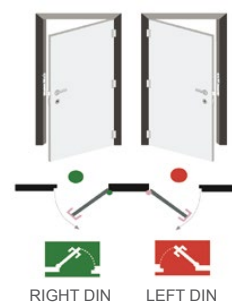


DIN STANDARD

DIN STANDARD sets the direction the door opens and designates the type of lock release installed. (See technical drawing).

Look at the door from the side where the hinges are visible:

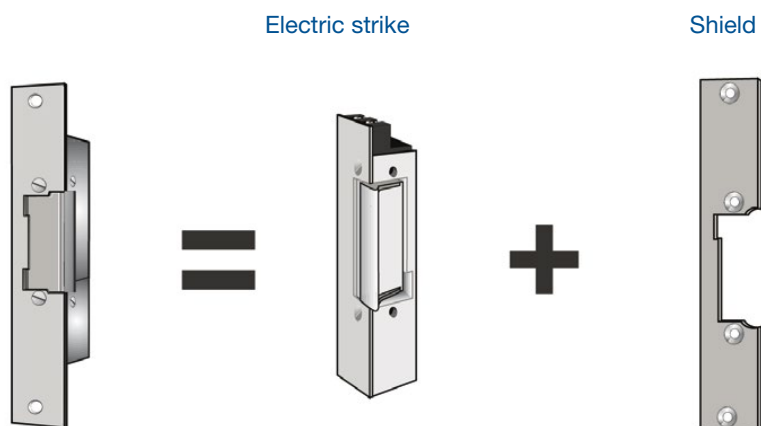
- . If the hinges are on the left of the observer, it is a left DIN.
- . If the hinges are on the right of the observer, it is a right DIN.



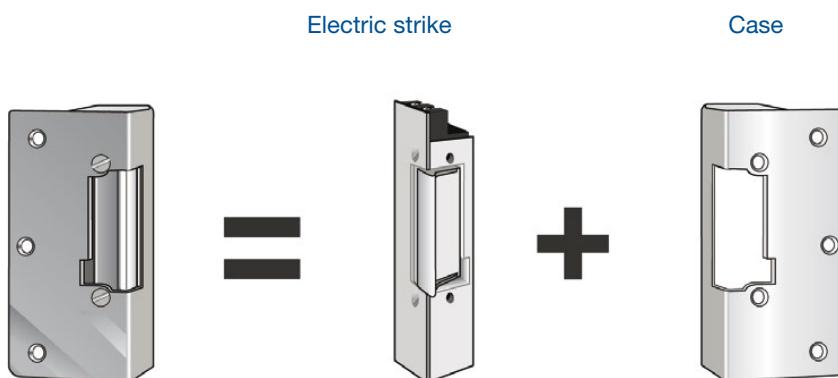
2. Lock release parts

A lock release consists of an electric strike and a shield or case depending on whether it is flush or surface mounted.

FLUSH LOCK



SURFACE LOCK



ELECTRIC STRIKE

Part receiving power feed to open or close the door.
Several models are available, depending on the OPERATING MODE.

SHIELD OR CASE

Metal part that converts a lock release strike into flush (ELECTRIC STRIKE+SHIELD) or surface-mounted (ELECTRIC STRIKE+CASE).

2.1. Electric Strike

OPERATING MODES



N

Normal Operation - N

Allows door opening while the lock release is powered.

- N 12 Vac activation
- N-412 12 Vdc activation
- N-424 24 Vdc activation



A



Ab

Automatic Operation - A, Ab (Adjustable) or Aa (Invisible)

Enables door opening with a short electric pulse.

The lock release is automatically blocked when the door closes again.



Aa

- | | | | |
|-------|--------|--------|-------------------|
| A | Ab | Aa | 12 Vac activation |
| A-412 | Ab-412 | Aa-412 | 12 Vdc activation |
| A-424 | | | 24 Vdc activation |



N-500

Inverted Operation - N-500

Allows door opening while power to the lock release is off.

- N-512 12 Vdc activation
- N-524 24 Vdc activation

ADDITIONAL FEATURES



D



CTC

Unlocking lever - D

The lock release with D in its description indicates the addition of a manual release lever which inhibits its function, allowing free access.

- ND Normal operation with release.
- AD Automatic operation with release.

Built-in microswitch- CTC

Allows monitoring of door status (open/closed). Suitable for security systems. Not available for MAX version.



MAX

Adjustable latch bolt - MAX

If the lock description contains MAX, it indicates that the latch is adjustable, allowing a perfect fit between latch and bolt in the lock, with a 4mm margin.

To order the MAX version lock release, please add an 8 to the end of the reference of the compatible lock.

2.2 Shields and Cases

SHIELDS

Used to make up lock releases that are built into the door frame.

FOR ACCESS DOORS

Wooden or metal doors



S, SX*
P, PX*
P22
B22

Wooden doors



53

FOR LATCH-BOLT ENTRY DOORS

Wooden or metal doors



G, GX*
M, MX*
L
T
GE
BOLT

Wooden doors



1001 Grey
1002 Grey

See dimensions on pages, 50 and 51.

* Stainless steel shield.

CASES

Used to make up locks to be surface mounted. There are two types of support:

VISIBLE ATTACHMENT ON FRAME



One-piece models.

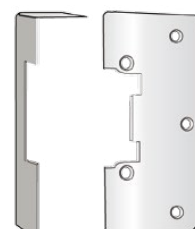
2001 Chrome CASE
2006 Grey CASE

HIDDEN FRAME ATTACHMENT



One-piece models.

2005 Chrome CASE
2007 Grey CASE



Two-piece models.

2003 Grey CASE

1. Choosing the best option for your purpose.

1. SECURITY LEVEL REQUIRED. Depends on the lock resistance.

STANDARD. Lock releases are resistant to impacts of up to 260 Kg (2600N). Used to cover the basic security needs of any outdoor or indoor enclosure.

REINFORCED. Support impacts up to 800 kg (8000N). For heavily transited accesses or heavy iron or wrought iron doors.

2. DOOR LOCK TYPES FLUSH or SURFACE. FLUSH or SURFACE.

3. DOOR MATERIAL WHERE LOCK IS INSTALLED.

Material used in door: **aluminium, iron, wood, wrought iron, PVC or glass.**

The most commonly used frames are aluminium and wood, followed by iron.

- **In wooden frames**, angled locks are used. For flush mounting, use Shields: 1001, 1002 and 53.
- **In aluminium and PVC frames** with narrow fronts, use 410 SERIES or 990 SERIES. Smaller size makes it ideal for replacement since it fits any gap and its radial latch means it turns on its own opening radius.
- **In heavy iron or wrought iron doors** with a lot of traffic, we recommend SERIES 500, which includes a latch bolt made entirely of steel, enabling it to withstand pressures up to 800 Kg.
- **For doors located outside** (fences, gates, etc.) we recommend the SERIES 620 (IP65) which keeps out moisture and dust.
- **For fireproof doors** the fire-resistant 520 SERIES is recommended.
- **For glass doors** (mainly used in commercial applications) there are surface-mounted double leaf (C SERIES) or flush mounted single leaf (CII SERIES) doors with latches adapted to this type of doors.
- **If the door has a deadbolt** (lock release with deadbolt lock, we will indicate that these are locking doors) the best option is to install a door release with a latch/bolt recess in European DIN format, increasing the security level of the door when it is locked.

4. IF SIGNALLING IS REQUIRED

Some electric locks have a CTC microswitch: C, NO, NC (NO = Normally Open and NC = Normally Closed) that signal whether the door is open or closed, by means of a detector microswitch in the latch.

They allow a variety of applications for security, access control and alarm installations. This function is used, among others, in security locks (the second door or gate will not open until the first is shut). (See *UNIVERSAL SERIES*, *REINFORCED*, *FLAME RETARDANT OR PANIC*).

5. POWER SUPPLY

Depending on the type of power supply, there are:

DC CURRENT. Characterized by being quiet. Inverted operation electric locks (N-500) are this type.

AC POWER SUPPLY. Noisy compared with DC locks. They generally have a higher consumption and work better indoors subject to some type of pressure: wind, bolt friction, etc.

MULTIVOLTAGE. Characterized for admitting both DC and AC power supply with an optimum performance.

6. TYPES OF OPERATIONS REQUIRED

NORMAL OPERATION. Power supply to open. AC or DC power feed.

AUTOMATIC OPERATION. One energy pulse keeps it open until the door opens and closes again mechanically. AC or DC power supply.

INVERTED OPERATION. Power on to close. DC current.

For example: If the lock release is to be connected to a fire alarm system, it must run in inverted operation mode (N-500 operation), i.e. keeping the door open in the event of power failure and remaining closed during the time it is powered up. Under other circumstances, a lock that works as normal is needed, in N operation (Vac), or N-400 operation (Vdc), so that when the power is on, it releases the door. This performance is achieved in both AC (Vac) and DC (Vdc) systems. (For more information, see the "Operating types" section on page 4).

2. Quick guide

FLUSH-MOUNTED LOCK RELEASE

<div>450 SERIES</div> <div></div> <div>UNIVERSAL Symmetrical Medium body 75mm 12Vac/dc or 24Vdc Allows MAX page 20</div>	<div>UNIVERSAL</div> <div></div> <div>UNIVERSAL Non-symmetrical Large body 90mm 12Vac/dc or 24Vdc Allows MAX page 21</div>	<div>540 SERIES</div> <div></div> <div>REPLACEMENT Symmetrical. Small Body 67 mm 12Vac/dc MAX as standard page 22</div>	<div>410 SERIES</div> <div></div> <div>REPLACEMENT Symmetrical. Small body 67mm 12Vac/dc or 24Vdc European profile:16mm MAX as standard page 23</div>	<div>990 SERIES</div> <div><div></div><div>TOP</div></div> <div>MULTIVOLTAGE Symmetrical Small body 66mm 10-24Vac/dc Profile:16.Top:18,6mm MAX as standard page 24</div>	<div>500 SERIES</div> <div></div> <div>REINFORCED 800KG Symmetrical Medium body 75mm 12Vac/dc or 24Vdc Allows MAX page 25</div>	<div>ARMORED</div> <div></div> <div>ARMORED Non-symmetrical Large body 12Vac page 26</div>	<div>620 SERIES</div> <div></div> <div>IP65 WATERTIGHT Non-symmetrical Large body 12Vac page 27</div>	<div>520 SERIES</div> <div></div> <div>FIREPROOF Fire resistant Symmetrical Medium body 75mm 12Vac or 12Vdc page 28</div>
<div>460 & 9000 SERIES</div> <div><div></div><div></div></div> <div>Body 75 mm Symetrical</div> <div>Body 102 mm Non-symmetrical</div> <div>AMERICA Protected bolt 12Vac page 29</div>	<div>850 SERIES</div> <div></div> <div>AUTO LOCK Automatic operation 12Vac o 12Vdc page 30</div>	<div>950 SERIES</div> <div></div> <div>SERIES 950 Body 195 mm 12Vdc page 31</div>	<div>ELECTRIC BOLTS 100 SERIES. 600 SERIES</div> <div><div></div><div>MOD.100</div><div></div><div>MOD.600</div><div></div></div> <div>SERIES 100 & 600 Inverse Function 100: Body: 143 mm 600: Body: 152 mm 12 Vdc page 32</div>	<div>ELECTRIC BOLTS 700 SERIES</div> <div></div> <div>SERIES 700 Inverse Function Body: 163 mm 12 Vdc o 24 Vdc page 33</div>	<div>CII SERIES</div> <div></div> <div>CRYSTAL 1 leaf Non-Symmetrical Body 105 mm 12Vac o 12Vdc page 34</div>	<div>ELECTROMAGNETIC</div> <div></div> <div>ELECTROMAGNETIC Body 233 mm 12Vdc o 24Vdc Resistance 300kg page 35</div>		

SURFACE LOCK RELEASE

<div>2001/2006 SERIES</div> <div></div> <div><div>UNIVERSAL</div><div>Visible support Non-symmetrical 12Vac/dc Allows MAX</div><div>page 38</div></div>	<div>2005/2007 SERIES</div> <div></div> <div><div>UNIVERSAL</div><div>Hidden support Non-symmetrical 12Vac/dc Allows MAX</div><div>page 39</div></div>	<div>2003 SERIES</div> <div></div> <div><div>UNIVERSAL</div><div>Hidden support Non-symmetrical 12Vac/dc Allows MAX</div><div>page 40</div></div>	<div>6000 SERIES</div> <div></div> <div><div>WITH LATCH/BOLT</div><div>Hidden support. Deadbolt lock Non-symmetrical 12Vac o 12Vdc</div><div>page 41</div></div>	<div>480 SERIES</div> <div></div> <div><div>H LOCK</div><div>Horizontal locks 12Vac</div><div>page 42</div></div>	<div>490 SERIES</div> <div></div> <div><div>V LOCK</div><div>Vertical locks 12Vac</div><div>page 42</div></div>	<div>P SERIES</div> <div></div> <div><div>ANTIPANIC</div><div>Doors with panic bars. Body 140mm 12Vac / 12Vdc / 24Vdc</div><div>page 43</div></div>
<div>960 SERIES</div> <div></div> <div><div>ELECTRIC. REPLACEMENT</div><div>Adjustable cylinder from 50mm to 70mm Body 140,5mm 12Vac / 12Vdc</div><div>page 45</div></div>	<div>8000 SERIES</div> <div></div> <div><div>WITH CHAIN</div><div>Doors with handle Body 122mm 12Vac</div><div>page 46</div></div>	<div>C SERIES</div> <div></div> <div><div>CRYSTAL</div><div>2 leaves, one fixed 12Vac</div><div>page 47</div></div>	<div>ELECTROMAG.</div> <div></div> <div><div>ELECTROMAGNETIC</div><div>3052: Body 250mm 12Vdc or 24Vdc Resistance 300kg</div><div>page 48</div></div>	<div>ELECTROMAG.</div> <div></div> <div><div>ELECTROMAGNETIC</div><div>3051: Body 248mm 12Vdc or 24Vdc Resistance 500kg</div><div>page 48</div></div>		

1. Composition

Each series consists of different references or models depending on the electrical or operating features required. The terminology used in each trade reference follows the same composition.

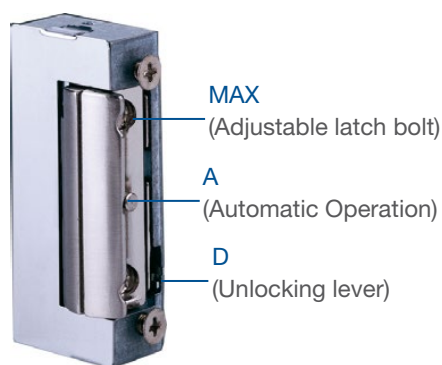
REF. 2914 ELECTRIC STRIKE MOD. 410 AD MAX

Series Operation Adjustable latch bolt

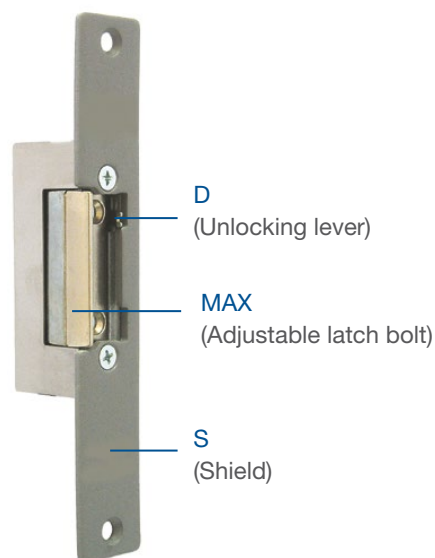
REF. 30598 LOCK RELEASE MOD. 450 ND-412 - S MAX

Series Operation Shield or Case Adjustable latch bolt

REF. 2914 ELECTRIC STRIKE 410 Series



REF. 30598 LOCK RELEASE 450 Series



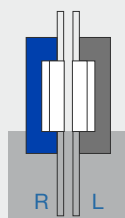
	EXAMPLE	FEATURES
SERIES	450, 410, 480, etc.	Identifies the lock or strike size and characteristics. If no model is specified, understood as Universal Model (non-symmetrical).
OPERATION	N, ND, A, AD, Ab, AbD, Aa, AaD N-400, N-500, MAX. CTC	Electric strike operation is identified by a letter or letter-number.
SHIELD AND CASE	S, P, G, GE, L, 1001, 1002, 53, F-2006 F-2007, F-2003.	Shield or case type is identified by a number or letter.
MAX mention Adjustable latch	MAX	Identifies lock release with adjustable latch/bolt. To order it, please add an 8 to the end of the trade Ref. of the compatible door lock release.

2. Glossary of terms.

Electric strike. Part receiving power in order to open or close the door. It is the body of the door lock.

Reversible

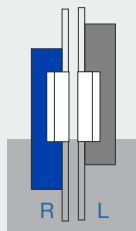
Opening enabled both to right and left.



Lock Release

Symmetrical Reversible

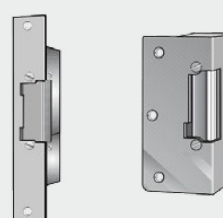
Allows to change sides without changing the frame gap.



Lock Release

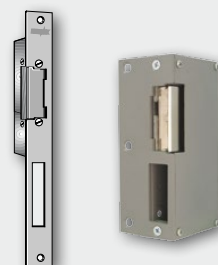
Non-Symmetrical Reversible

When changing from left to right the lock does not stay in synch with gap.



Lock Release for Access Doors

Lock Release
Non-Symmetrical Reversible



Lock release with deadbolt lock

Radial latch: The radial system has a built-in bolt that rotates on a displaced axis, limiting the bolts movement perimeter. Lock release installation is easier and looks better as no lateral cuts are made to the door frame.

N	Normal Operation: 12Vac.
A	Automatic Operation: 12Vac.
Ab	Adjustable Automatic Operation: 12Vac. Allows the automatic function to slide with the MAX bolt adjustment
Aa	Invisible Automatic Operation: 12Vac. The automatic pin is suppressed to allow an easier fit to the mechanical lock. A very short electrical pulse is recommended.
N-412	Normal Operation: 12Vdc.
N-424	Normal Operation: 24Vdc.
N-512	Inverted Operation: 12Vdc.
N-524	Inverted Operation: 24Vdc.
D	With unlocking tab.
MAX	With adjustable latch.
CTC	With microswitch.

SHIELD TYPE

*stainless steel shield

S, SX*	Short shield: 25 x 160.
P, PX*	Short shield: 25 x 130.
P22	Short shield: 22 x 130.
B22	Short shield: 22 x 110.
G, GX*	Long shield with 36 mm standard distance between latch and bolt.
M, MX*	Long shield with 16 mm distance between latch and bolt and 17 x 91 deadbolt lock.
L	Long shield with 16 mm distance between latch and bolt and 13 x 91 deadbolt lock.
T	Long shield with 16 mm distance between latch and bolt and 85 mm high deadbolt lock.
GE	Long shield with very short distance (12 mm) between latch and bolt and 60 mm high deadbolt lock.
53	Angular short shield: 25 x 160.
1001	Angular long shield with deadbolt lock (left DIN 1001).

CASE TYPE

2001	One-piece case in polished chrome. Visible attachment on frame.
2006	One-piece case in matt grey. Visible attachment on frame.
2005	One-piece case in polished chrome. Hidden frame attachment.
2007	One-piece case in polished chrome. Hidden frame attachment.
2003	Two-piece case in anodized aluminium. Hidden frame attachment.



450 SERIES		REF. ELECTRIC STRIKE	FLUSH	
			REF. S-SHORT SHIELD	REF. M-LARGE SHIELD
		ELECTRIC STRIKE.*	LOCK RELEASE*	LOCK RELEASE*
12VAC	N	3015	3071	2836
	ND	3016	2834	-
	A	3017	3069	-
	AD	3018	2820	-
	Aa	1700	-	-
	AaD	1701	-	-
12VDC	N-412	3019	3070	-
	ND-412	1702	3059	-
	A-412	1703	3057	-
	AD-412	1704	3058	-
	Aa-412	1705	-	-
	AaD-412	1706	-	-
	N-512	3020	-	-
24VDC	N-424	1707	-	-
	ND-424	1708	-	-

* To order the MAX version lock release with adjustable latch bolt, please add 8 to the end of the reference.



UNIVERSAL SERIES		REF. ELECTRIC STRIKE	FLUSH		ACCESSORIES	
			REF. S-SHORT SHIELD	REF. M-LARGE SHIELD	FLUSH	
		ELEC.*	LOCK RELEASE*	LOCK RELEASE*		
12VAC	N	2993	2911	2924	S SHIELD	2973
	N CTC	3060	2953	-	G SHIELD	2975
	ND	2994	2912	2925	SURFACE	
	A	2995	2909	2926	2001 CASE	2979
	AD	2992	2910	2927	2006 CASE	2987
	Aa	1709	-	-	2005 CASE	2983
	AaD	1710	-	-	2007 CASE	2964
12VDC	N-412	3087	2958	-	2003 CASE	2981
	N-412 CTC	3085	29580	-		
	ND-412	1711	-	-		
	A-412	1712	3038	-		
	AD-412	1713	3093	-		
	Aa-412	1714	-	-		
	AaD-412	1715	-	-		
	N-512	3014	2967	-		
24VDC	N-512 CTC	3086	29670	-		
	N-424	1716	-	-		
	N-424 CTC	1721	-	-		
	ND-424	1717	-	-		
	A-424	1719	2908	-		
	AD-424	1720	-	-		
	N-524	1718	2968	-		
	N-524 CTC	1722	-	-		

* To order the MAX version lock release with adjustable latch bolt, please add 8 to the end of the reference.



AbD MAX

540 SERIES		REF. ELECTRIC STRIKE
		ELEC.*
12VAC	N MAX	1777
	ND MAX	1799
	A MAX	1778
	AD MAX	1779
	Ab MAX	1812
	AbD MAX	1811
	Aa MAX	1780
	AaD MAX	1781
12VDC	N-412 MAX	1782
	A-412 MAX	1783
	Ab-412 MAX	1810
	Aa-412 MAX	1728
	AaD-412 MAX	1727
	N-512 MAX	1794

*with adjustable MAX latch bolt as standard.



Electric Strike



LOCK RELEASE

410 SERIES		REF. ELECTRIC STRIKE	FLUSH
			REF. P22- SHORT SHIELD
		ELEC.*	LOCK RELEASE*
12VAC	N MAX	2901	3040
	ND MAX	2920	3041
	A MAX	2902	3048
	AD MAX	2914	3068
	Aa MAX	1723	-
	AaD MAX	1724	-
12VDC	N-412 MAX	2915	2889
	ND-412 MAX	3056	-
	A-412 MAX	1725	2890
	AD-412 MAX	1726	-
	N-512 MAX	1729	-
	ND-512 MAX	1730	-
24VDC	N-424 MAX	1731	-
	ND-424 MAX	1732	-
	N-524 MAX	1733	-
	ND-524 MAX	1734	-

*with adjustable MAX latch bolt as standard.

FERMAX REFERENCE TABLE



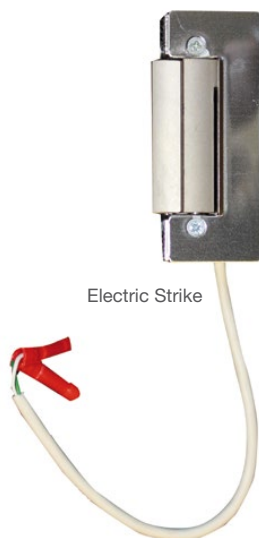
MOD. 990ND
MAX



MOD. 990ND
TOP
MAX

990 SERIES MULTIVOLTAGE		REF.
		ELECTRIC STRIKE*
10-24VAC/DC	ND MAX	1813
	ND TOP MAX	1814

*with adjustable MAX latch bolt as standard.



500 REINFORCED SERIES		REF.
		ELECTRIC STRIKE.*
12VAC	N	2829
	ND	1735
	A	1736
	AD	1737
	Aa	2825
	AaD	1738
	N CTC	1747
	ND CTC	1752
12VDC	N-412	2827
	N-412 CTC	1748
	ND-412	1739
	ND-412 CTC	1753
	A-412	1740
	AD-412	1741
	Aa-412	1742
	AaD-412	1743
	N-512	1744
	N-512 CTC	1749
	ND-512 CTC	1754
24VDC	N-424	1745
	N-524	1746
	N-424 CTC	1750
	ND-424 CTC	1755
	N-524 CTC	1751
	ND-524 CTC	1756

* To order the MAX version lock release with adjustable latch bolt, please add 8 to the end of the reference.



Electric Strike

ARMORED SERIES		LEFT DIN	RIGHT DIN
12VAC	N MAX	ELEC.*	ELEC.*
	ND MAX	1804	1795
	A MAX	1805	1796
	AD MAX	1806	1797
		1807	1798

*with MAX adjustable latch bolt strike.

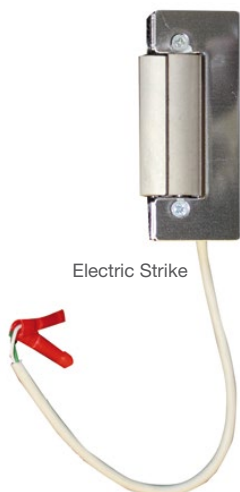
FLUSH		SURFACE	
SHIELD WI	SHIELD WD	CASE WI	CASE WD
1808	1809	1774	1775



Electric Strike

620 WATERTIGHT SERIES		LEFT DIN	RIGHT DIN
12VAC		ELECTRIC STRIKE.	ELECTRIC STRIKE.
	N	1757	1759
	Aa	1758	1760

WATERTIGHT



Electric Strike

520 FIREPROOF SERIES		REF.
12VAC		ELECTRIC STRIKE.
	N	1761
	N CTC	1762
	A	1763
12VDC	N-412	1764
	N-512	1765

FERMAX REFERENCE TABLE



Lock Release 460N Lock Release 9000N

AMERICA SERIES		REF. 460	REF. 9000
12VAC	N	LOCK RELEASE	LOCK RELEASE
		2956	2969



Automatic Lock

850 SERIES		REF. 25	REF. 30	REF. 35	REF. 50	REF. E. STRIKE
12VAC/12VDC	A	LOCK	LOCK	LOCK	LOCK	E.STRIKE.
		3102	3104	3103	3101	2869



Swing door solenoid bolt lock

950 SERIES SWING DOOR		REF. 25	REF. 30	REF. 35
12VDC	N-412 N-512	LOCK	LOCK	LOCK
		1788	1790	1792
		1789	1791	1793



Electric Bolt 100 Series



Electric Bolt 700 Series

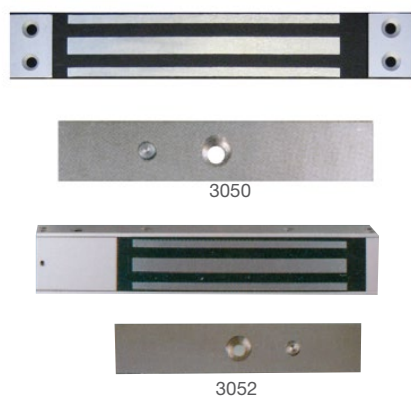
ELECTRIC BOLTS		REF. 100	REF. 600	REF. 700
		ELECTRIC BOLT	ELECTRIC BOLT	ELECTRIC BOLT
12VDC	N-512	1784	1785	-
12VDC/24VDC	N-512/524	-	-	1786



Electric Bolt 600 Series



CRYSTAL SERIES		REF. CII	REF. C
12VAC	ND	LOCK RELEASE	LOCK RELEASE
		-	2997
		-	2961
	AD	-	2998
12VDC	N-512	3098	-



ELECTROMAGNETICS		REF. 300Kg	REF. 500Kg
12VDC/24VDC	FLUSH	3050	
	SURFACE	3052	3051
ACCESSORY 3052		3079	Z
		3078	L
		2837	U
ACCESSORY 3051		3077	L



2000 SERIES		SURFACE	
		REF. 2001 CASE	REF. 2003 CASE
12VAC	N	LOCK RELEASE	LOCK RELEASE
		2923	2940
	A	2917	2942

ACCESSORIES				
CASE 2001 CROME	CASE 2006 GREY	CASE 2005 CROME	CASE 2007 GREY	CASE 2003 AL.AND
2979	2987	2983	2964	2981



Lock Release
Left DIN



Lock Release
Right DIN

6000 SERIES		SURFACE
12VAC	N	LOCK RELEASE 3004
	A	3005
	AD	3006
12VDC	N-412	3072



Lock Release
480 SERIES



Lock Release
490 SERIES

480 SERIES 490 SERIES		SURFACE	
		480 SERIES	490 SERIES
12VAC	N	LOCK RELEASE 3030	LOCK RELEASE 3034
	A	3031	3035



Lock Release

P SERIES		SURFACE
12VAC	N	LOCK RELEASE 3064
	N CTC	1766
	Aa	1767
12VDC	N-412	3065
	N-512	3066
	N-512 CTC	1769
24VDC	N-424	3067
	N-524	1768



Electric RIM Lock
960 SERIES

960 ELECTRIC RIM LOCK		SURFACE	
960 SERIES	N	961	962
12VAC/12VDC		2878	2879



8000 SERIES

8000 SURFACE DOOR LOCK WITH CHAIN		
8000 SERIES	N	SURFACE
12VAC		2984





FERMAX

LOCK RELEASE

FLUSH MOUNTED



450 UNIVERSAL SERIES Symmetrical

Flush-mounted in wooden or metal frames. Small size allows change of hand without having to enlarge the space where the lock release is inserted.

- Body 75 mm.
- Front panel 21 mm.
- Reversible (Right DIN or Left DIN).
- Symmetrical.
- Recommended: S-type (ref.2973) shield for access doors or M-type (ref.2893) shield for locking doors. Other compatible shields: short (P, P22, B22, 53) and long (T, L, L22, 1001 and 1002). [See pages. 50-51](#)
- **Allows MAX version:** All models can be ordered with adjustable bolt by adding 8 to the end of the reference.

SPECIFICATIONS

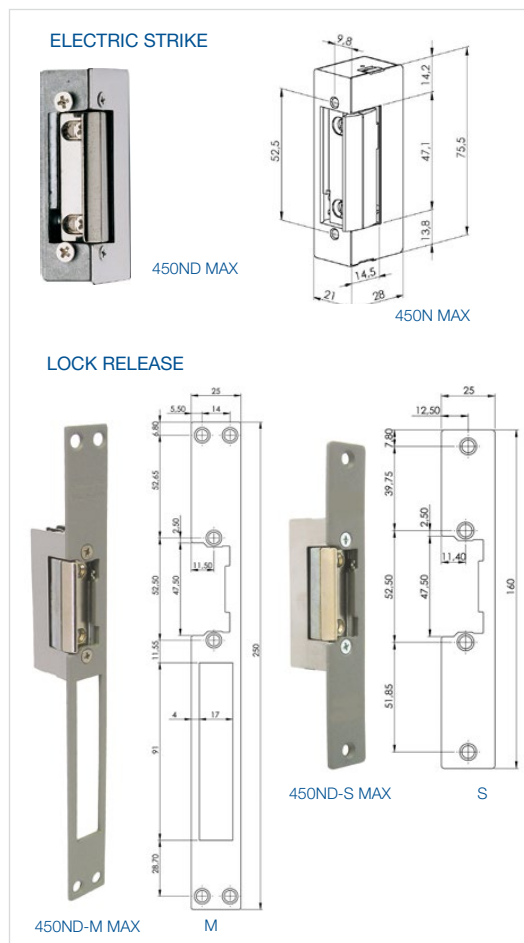
Consumption:

N, A, Aa 12Vac: 980mA
N-412 12Vdc: 400mA
N-512 12Vdc: 200mA

Temperature: -40 to 120°C

Resistance: 230 Kg

Tested cycles: 200.000



REFERENCES Allows MAX version: All models can be ordered with adjustable bolt by adding 8 to the end of the reference.

ELECTRIC STRIKE

12 Vac

- 3015 ELECTRIC STRIKE MOD.450N
- 3016 ELECTRIC STRIKE MOD.450ND
- 3017 ELECTRIC STRIKE MOD.450A
- 3018 ELECTRIC STRIKE MOD.450AD
- 1700 ELECTRIC STRIKE MOD.450Aa
- 1701 ELECTRIC STRIKE MOD.450AaD

12 Vdc

- 3019 ELECTRIC STRIKE MOD.450N-412
- 1702 ELECTRIC STRIKE MOD.450ND-412
- 1703 ELECTRIC STRIKE MOD.450A-412
- 1704 ELECTRIC STRIKE MOD.450AD-412
- 1705 ELECTRIC STRIKE MOD.450Aa-412
- 1706 ELECTRIC STRIKE MOD.450AaD-412
- 3020 ELECTRIC STRIKE MOD.450N-512

24 Vdc

- 1707 ELECTRIC STRIKE MOD.450N-424
- 1708 ELECTRIC STRIKE MOD.450ND-424

LOCK RELEASE

12 Vac

For access doors (S shield)

- 3071 LOCK RELEASE MOD.450N-S
- 2834 LOCK RELEASE MOD.450ND-S
- 3069 LOCK RELEASE MOD.450A-S
- 2820 LOCK RELEASE MOD.450AD-S

For security doors (M shield)

- 2836 LOCK RELEASE MOD.450N-M

12 Vdc

For access doors (S shield)

- 3070 LOCK RELEASE MOD.450N-412-S
- 3059 LOCK RELEASE MOD.450ND-412-S
- 3057 LOCK RELEASE MOD.450A-412-S
- 3058 LOCK RELEASE MOD.450AD-412-S

Electric Strike require short shield S (ref.2973) or large shield M (ref.2893). [See more options at pages 50, 51.](#)

UNIVERSAL SERIES Non-Symmetrical

Flush mounting in wooden or metal frames. Characteristic robust design and low power consumption.

- Body 90 mm.
- With CTC, the body is 113mm.
- Front panel 20 mm.
- Reversible (Right DIN or Left DIN).
- Non-symmetrical.
- Recommended: S-type shield (ref.2973) for access doors and G-type shield (ref.2975) for locking doors. Other compatible shields: P, M, L, 1001, 53. [See pages.50-51.](#)
- **Allows MAX version:** All models can be ordered with adjustable bolt by adding 8 to the end of the reference. Except the CTC.

SPECIFICATIONS

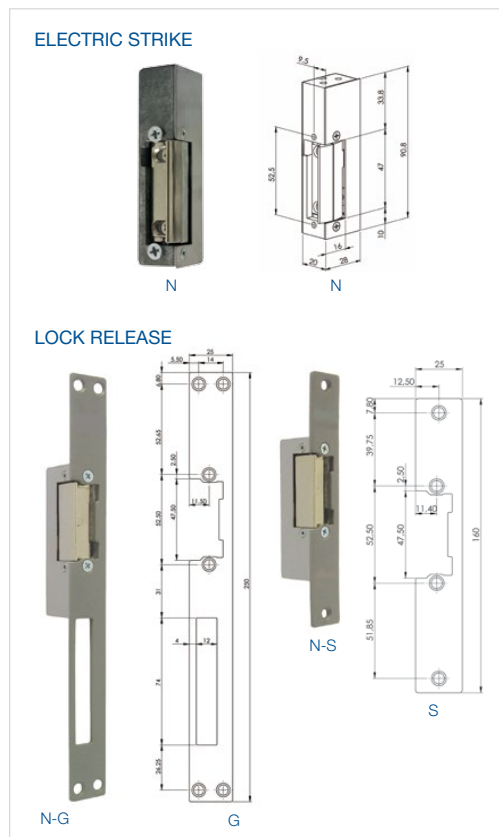
Consumption:

N, A	12Vac: 980mA
N-412	12Vdc: 200mA
N-512	12Vdc: 150mA
N-424	24Vdc: 120mA

Temperature: -40 to 120°C

Resistance: 260 Kg

Tested cycles: 200.000



REFERENCES Allows MAX version: All models can be ordered with adjustable bolt by adding 8 to the end of the reference. Except the CTC.

ELECTRIC STRIKE

■ 12 Vac

- 2993 ELECTRIC STRIKE UNIVERSAL N
- 2994 ELECTRIC STRIKE UNIVERSAL ND
- 2995 ELECTRIC STRIKE UNIVERSAL A
- 2992 ELECTRIC STRIKE UNIVERSAL AD
- 1709 ELECTRIC STRIKE UNIVERSAL Aa
- 1710 ELECTRIC STRIKE UNIVERSAL AaD
- 3060 ELECTRIC STRIKE UNIVERSAL N CTC

■ 12 Vdc

- 3087 ELECTRIC STRIKE UNIVERSAL N-412
- 1711 ELECTRIC STRIKE UNIVERSAL ND-412
- 1712 ELECTRIC STRIKE UNIVERSAL A-412
- 1713 ELECTRIC STRIKE UNIVERSAL AD-412
- 1714 ELECTRIC STRIKE UNIVERSAL Aa-412
- 1715 ELECTRIC STRIKE UNIVERSAL AaD-412
- 3014 ELECTRIC STRIKE UNIVERSAL N-512
- 3085 ELECTRIC STRIKE UNIVERSAL N-412 CTC
- 3086 ELECTRIC STRIKE UNIVERSAL N-512 CTC

■ 24 Vdc

- 1716 ELECTRIC STRIKE UNIVERSAL N-424
- 1717 ELECTRIC STRIKE UNIVERSAL ND-424
- 1719 ELECTRIC STRIKE UNIVERSAL A-424
- 1720 ELECTRIC STRIKE UNIVERSAL AD-424
- 1718 ELECTRIC STRIKE UNIVERSAL N-524
- 1721 ELECTRIC STRIKE UNIVERSAL N-424 CTC
- 1722 ELECTRIC STRIKE UNIVERSAL N-524 CTC

LOCK RELEASE

■ 12 Vac

For access doors (S shield)

- 2911 LOCK RELEASE UNIVERSAL N-S
- 2912 LOCK RELEASE UNIVERSAL ND-S
- 2909 LOCK RELEASE UNIVERSAL A-S
- 2910 LOCK RELEASE UNIVERSAL AD-S
- 2953 LOCK RELEASE UNIVERSAL N CTC

For security doors (G shield)

- 2924 LOCK RELEASE UNIVERSAL N-G
- 2925 LOCK RELEASE UNIVERSAL ND-G
- 2926 LOCK RELEASE UNIVERSAL A-G
- 2927 LOCK RELEASE UNIVERSAL AD-G

■ 12 Vdc

For access doors (S shield)

- 2958 LOCK RELEASE UNIVERSAL N-412-S
- 3038 LOCK RELEASE UNIVERSAL A-412-S
- 3093 LOCK RELEASE UNIVERSAL AD-412-S
- 2967 LOCK RELEASE UNIVERSAL N-512-S
- 29580 LOCK RELEASE UNIVERSAL N-412 CTC
- 29670 LOCK RELEASE UNIVERSAL N-512 CTC

■ 24 Vdc

For access doors (S shield)

- 2908 LOCK RELEASE UNIVERSAL A-424-S
- 2968 LOCK RELEASE UNIVERSAL N-524-S

Electric Strike require short shield S (ref.2973) or large M (ref.2893). [See more options at pages 50, 51.](#)

540 SERIES Symmetrical

Flush-mounted in wooden or metal frames. Small size allows change of hand without having to enlarge the space where the lock release is inserted. It is smaller than the mechanism box of the 450 Series and with the same frontal panel.

Includes the new Ab automatic sliding functioning which allows the automatic function to slide with the MAX bolt adjustment.

- Body 67 mm.
- Front panel 21 mm.
- Reversible (Right DIN or Left DIN).
- Symmetrical.
- Recommended: S-type shield (ref.2973) for access doors or M-type shield (ref. 2893) for locking doors. Other compatible shields: short (P, P22, B22, 53) and long (T, L, L22 and 1001). [See pages.50-51.](#)
- Adjustable latch bolt. [MAX Version](#) as standard.

SPECIFICATIONS

Consumption:

N, A, Aa 12Vac: 980mA
N-412 12Vdc: 400mA
N-512 12Vdc: 200mA

Temperature: -40 to 120°C

Resistance: 230 Kg
Tested cycles: 200.000

REFERENCES

ELECTRIC STRIKE

12 Vac

- 1777 ELECTRIC STRIKE MOD.540N MAX
- 1799 ELECTRIC STRIKE MOD.540ND MAX
- 1778 ELECTRIC STRIKE MOD.540A MAX
- 1779 ELECTRIC STRIKE MOD.540AD MAX
- 1812 ELECTRIC STRIKE MOD.540Ab MAX
- 1811 ELECTRIC STRIKE MOD.540AbD MAX
- 1780 ELECTRIC STRIKE MOD.540Aa MAX
- 1781 ELECTRIC STRIKE MOD.540AaD MAX

12 Vdc

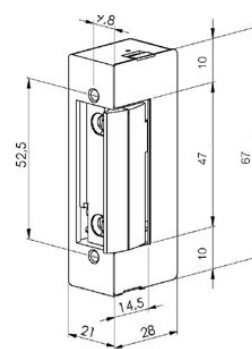
- 1782 ELECTRIC STRIKE MOD.540N-412 MAX
- 1783 ELECTRIC STRIKE MOD.540A-412 MAX
- 1810 ELECTRIC STRIKE MOD.540Ab-412 MAX
- 1728 ELECTRIC STRIKE MOD.540Aa-412 MAX
- 1727 ELECTRIC STRIKE MOD.540AaD-412 MAX
- 1794 ELECTRIC STRIKE MOD.540N-512 MAX

Electric Strike require short shield S (ref.2973) or large M (ref.2893).
[See more options at pages 50, 51.](#)

ELECTRIC STRIKE

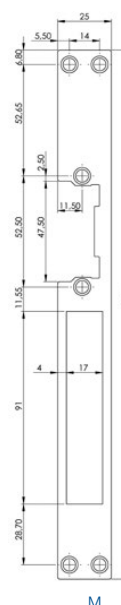


540Ab MAX

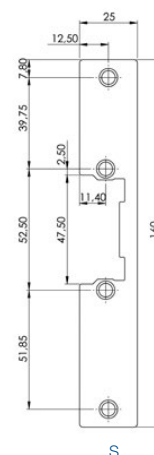


540Ab MAX

SHIELD



M



S



410 REPLACEMENT SERIES

European Profile

Recommended for replacement.

The smallest door lock release on the market (front width 16,5 mm). Installed in smaller aluminium or PVC frames.

Includes radial latch allowing the bolt to rotate on its axis without having to make a lateral cut in the door frame, which is not possible in traditional latch-bolt locks.

The standard version offers MAX adjustable latch, allowing the adjustment between the latch and the bolt in the installation process.

- Body 67 mm.
- Front panel 16,5 mm.
- Reversible (Right DIN or Left DIN).
- Symmetrical.
- Radial latch.
- Recommended: P22-type shield (ref.2894) for access doors and permit L22-type shield (ref.2892) for locking doors. [See pages.50-51.](#)
- Other compatible shields: B22, M, T, GE.
- Adjustable latch bolt. [MAX Version](#) as standard.

SPECIFICATIONS

Consumption:

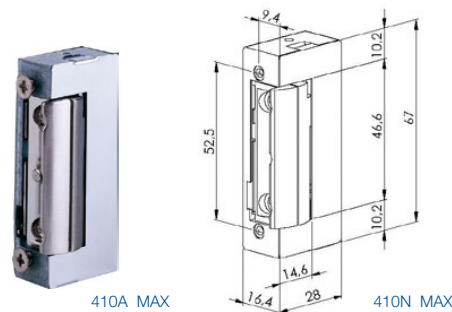
N, A	12Vac: 980mA
N-412	12Vdc: 400mA
N-512	12Vdc: 200mA

Temperature: -40 to 120°C

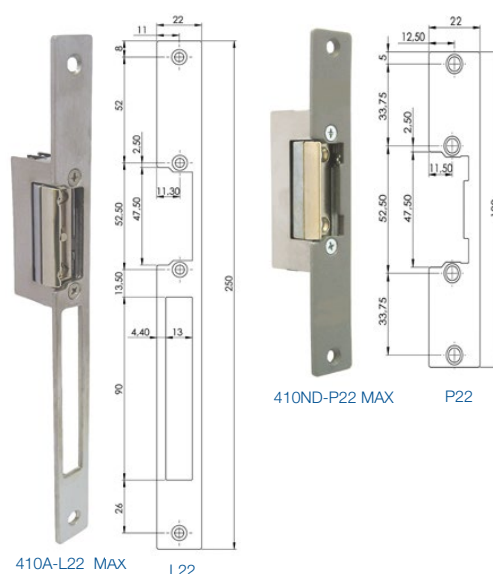
Resistance: 300 Kg

Tested cycles: 200.000

ELECTRIC STRIKE



LOCK RELEASE



REFERENCES

ELECTRIC STRIKE

12 Vac

- 2901 ELECTRIC STRIKE MOD.410N MAX
- 2920 ELECTRIC STRIKE MOD.410ND MAX
- 2902 ELECTRIC STRIKE MOD.410A MAX
- 2914 ELECTRIC STRIKE MOD.410AD MAX
- 1723 ELECTRIC STRIKE MOD.410Aa MAX
- 1724 ELECTRIC STRIKE MOD.410AaD MAX

12 Vdc

- 2915 ELECTRIC STRIKE MOD.410N-412 MAX
- 3056 ELECTRIC STRIKE MOD.410ND-412 MAX
- 1725 ELECTRIC STRIKE MOD.410A-412 MAX
- 1726 ELECTRIC STRIKE MOD.410AD-412 MAX
- 1729 ELECTRIC STRIKE MOD.410N-512 MAX
- 1730 ELECTRIC STRIKE MOD.410ND-512 MAX

24 Vdc

- 1731 ELECTRIC STRIKE MOD.410N-424 MAX
- 1732 ELECTRIC STRIKE MOD.410ND-424 MAX
- 1733 ELECTRIC STRIKE MOD.410N-524 MAX
- 1734 ELECTRIC STRIKE MOD.410ND-524 MAX

LOCK RELEASE

12 Vac

For access doors (E.strike+shield P22)

- 3040 LOCK RELEASE MOD.410N-P22 MAX
- 3041 LOCK RELEASE MOD.410ND-P22 MAX
- 3048 LOCK RELEASE MOD.410A-P22 MAX
- 3068 LOCK RELEASE MOD.410AD-P22 MAX

12 Vdc

For access doors (E.strike+shield P22)

- 2889 LOCK RELEASE MOD.410N-412-P22 MAX
- 2890 LOCK RELEASE MOD.410A-412-P22 MAX

990 MULTIVOLTAGE SERIES

Latest generation series, with a coil that works both in DC and AC power supply from 10-24 volts.

It is as well characterized for the reduced dimensions of the mechanism box making the installation in any type of door easier. With a front panel of 16 mm, a height of 66 mm and a depth of only 25,5 mm.

The TOP version includes an especial cover which makes its flush mounted installation easier as it does not require an especial framework for the latch movement.

It allows a short P22 type shield (ref. 2894) or a large L22 type shield (ref.2892) whose main characteristics are that they have a 22 mm width for narrow profiles. For other shields, [see pages 50 and 51](#).

- Body of 66 mm
- Front panel of 16 mm. TOP version of 18,5mm.
- Depth of 25,5mm
- Reversible (Right DIN or left DIN)
- Symmetrical
- Radial and adjustable MAX latch as standard.

SPECIFICATIONS

Consumption:

N 12Vac: 250mA 24Vac: 500mA
12Vdc: 280mA 24Vdc: 560mA

Resistance: 382Kg.

Tested cycles: 250.000

Dimensions: 66(V) x 16(H) mm.

TOP version 66(V) x 18,5(H) mm.

Temperature: -15°C to +40°C

REFERENCES

ELECTRIC STRIKE

■ 10-24 Vac/dc

1813 ELECTRIC STRIKE MOD.990ND MAX 10-24VAC-DC

1814 ELECTRIC STRIKE MOD.990ND TOP MAX 10-24VAC-DC

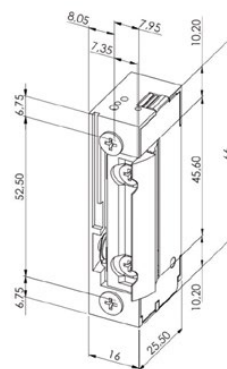
ELECTRIC STRIKE



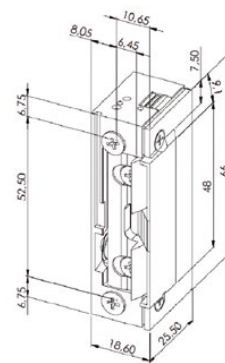
MOD.990ND
MAX



MOD.990ND TOP
MAX



DIMENSIONS
MOD.990ND MAX

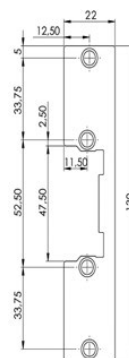


DIMENSIONS
MOD.990ND TOP
MAX

SHIELD



L22



P22

FERMAX REINFORCED

500 REINFORCED SERIES 800 Kg

Recommended for heavy doors in frequent use. Doors in wrought iron, iron or steel with heavy traffic in access. Includes a wire conduit for easy installation with a simple splice connector.

As 450 series but with reinforced steel latch.

- Body 75 mm.
- Front panel 21 mm.
- Reversible (Right DIN or Left DIN).
- Symmetrical.
- With steel bolt impact resistant up to 800 kg.
- Recommended: Stainless steel SX-Type (ref.3049) shield for access door and MX-shield (ref.2868) for locking door. Other compatible shields: P, P22, B22, 53, T, L, L22, 1001, 1002. See pages.50-51.
- **Allows MAX version:** All models can be ordered with adjustable bolt by adding 8 to the end of the reference. Except the CTC.

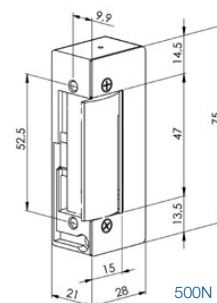
SPECIFICATIONS

Consumption:	Temperature: -40 to 120°C
N, A 12Vac: 980mA	Resistance: 800 Kg
N-412 12Vdc: 400mA	Tested cycles: 200.000

ELECTRIC STRIKE

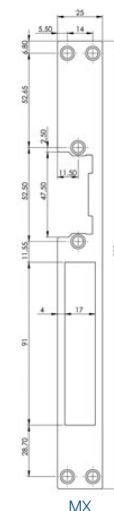


500N MAX

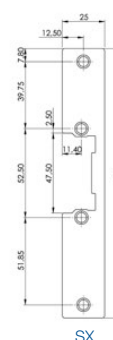


500N

SHIELD



MX



SX

REFERENCES Allows MAX version: All models can be ordered with adjustable bolt by adding 8 to the end of the reference.

ELECTRIC STRIKE

12 Vdc

- 2827 ELECTRIC STRIKE MOD.500N-412
- 1739 ELECTRIC STRIKE MOD.500ND-412
- 1740 ELECTRIC STRIKE MOD.500A-412
- 1741 ELECTRIC STRIKE MOD.500AD-412
- 1742 ELECTRIC STRIKE MOD.500Aa-412
- 1743 ELECTRIC STRIKE MOD.500AaD-412
- 1744 ELECTRIC STRIKE MOD.500N-512
- 1748 ELECTRIC STRIKE MOD.500N-412 CTC
- 1753 ELECTRIC STRIKE MOD.500ND-412 CTC
- 1749 ELECTRIC STRIKE MOD.500N-512 CTC
- 1754 ELECTRIC STRIKE MOD.500ND-512 CTC

24 Vdc

- 1745 ELECTRIC STRIKE MOD.500N-424
- 1746 ELECTRIC STRIKE MOD.500N-524
- 1750 ELECTRIC STRIKE MOD.500N-424 CTC
- 1755 ELECTRIC STRIKE MOD.500ND-424 CTC
- 1751 ELECTRIC STRIKE MOD.500N-524 CTC
- 1756 ELECTRIC STRIKE MOD.500ND-524 CTC

12 Vac

- 2829 ELECTRIC STRIKE MOD.500N
- 1735 ELECTRIC STRIKE MOD.500ND
- 1736 ELECTRIC STRIKE MOD.500A
- 1737 ELECTRIC STRIKE MOD.500AD
- 2825 ELECTRIC STRIKE MOD.500Aa
- 1738 ELECTRIC STRIKE MOD.500AaD
- 1747 ELECTRIC STRIKE MOD.500N CTC
- 1752 ELECTRIC STRIKE MOD.500ND CTC



High doors

Electric Strike require stainless steel short shield SX (ref.3049) or large MX (ref. 2868). See more options at pages 50, 51.

ARMoured SERIES

Recommended for ARMoured or SECURITY doors.

ARMoured model electrical strike with adjustable latch, designed for armoured or security doors with multipoint locks where separation between latch and the first bolt is only 5 mm.

Flush embedded installation in combination with shield WI ref.1808 or WD ref.1809. If surface assembly required, add casing WI ref.1774 or WD ref.1775, depending on LEFT DIN or RIGHT DIN opening. See DIN Standard page 2.

- Body 89,3 mm.
- Front plate 23 mm.
- Non-reversible. (Choose Right DIN or Left DIN).
- Design features high security locking without disturbing bolt position.

SPECIFICATIONS

Consumption:	N, A 12Vac: 780mA
Dimensions:	89(V) x 23(H) mm
Resistance:	300 Kg
Tested cycles:	250.000

REFERENCES

ELECTRIC STRIKE

12 Vac

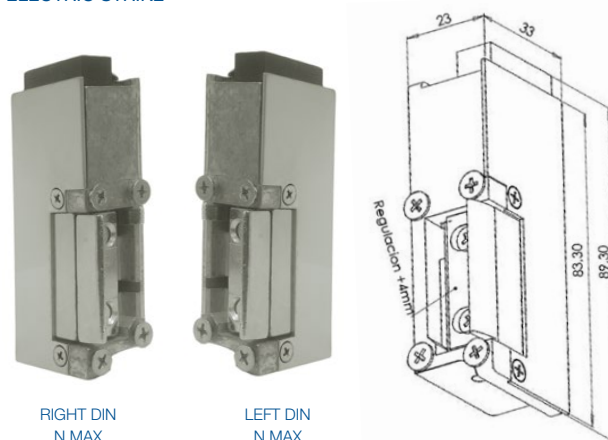
LEFT DIN

- 1804 ELECTRIC STRIKE MOD.ARMoured N MAX
- 1805 ELECTRIC STRIKE MOD.ARMoured ND MAX
- 1806 ELECTRIC STRIKE MOD.ARMoured A MAX
- 1807 ELECTRIC STRIKE MOD.ARMoured AD MAX

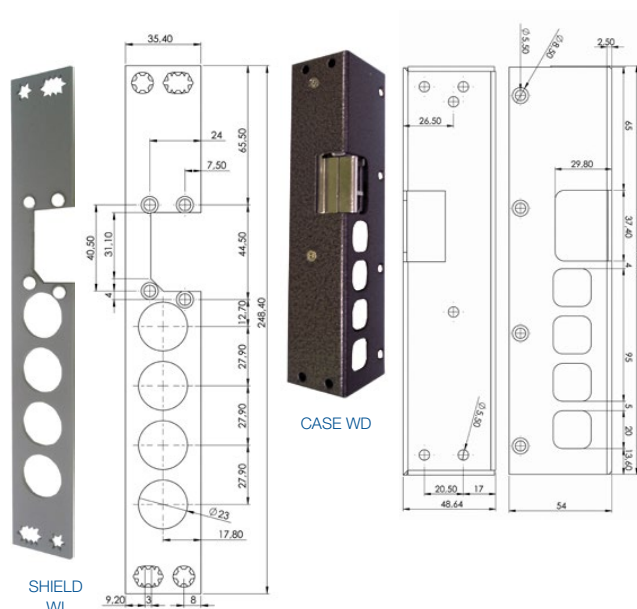
RIGHT DIN

- 1795 ELECTRIC STRIKE MOD.ARMoured N MAX
- 1796 ELECTRIC STRIKE MOD.ARMoured ND MAX
- 1797 ELECTRIC STRIKE MOD.ARMoured A MAX
- 1798 ELECTRIC STRIKE MOD.ARMoured AD MAX

ELECTRIC STRIKE



ACCESSORIES



ACCESSORIES

- 1808 WI-TYPE GREY SHIELD LEFT DIN
- 1809 WD-TYPE GREY SHIELD RIGHT DIN
- 1774 WI-TYPE GREY CASE LEFT DIN
- 1775 WD-TYPE GREY CASE RIGHT DIN

620 WATERTIGHT SERIES (IP65)

Recommended for doors in outdoor locations (enclosures, gates, front line beach properties, etc.). It has fewer holes and incorporates internal and external seals to prevent water and dust getting in, prolonging the lock's working life.

- Body 100 mm.
- Front plate 21,5 mm.
- Reversible (Right DIN or Left DIN).
- Non symmetrical.
- Recommended: stainless steel SX-type shield for access doors and GX-type shield for locking doors. Other compatible shields: 53, 1001. See pages 50, 51.

SPECIFICATIONS

Consumption:

N, Aa 12Vac: 980mA

N-412 12Vdc: 1,3A

Temperature: -40 to 120°C

Resistance: 400 Kg

Tested Cycles: 200.000

REFERENCES

ELECTRIC STRIKE

■ 12 Vac

LEFT DIN

1757 ELECTRIC STRIKE MOD.620 N

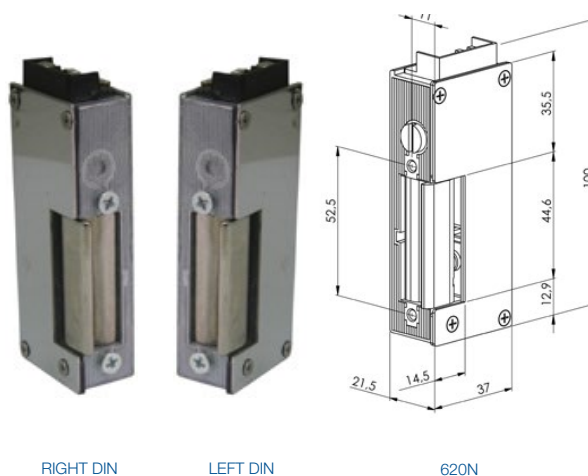
1758 ELECTRIC STRIKE MOD.620 Aa

RIGHT DIN

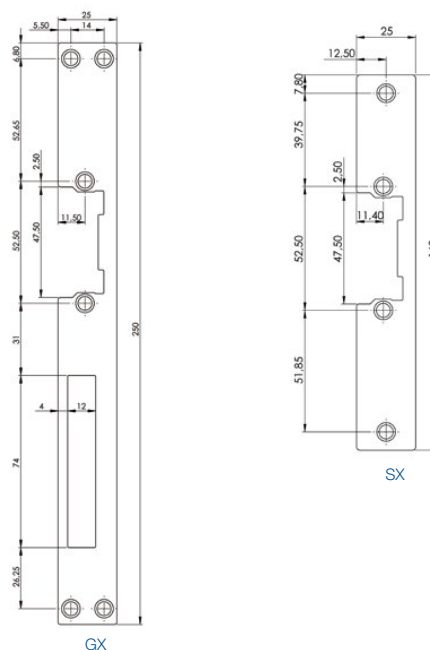
1759 ELECTRIC STRIKE MOD.620 N

1760 ELECTRIC STRIKE MOD.620 Aa

ELECTRIC STRIKE



SHIELD



ACCESSORIES

3049 SX-TYPE SHORT SHIELD STAINLESS STEEL

2838 GX-TYPE LARGE SHIELD STAINLESS STEEL

520 FIREPROOF SERIES

Recommended for Fire Doors or firewalls.

- Body 75,4 mm.
- Front panel 21 mm.
- Reversible (Right DIN or Left DIN).
- Symmetrical.
- Recommended: PX-type (ref.1770) stainless steel short shield for access doors. For locking door, with latch recess, MX-type (ref.2868) large shield recommended. Other compatible shields: P, P22, B22, 53, T, L, L22M 1001. [See pages 50, 51.](#)

SPECIFICATIONS

Consumption:

N, A 12Vac: 980mA

N-412 12Vdc: 1,3A

Temperature: -40 to 120°C

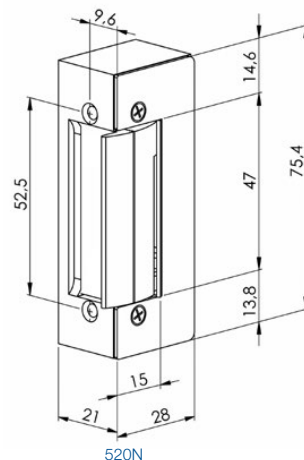
Resistance 800 Kg

Tested Cycles: 200.000

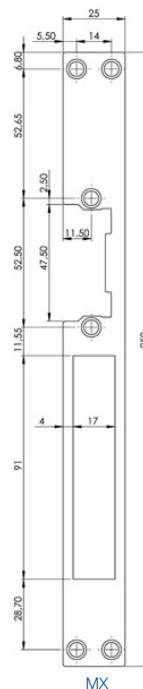
ELECTRIC STRIKE



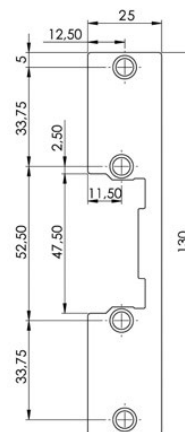
520N



SHIELD



MX



PX

REFERENCES

ELECTRIC STRIKE

12 Vac

1761 ELECTRIC STRIKE MOD.520 N

1762 ELECTRIC STRIKE MOD.520 N CTC

1763 ELECTRIC STRIKE MOD.520 A

12 Vdc

1764 ELECTRIC STRIKE MOD.520 N-412

1765 ELECTRIC STRIKE MOD.520 N-512

ACCESSORIES

1770 PX-TYPE SHORT SHIELD STAINLESS STEEL

2868 MX-TYPE LARGE SHIELD STAINLESS STEEL

460 SERIES. 9000 SERIES.

460 SERIES

The deeper latch and shield make it particularly suitable for metal frames. Also suitable for American or British locks.

- Body 75,3 mm.
- Reversible (Right DIN or Left DIN).
- Symmetrical.

9000 SERIES

Recommended for flush mounting in metal frames, for its flanged shield and reinforced latch.

- Body 102 mm.
- Reversible (Right DIN or Left DIN).
- Non-symmetrical.

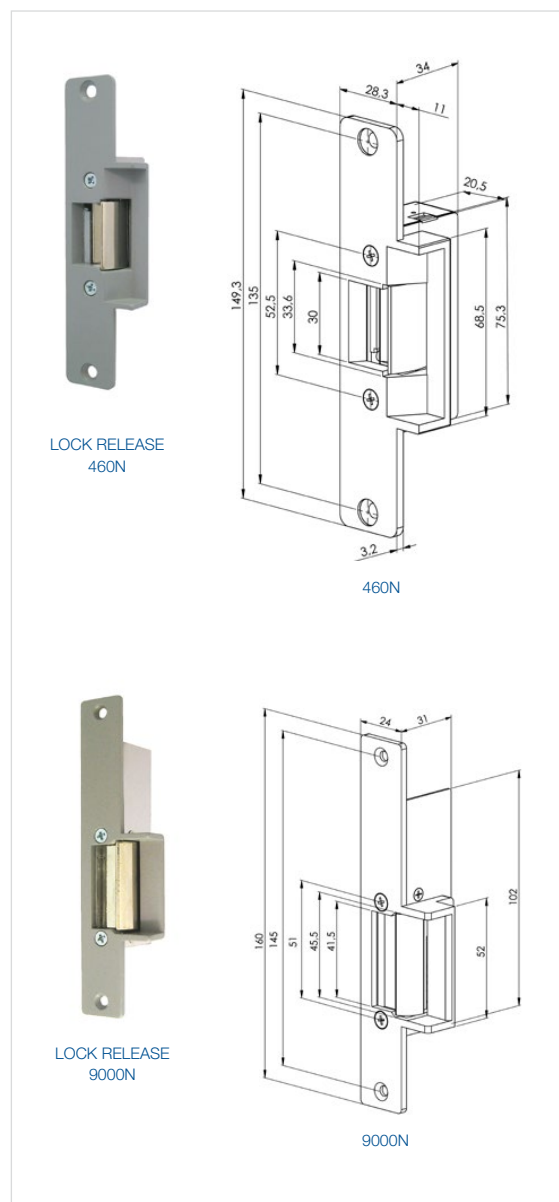
SPECIFICATIONS

Consumption: N 12Vac: 980mA

Temperature: -40 to 120°C

Resistance: 210 Kg (460) - 230 Kg (9000)

Tested Cycles: 200.000



REFERENCES

LOCK RELEASE

12 Vac

2956 LOCK RELEASE MOD.460N

2969 LOCK RELEASE MOD.9000N



FERMAX AUTOMATIC LOCK

850 AUTOMATIC LOCK SERIES

The bolt is passed automatically with no need for keys.
Opening, also automatic, can be performed remotely.

- The automatic lock consists of 2 parts:
 - Mechanical part (on the door leaf).
 - Electrical part (located in the frame).
- Mechanical body 174 mm and front panel 17 mm.
- Electric body 112 mm and front panel 14,20 mm.
- Reversible (Right DIN or Left DIN).
- Includes stainless steel shield.
- There are several models depending on the distance between the centre of the cylinder and front panel A*.

SPECIFICATIONS

Consumption: 12Vac: 990mA 12Vdc: 1350mA
Voltage: 12V
Temperature: -10°C to 50°C



TYPE AND DIMENSIONS

TYPES	A*	B*
Mod.850/25	25	39
Mod.850/30	30	44
Mod.850/35	35	49
Mod.850/50	50	64

A: Distance in mm between centre of cylinder and front part.

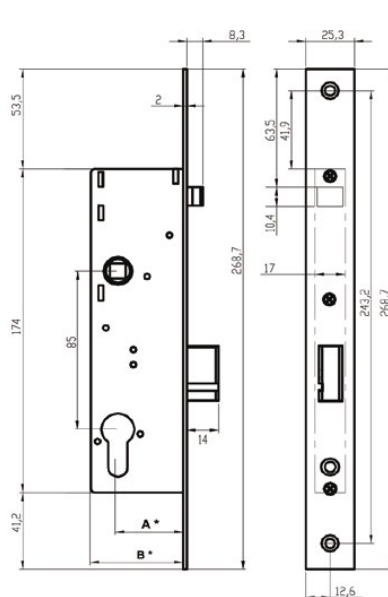
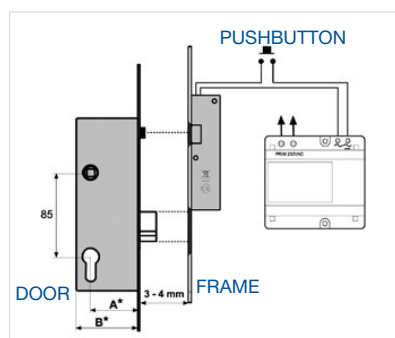


Image dimensions 1

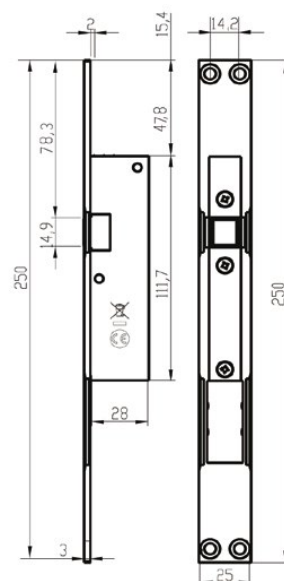


Image dimensions 2

REFERENCES

LOCK RELEASE

■ 12 Vac/12Vdc

- 3102 AUTOMATIC LOCK MOD.850/25 A
- 3104 AUTOMATIC LOCK MOD.850/30 A
- 3103 AUTOMATIC LOCK MOD.850/35 A
- 3101 AUTOMATIC LOCK MOD.850/50 A

ELECTRIC STRIKE

■ 12 Vac/12Vdc

- 2869 ELECTRIC STRIKE MOD.850 A
- It's included in all the replacements for automatic lock.

950 SERIES

Reversible electric lock designed for swing doors. Available in three models depending on distance between keyhole axis and front; can be ordered in 25, 30 and 35 mm.

Runs on 12Vdc and requires stabilised power supply, such as ref. 4813 (12Vdc 2A).

- Normal operation N-412 and inverted operation N-512.
- Shield supplied and filler panel.

SPECIFICATIONS

Consumption:

N-412 12Vdc: 320mA.

N-512 12Vdc: 255mA.

Dimensions:

950/25: 255(V) x 25(H) x 42,5(D) mm

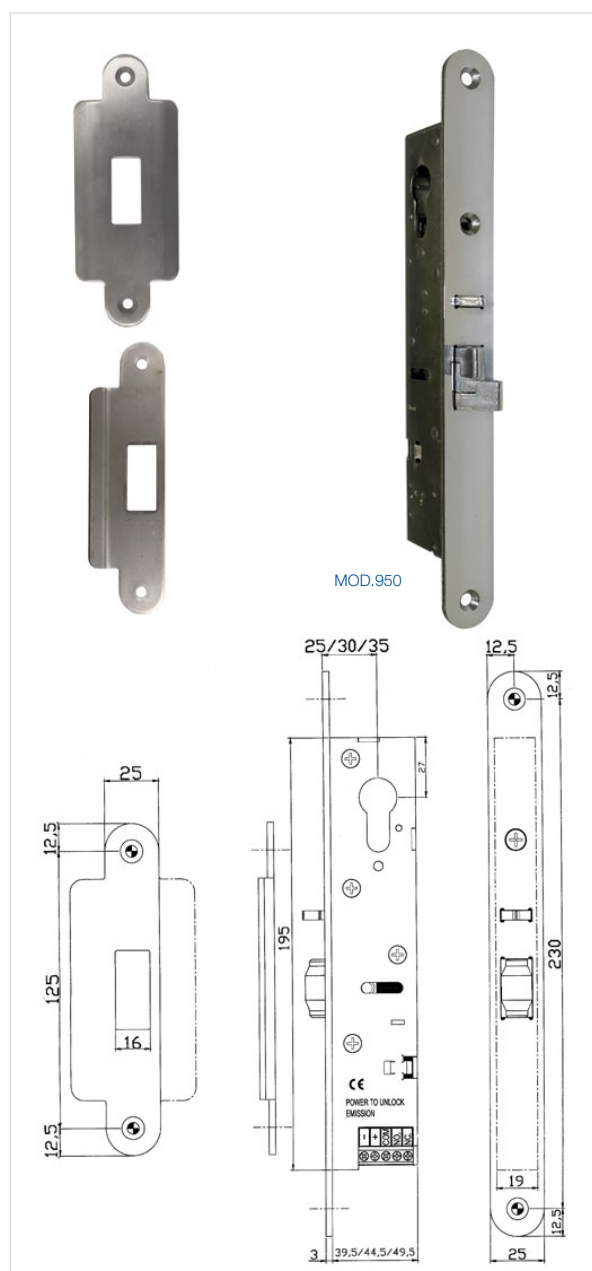
950/30: 255(V) x 25(H) x 47,5(D) mm

950/35: 255(V) x 25(H) x 52,5(D) mm

Shield: 150 (V) x 40(H) x 3(D) mm

150 (V) x 40(H) x 3(D) mm

Filler panel: 140 (V) x 24(H) x 3(D) mm



REFERENCES

ELECTRIC LOCK RELEASE

12 Vdc

1788 SWING DOOR SOLENOID BOLT LOCK MOD.950/25N-412

1789 SWING DOOR SOLENOID BOLT LOCK MOD.950/25N-512

1790 SWING DOOR SOLENOID BOLT LOCK MOD.950/30N-412

1791 SWING DOOR SOLENOID BOLT LOCK MOD.950/30N-512

1792 SWING DOOR SOLENOID BOLT LOCK MOD.950/35N-412

1793 SWING DOOR SOLENOID BOLT LOCK MOD.950/35N-512

**FERMAX**

ELECTRIC BOLTS

100 SERIES. 600 SERIES.

Inverted function electric bolt ideal for security installations, banks and access control.

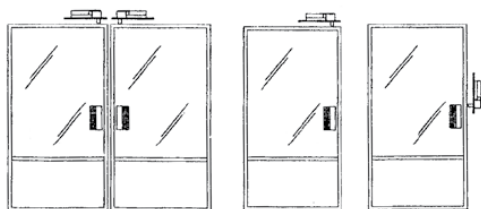
Flush assembly.

Electric bolt without keyhole has two timers:

- If door does not open when pressed, it is locked again after 3 sec. (can be set at 6 or 10 sec.).
- Bolt is triggered 1,5 sec. after closing the door (can be set to trigger immediately or at 4 sec.).

Inverted operation N-512 at 12 Vdc.

Requires stabilised supply, such as Ref.4813. (Power supply 12 Vdc/2A.)



SPECIFICATIONS

100 SERIES

Initial Consumption:

12Vdc: 950mA

Usage Consumption:

12Vdc: 270mA

Dimensions:

203(V) x 32,6(H) x 40 (P) mm

Bolt diameter: 15 mm.

600 SERIES

Initial Consumption:

12Vdc: 1,1A

Usage Consumption:

12Vdc: 140mA

Dimensions:

203(V) x 27(H) x 39,5 (P) mm

REFERENCES

ELECTRIC BOLTS

■ 12 Vdc

100 SERIES

1784 ELECTRIC BOLT MOD.100 N-512

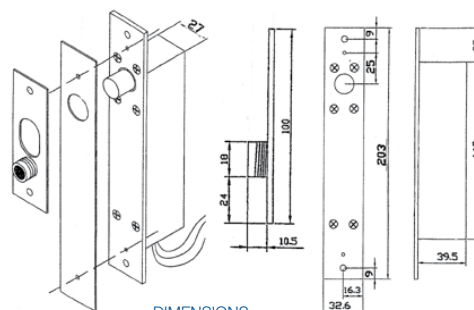
■ 12 Vdc

600 SERIES

1785 ELECTRIC BOLT MOD.600 N-512

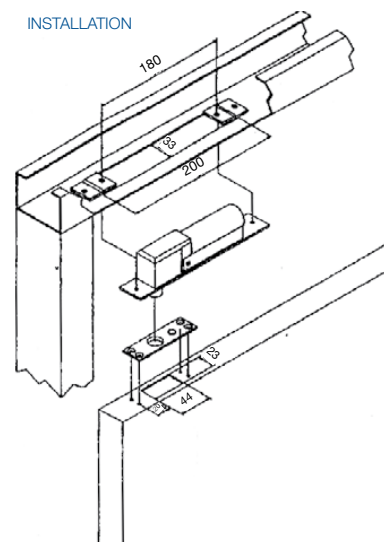


MOD.100

DIMENSIONS
MOD.100

MOD.600

INSTALLATION



700 SERIES

Inverted function electric bolt ideal for security installations, banks and access control. Installing this type of electric bolt is very simple thanks to its slim 22mm shield, making it ideal for all kinds of doors, with identical shield and faceplate dimensions to make it reversible. Admits both 12Vdc and 24Vdc power supply. With timing and monitoring functions.

While the door is closed it receives current and the bolt remains shut; when current is interrupted the bolt is hidden. When we close it again, the magnet detects the closed position and triggers the piston sensor, activating the bolt and locking the door again.

Requires stabilised power supply, such as ref. 4813 (12Vdc 2A).

For surface installation, additionally requires accessory V700 (ref.1787).

SPECIFICATIONS

Initial consumption:

12Vdc: 1A

24Vdc: 500mA

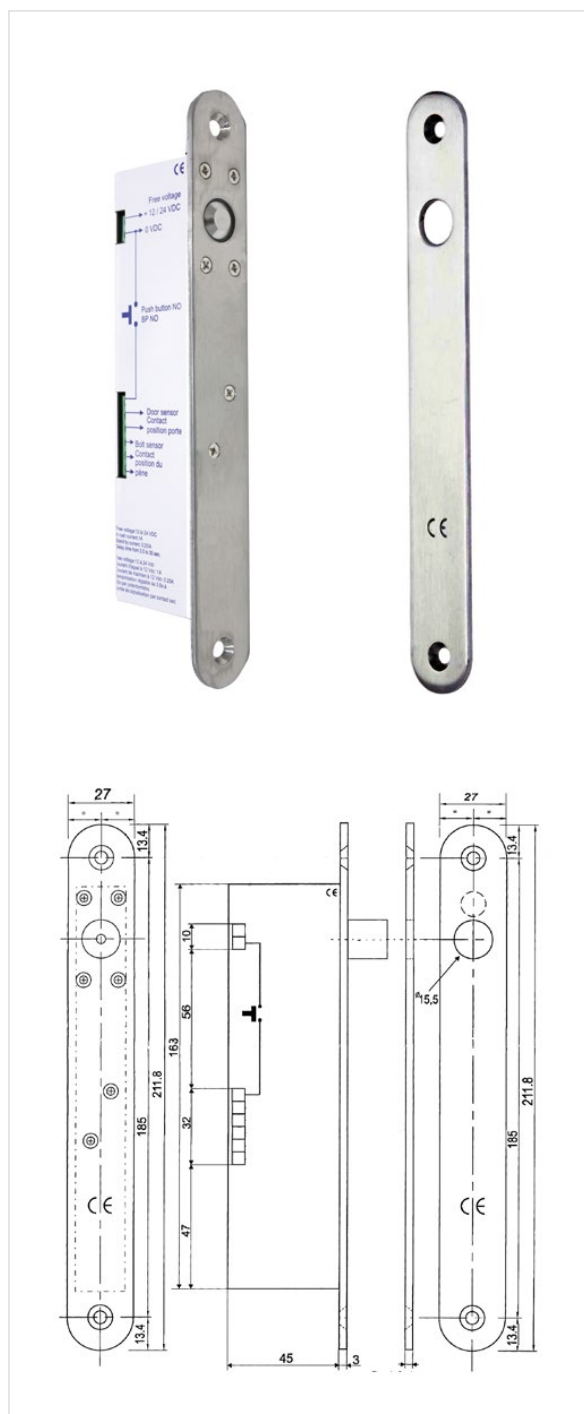
Usage consumption:

12Vdc: 250mA

24Vdc: 140mA

Dimensions:

212(V) x 22(H) x 45(P) mm



REFERENCES

ELECTRIC BOLT

12 Vdc/24 Vdc

1786 ELECTRIC BOLT MOD.700 N-512-524

CII CRYSTAL SERIES Singel leaf

Recommended for glass doors equipped with upper or lateral frame, in metallic or wooden profile.

- For single leaf glass doors up to 12 mm.
- Reversible (Right DIN or Left DIN).
- Non-symmetrical.
- For double leaf doors, 2 lock releases must be fitted in the upper part of the frame, one for each leaf.
- Includes a safety device to prevent lock release blocking if the door is open.
- Cannot be used for swing doors.

SPECIFICATIONS

Consumption:

N	12Vac:	980mA
N-412	12Vdc:	200mA
N-512	12Vdc:	150mA

Temperature: -40 to 120°C

Resistance: 260 Kg

Tested cycles: 200.000

REFERENCES

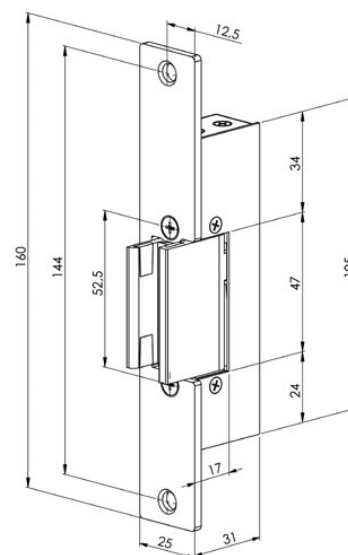
LOCK RELEASE

■ 12 Vdc

3098 CRYSTAL LOCK RELEASE MOD.CIIN-512-SX



CIIN-SX



CIIN-SX



Glass door with wooden profile.

FERMAX ELECTROMAGNETIC

ELECTROMAGNETIC SERIES

- Allows to close a door without a traditional lock. Also used to keep doors open for security purposes.
- Inverted operation. The electromagnetic lock releases the door when the power is off.
- Consists of an electromagnet fitted in the frame of the door or access and a metal plate installed in the moving part of the door.
- When the electromagnet is powered up, closing is secured by magnetic pull of the magnet on the plate. When the magnet is not powered, the door is released.
- Suitable for installations where we want to hide the electromagnet and for sliding doors.
- Includes assembly kit and installation instructions.
- Runs on 12 Vdc or 24 Vdc power supply.

See installation instructions supplied with the equipment.

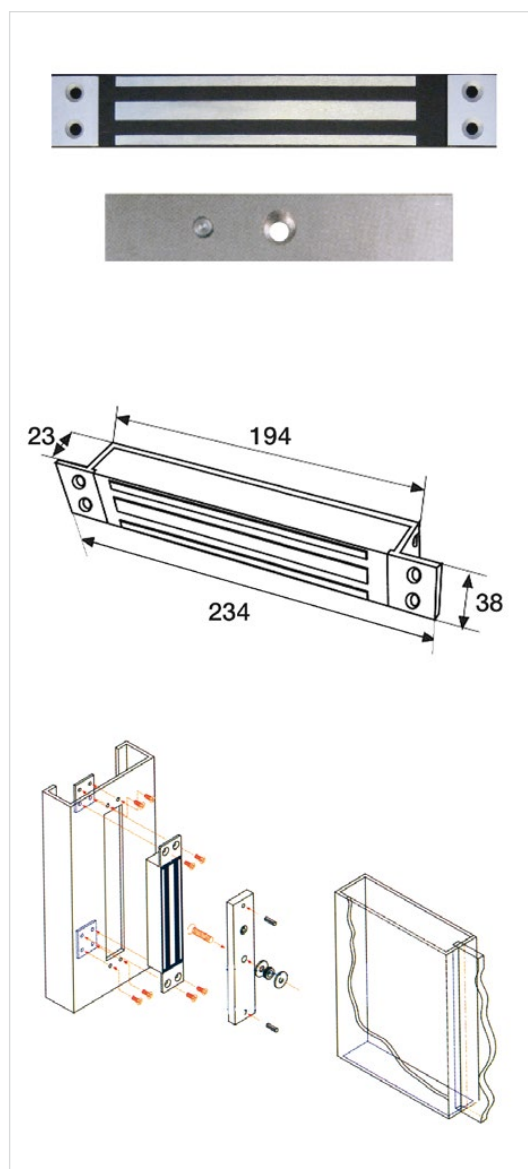
SPECIFICATIONS

Consumption:

12Vdc: 500mA

24Vdc: 250mA

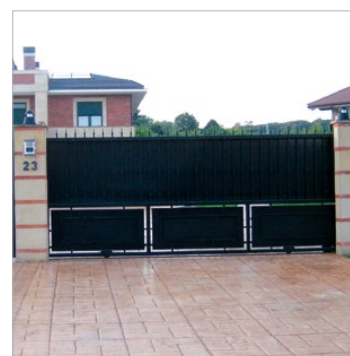
Resistance: 300 Kg



REFERENCES

LOCK RELEASE

3050 ELECTROMAGNETIC FLUSH-MOUNTED 300 Kg CTC
Holding force 3000N. For two-way doors or sliding door



Sliding door





FERMAX

LOCK RELEASE

SURFACE



FERMAX UNIVERSAL

2001 - 2006 SERIES Visible attachment

- Includes Universal strike.
- One-piece case 146 mm.
- Reversible (Right DIN or Left DIN).
- Non-symmetrical.
- Visible attachment on frame.
- For locks without latch/bolt.
- **Allows MAX version:** All models can be ordered with adjustable latch/bolt by adding 8 to the end of the reference.

SPECIFICATIONS

Consumption:
N, A 12Vac: 980mA
Temperature: -40 to 120°C
Resistance: 260 Kg
Tested cycles: 200.000

REFERENCES

LOCK RELEASE

■ 12 Vac

2001 CHROME SERIES*

2923 LOCK RELEASE N-2001 CHROME

2917 LOCK RELEASE A-2001 CHROME

For more operation types choose the Universal Electric Strike (page 21) and add the corresponding case.

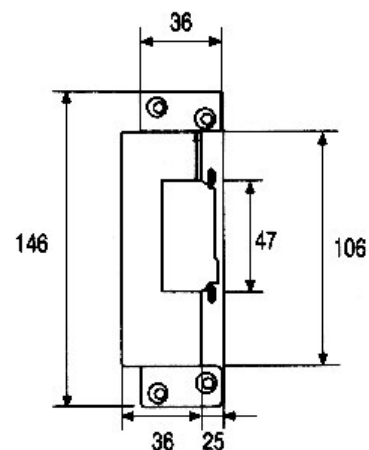
ACCESSORIES

2979 2001-TYPE CHROME CASE

2987 2006-TYPE GREY CASE



N-2001



2001



=



+



Electric Strike

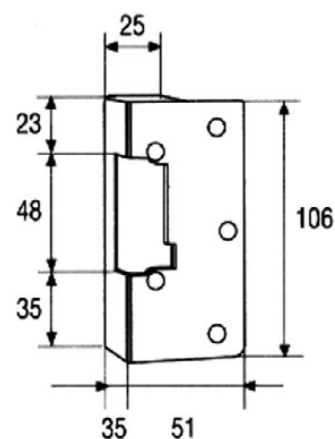
Case

2005 - 2007 SERIES Hidden attachment

- One-piece case 106 mm.
- Reversible (Right DIN or Left DIN).
- Non-symmetrical.
- Attachment concealed on frame.
- For locks without latch/bolt.
- Choose the Universal Electric Strike (page 21) and add the shield (ref. 2983 or 2964).
- **Allows MAX version:** All models can be ordered with adjustable latch/bolt by adding 8 to the end of the reference.



N-2005



2005

SPECIFICATIONS

Consumption:

N, A 12Vac: 980mA

Temperature: -40 to 120°C

Resistance: 260 Kg.

Tested cycles: 200.000

REFERENCES

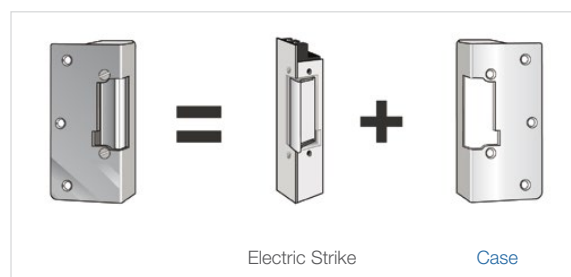
LOCK RELEASE

Choose the most appropriate lock release for your installation by choosing the Universal Electric Strike (page 21). Add then the corresponding case. (See Accessories).

ACCESSORIES

2983 2005-TYPE CHROME CASE

2964 2007-TYPE GREY CASE



Electric Strike

Case



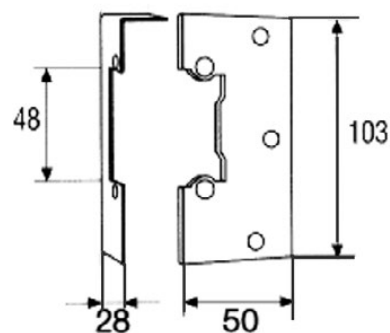
2003 SERIES Hidden attachment

Equipped with angular cover and clamping tab. Allows surface and flush mounting, adding a strike plate/shield to the set.

- Includes Universal Electric strike.
- Two-piece case 103 mm.
- Reversible (Right DIN or Left DIN).
- Non-symmetrical.
- Attachment concealed on frame.
- For locks without latch/bolt.
- For more operation types, select Universal Electric Strike on page 21 and case type 2003 ref. 2981.
- **Allows MAX version:** All models can be ordered with adjustable latch/bolt by adding 8 to the end of the reference.



N-2003



2003

SPECIFICATIONS

Consumption:
N, A 12Vac: 980mA
Temperature: -40 to 120°C
Resistance: 260 Kg
Tested Cycles: 200.000

REFERENCES

LOCK RELEASE

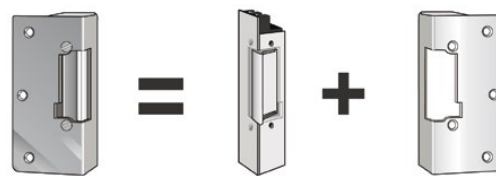
■ 12 Vac

- 2940 LOCK RELEASE N-2003 AL. ANOD.
2942 LOCK RELEASE A-2003 AL. ANOD.

For other operation types, select the Universal Electric strike on page 21 and case type 2003.

ACCESSORIES

- 2981 2003-TYPE GREY COVER/CASE



Electric Strike

Case

6000 SERIES

- For locks with latch/bolt.
- Reversible (Left DIN, Right DIN).
- Symmetrical.
- Attachment concealed on frame.

SPECIFICATIONS

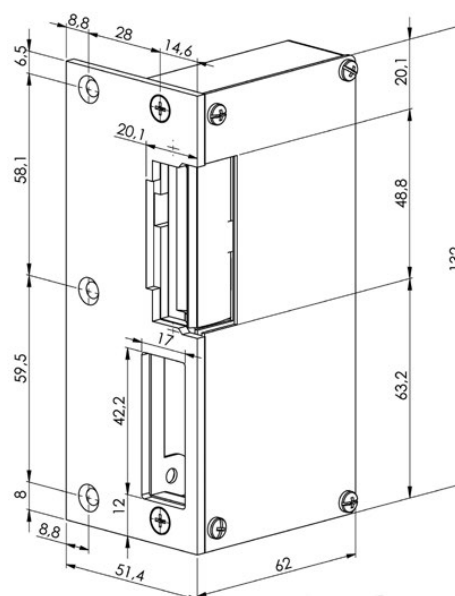
Consumption:

N, A	12Vac: 980mA
N-412	12Vdc: 200mA
N-512	12Vdc: 150mA



6000A
Left DIN

6000A
Right DIN



6000A
Left DIN

REFERENCES

LOCK RELEASE

12 Vac

3004	LOCK RELEASE MOD.6000N
3005	LOCK RELEASE MOD.6000A
3006	LOCK RELEASE MOD.6000AD

12 Vdc

3072	LOCK RELEASE MOD.6000N-412
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**FERMAX**

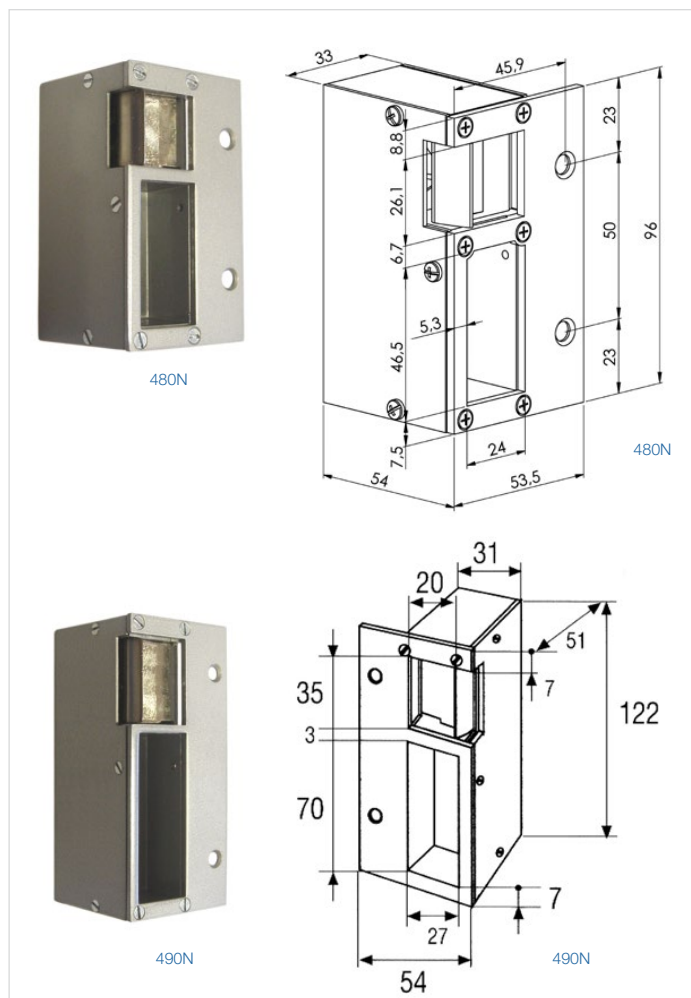
H LOCK / V LOCK

480 horizontal SERIES. 490 vertical SERIES.

- For horizontal bolt locks with latch width up to 20 mm.
- Body 480 Series of 96 mm and 490 Series of 122 mm.
- Reversible (Right DIN or Left DIN).
- Symmetrical.
- Attachment concealed on frame.

SPECIFICATIONS

Consumption:
N, A 12Vac: 980mA



REFERENCES

LOCK RELEASE

■ 12 Vac

480 SERIES

- 3030 LOCK RELEASE MOD.480N
3031 LOCK RELEASE MOD.480A

■ 12 Vac

490 SERIES

- 3034 LOCK RELEASE MOD.490N
3035 LOCK RELEASE MOD.490A

HORIZONTAL LOCK



VERTICAL LOCK



P SERIES Panic

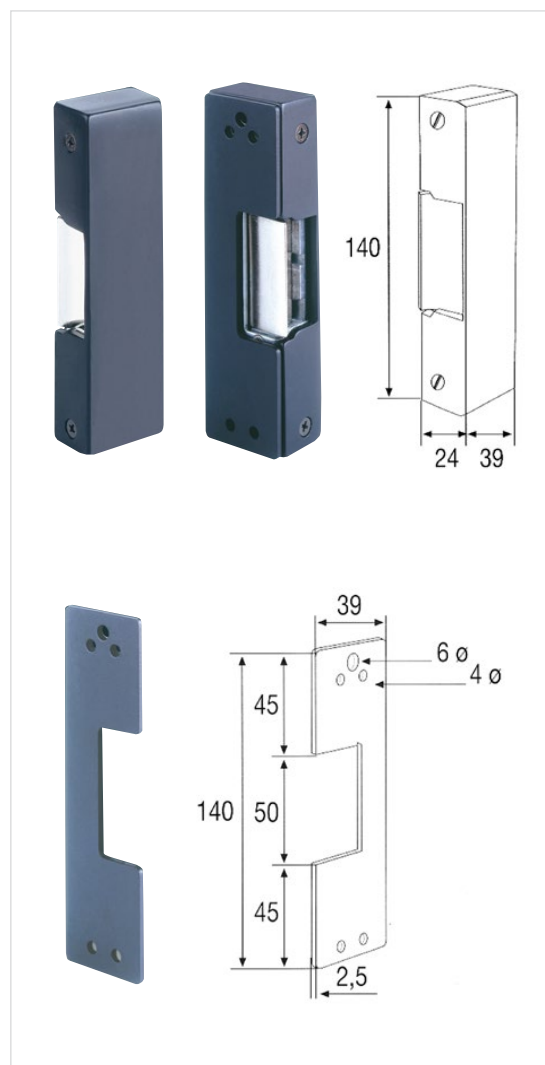
Supplied in black as standard issue, along with 8 accessories 2,5 mm thick. This model is installed in virtually all brands of panic bar lockset.

- For doors with panic bar.
- Reversible (Right DIN or Left DIN).
- Symmetrical.
- Concave latch adaptable to panic bar lock deadbolt.

SPECIFICATIONS

Consumption:

N	12Vac: 980mA
N-412	12Vdc: 150mA
N-512	12Vdc: 150mA
N-424	24Vdc: 120mA



REFERENCES

LOCK RELEASE

■ 12 Vac

3064	LOCK RELEASE MOD.PN
1766	LOCK RELEASE MOD.PN CTC
1767	LOCK RELEASE MOD.PAa

■ 12 Vdc

3065	LOCK RELEASE MOD.PN-412
3066	LOCK RELEASE MOD.PN-512
1769	LOCK RELEASE MOD.PN-512 CTC

■ 24 Vdc

3067	LOCK RELEASE MOD.PN-424
1768	LOCK RELEASE MOD.PN-524



Antipanic bars

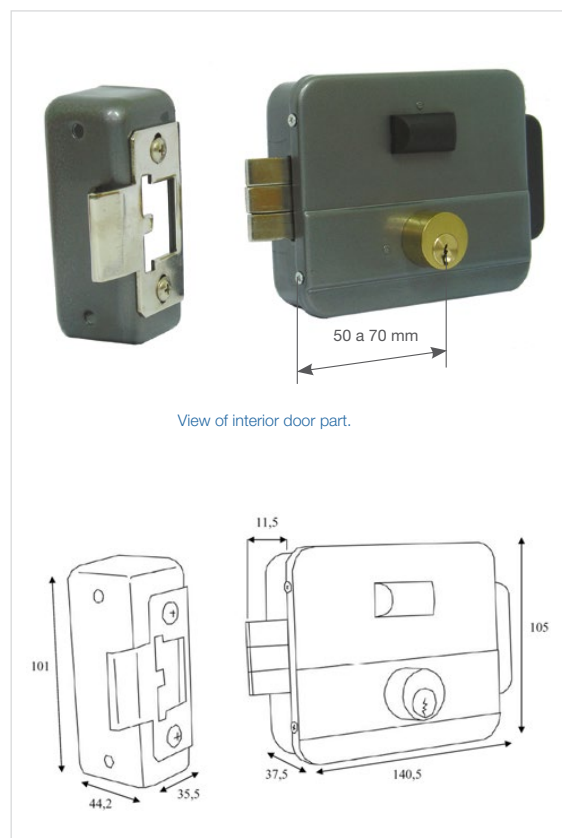


FERMAX ELECTRIC RIM LOCK

960 SERIES Replacement

Its size and standard attachment points allow insertion into the majority of electric locks. The cylinder is adjustable from 50 to 70 mm.

- Reversible outdoor electric lock with 50 mm cylinder.
- Key opening outside and pushbutton inside.
- Reversible (Right DIN or Left DIN).
- Symmetrical.



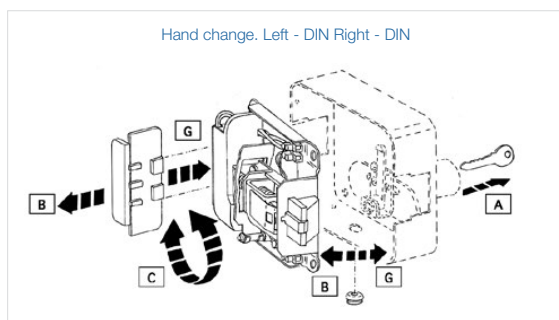
SPECIFICATIONS

Consumption:

12Vac: 850mA

12Vdc: 1,7A

15W / 18W



REFERENCES

LOCK RELEASE

■ 12 Vac / 12Vdc

2878 ELECTRIC RIM LOCK MOD.961-DOUBLE KEY

2879 ELECTRIC RIM LOCK MOD.962-DOUBLE KEY + PUSHBUTTON
(The exit button can be disabled through the indoor key, allowing the user to exit using a key or electric opening)



8000 SERIES With chain

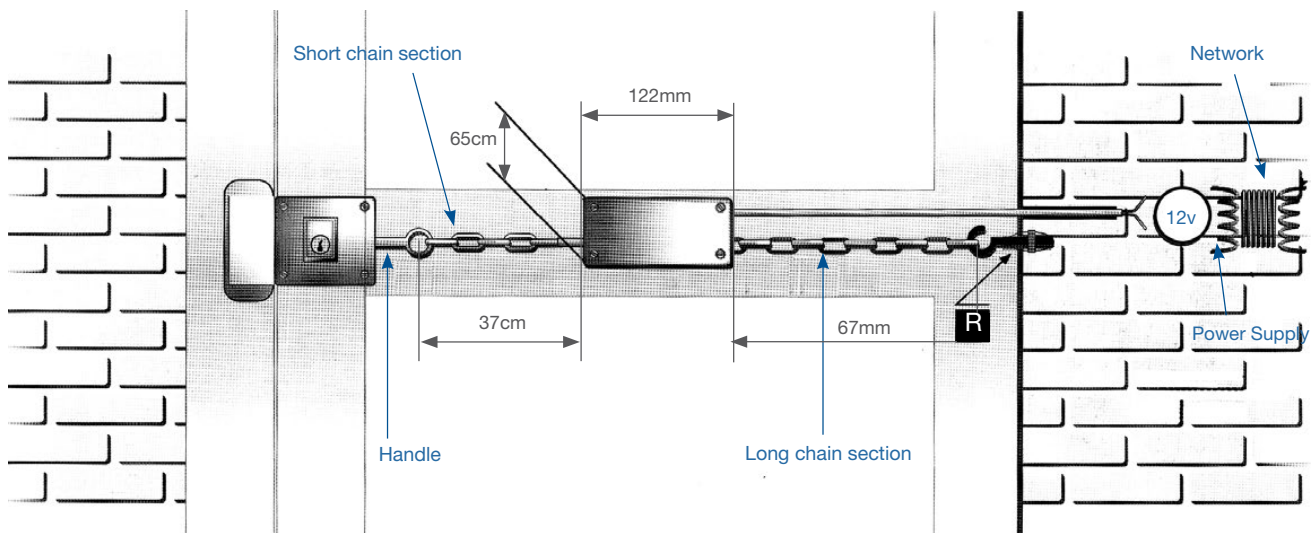
- Surface lock, with chain.
- Reversible (Right DIN or Left DIN).
- For surface locks with handle.



SPECIFICATIONS

Consumption:

12Vac: 980mA



ASSEMBLY INSTRUCTIONS

Remove the cover and attach the shortest chain section to the lock handle. Tighten this section of chain to the limit, WITHOUT DISPLACING THE HANDLE, and fit the lock release firmly onto the door using the three attachment points on the inside. Now, part R (trigger force regulator), located at the end of the long chain, can be screwed onto the door frame. It may be necessary to remove a chain link. It can also be tightened simply by moving the threaded stud of the R part by turning the nuts fitted to it. Once the lock release is fitted, we can go ahead and wire up the electrical connection, check that it is working properly and finally replace the cover.

REFERENCES

LOCK RELEASE

■ 12 Vac

2984 LOCK RELEASE MOD.8000N WITH CHAIN

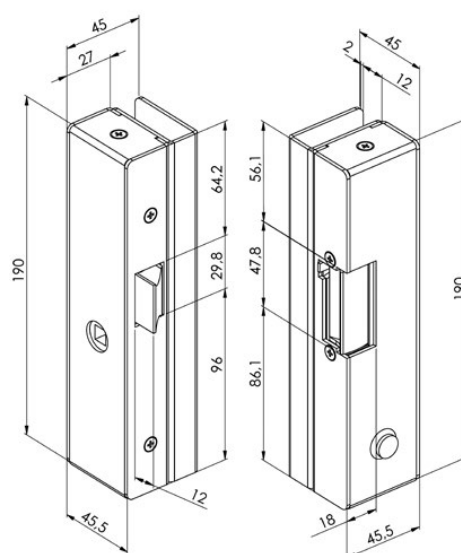


C CRYSTAL SERIES Double leaf

- For double leaf glass doors up to 12 mm.
- Surface lock release.
- Reversible (Right DIN or Left DIN).
- There is a hole on the inside to fit a handle to open the door manually and a pushbutton for electric opening.
- Simple assembly. To be secured using strong silicon glue and screws that lightly rub the glass. Not supplied with the lock release.



CND



SPECIFICATIONS

Consumption:

N, A 12Vac: 980mA

Temperature: -40 to 120°C

Resistance: 260 KG

Tested Cycles: 200.000

REFERENCES

LOCK RELEASE

2997 CRYSTAL LOCK RELEASE MOD.CND CHROME

2961 CRYSTAL LOCK RELEASE MOD.CA CHROME

2998 CRYSTAL LOCK RELEASE MOD.CAD CHROME



Glass doors with double leaf and one fixed.

ELECTROMAGNETIC SERIES

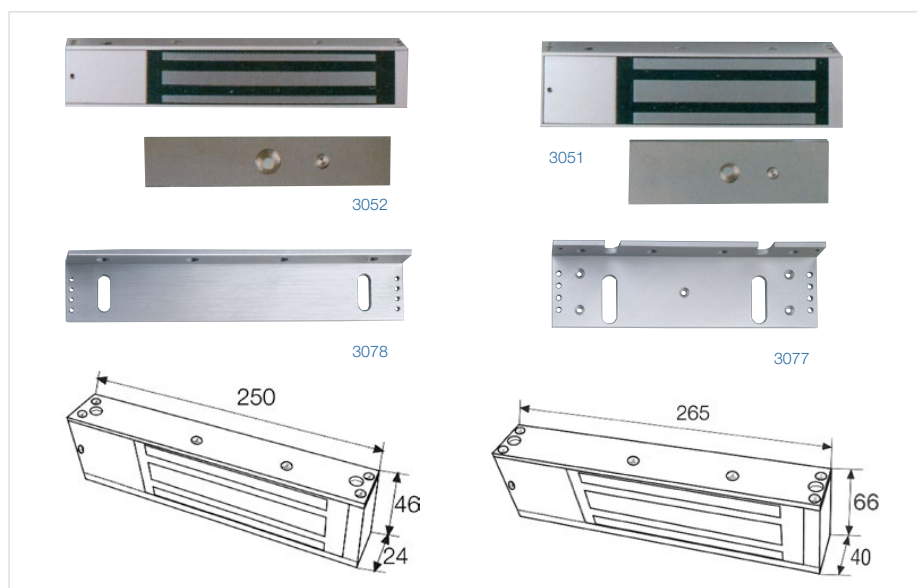
- Allows to close a door without a traditional lock. Also useful to keep doors open for security purposes.
 - Electromagnetic lock releases the door when it is no longer powered.
 - Includes assembly kit and installation instructions.
 - Runs on 12 Vdc or 24 Vdc power supply.
- See installation instructions.*

SPECIFICATIONS

Consumption:

12Vdc: 480mA

24Vdc: 240mA



REFERENCES

LOCK RELEASE

3052 ELECTROMAGNETIC LOCK SURFACE 300Kg.

Holding force: 300N

Bracket optional Ref.3078.

3078 BRACKET L-3 FOR REF.3052

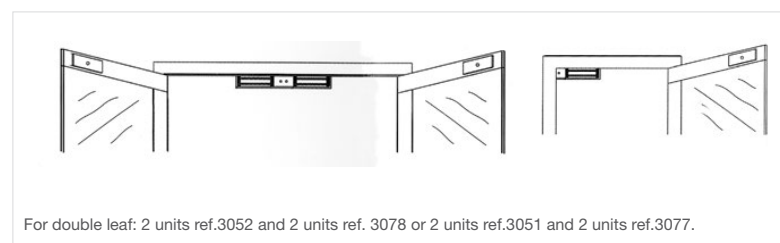
3051 ELECTROMAGNETIC LOCK SURFACE 500Kg.

Provides higher level security with 500 kg of pulling force. Recommended for high security entry points and outdoor accesses.

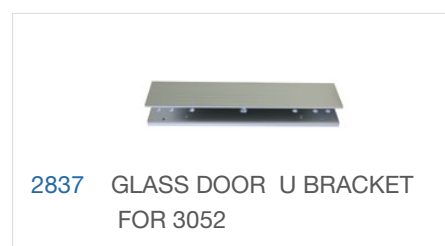
Holding force: 5000N.

Bracket optional Ref.3077.

3077 BRACKET L-2 FOR REF.3051



■ ACCESSORIES*



* for ref.3052





FERMAX




LOCK RELEASE
ACCESSORIES



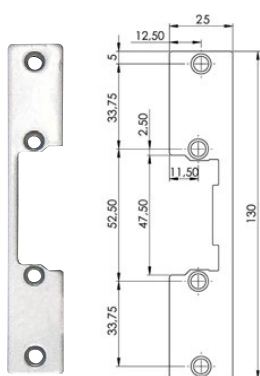
FERMAX SHIELDS

SHIELDS Flush-mounted lock release

Metallic trim coupled with an Electric strike forms a flush mounted lock release for access doors or latch/deadbolt entry doors. Choice of shield depends on the profile or material used in the door (aluminium, iron or wood).

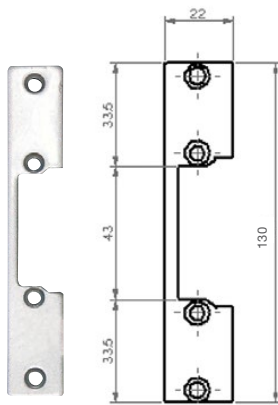
FLUSH-MOUNTED LOCK RELEASE	ELECTRIC STRIKE	SHIELD
	 <div> N ND A AD Aa N-400 N-500 </div>	 <div> S P G GE L 1001 1002 53 22 </div>

1. FOR ACCESS DOOR

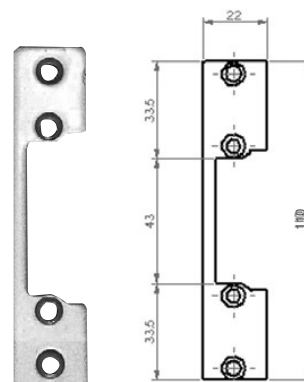


2974 P-TYPE GREY SHIELD

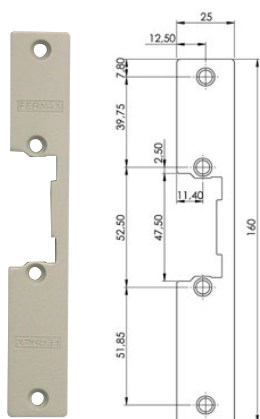
1770 PX-TYPE SHIELD
STAINLESS STEEL



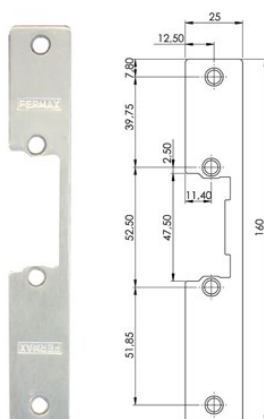
2894 P22-TYPE GREY
SHIELD



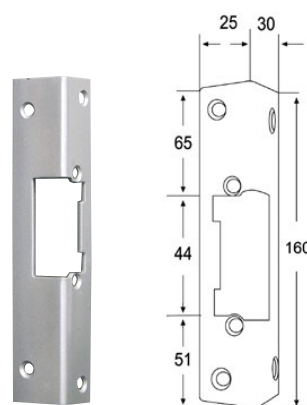
2891 B22-TYPE GREY
SHIELD



2973 S-TYPE GREY
SHIELD

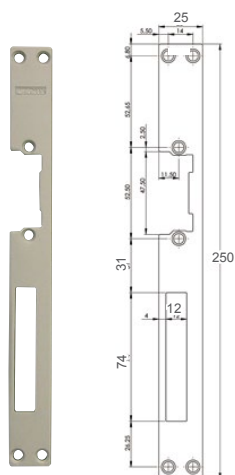


3049 SX-TYPE SHIELD
STAINLESS STEEL

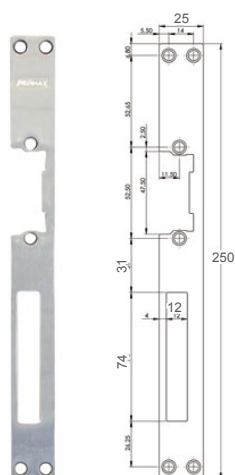


3089 53-TYPE GREY SHIELD

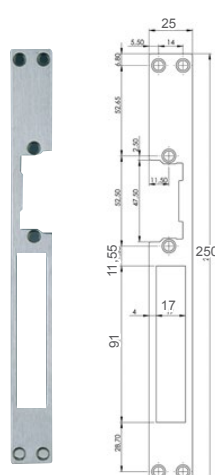
2. FOR LATCH-DEADBOLT LOCK DOORS



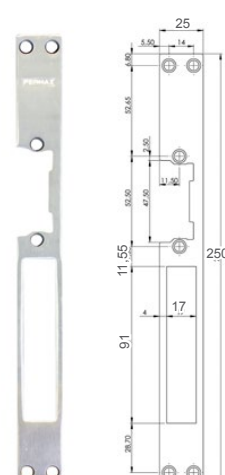
2975 G-TYPE GREY SHIELD



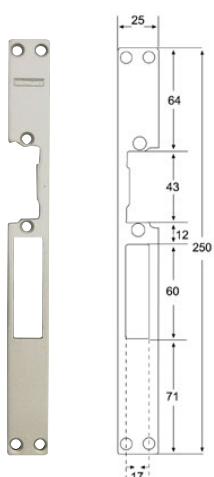
2838 GX-TYPE SHIELD STAINLESS STEEL



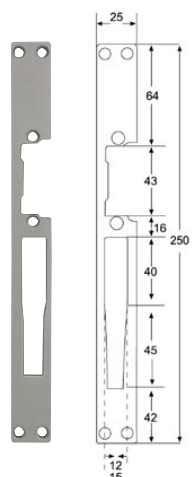
2893 M-TYPE GREY SHIELD



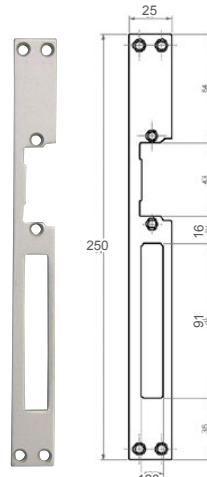
2868 MX-TYPE SHIELD STAINLESS STEEL



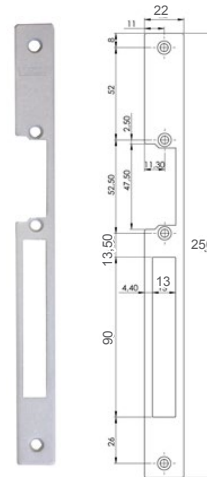
2985 GE-TYPE GREY SHIELD



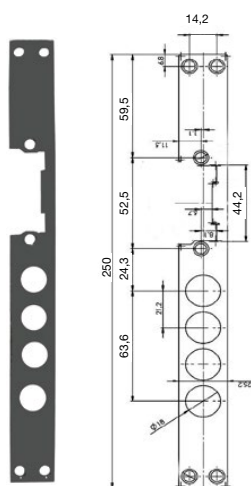
2895 T-TYPE GREY SHIELD



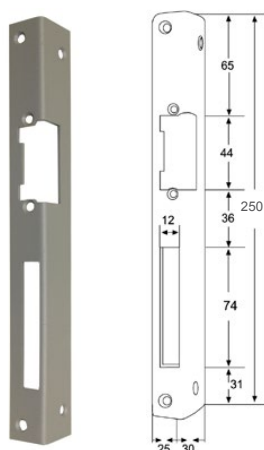
3088 L-TYPE GREY SHIELD



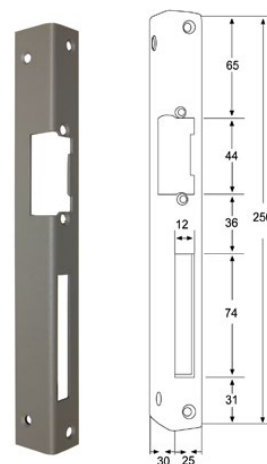
2892 L22-TYPE GREY SHIELD



1773 BOLT TYPE SHIELD



1771 1001-TYPE GREY SHIELD. LEFT DIN.




1772 1002-TYPE GREY SHIELD. RIGHT DIN.

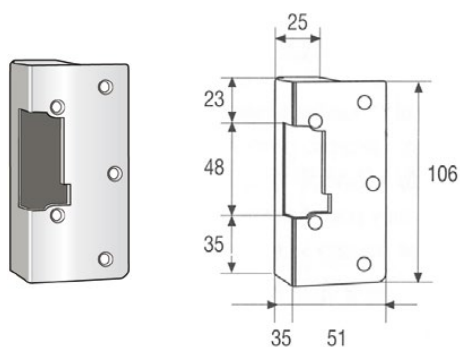


CASES Surface lock release

Metallic trim along with an Electric strike makes up a surface-mounted lock release.

SURFACE LOCK RELEASE	ELECTRIC STRIKE	CASE
	 <ul style="list-style-type: none"> N ND A AD Aa N-400 N-500 	 <ul style="list-style-type: none"> F-2001 F-2005 F-2003

1. HIDDEN FRAME ATTACHMENT

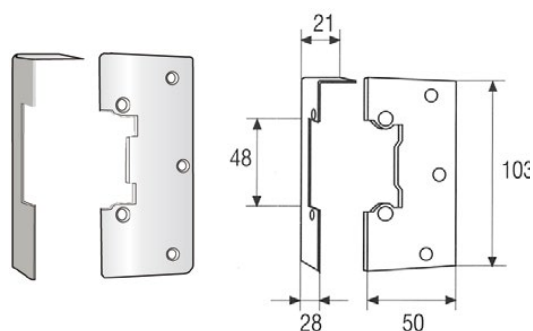


To combine with Universal strike (page 21)

One-piece models.

2983 2005-TYPE CHROME CASE

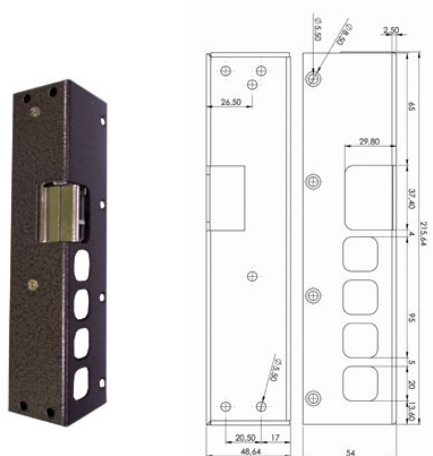
2964 2007-TYPE GREY CASE



To combine with Universal strike (page 21)

Modelo de dos piezas.

2981 2003-TYPE GREY COVER/CASE

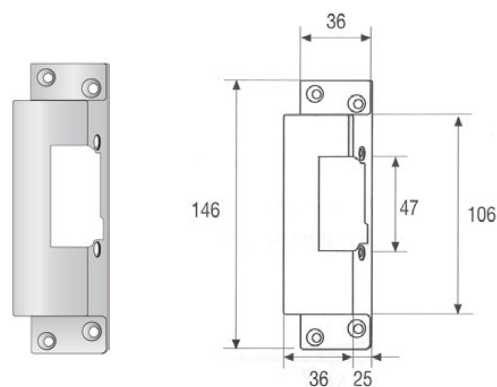


To combine with Armoured strike (page 26)

1774 WI-TYPE GREY CASE LEFT DIN

1775 WD-TYPE GREY CASE RIGHT DIN

2. VISIBLE ATTACHMENT ON FRAME



To combine with Universal strike (page 21)

One piece models.

2979 2001-TYPE CHROME CASE

2987 2006-TYPE GREY CASE

POWER SUPPLIES



DIN4 format. To power the lock release in AC (Vac) 1,5A.

4800 POWER SUPPLY 12Vac/1,5A



DIN6 format. To power the lock release in DC (Vdc) 2A.

4813 POWER SUPPLY 12Vdc/2A



In the event of power failure, it is necessary to fit it to an adaptor. This connects to a standard lead acid battery.

2060 EMERGENCY BATTERY ADAPTOR
12 Vdc

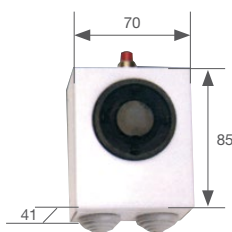
2070 BATTERY 12V/2,2A ACID LEAD
2337 BATTERY 12V/7A ACID LEAD
3264 ELECTRIC LOCK COMMANDER. VAC

DOOR RETAINERS

Door retaining magnets, designed for fire doors, are supplied with the backing plate kit both fixed and moving. They are inverted operation at 24 Vdc with a holding force of 50 Kg.



2897 FLOOR RETAINING
MAGNET
24 Vdc/50 Kg

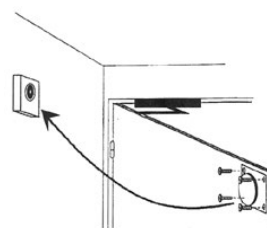


2899 WALL RETAINING
MAGNET 2 INPUT
24 Vdc/50 Kg

BACKING PLATE KIT



WALL RETAINER DIAGRAM



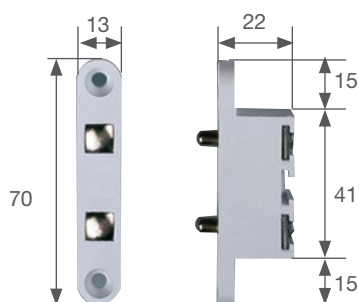


FERMAX ACCESSORIES

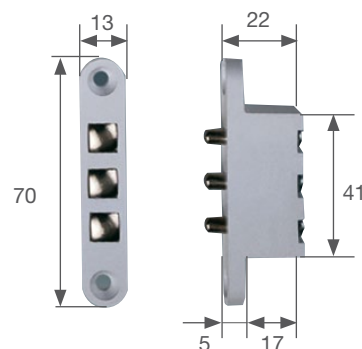
CONTACTS

The spring contacts are flush mounted in the frame and door respectively, leaving no visible wires, providing a reliable connection.

When the door is closed, the pistons that push against the other half keep up the electrical continuity desired. Approximate cut-off power: 1.5 Amp.



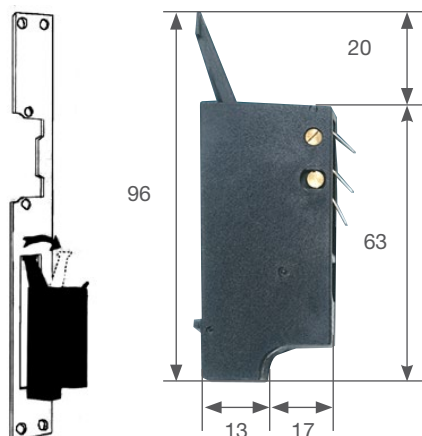
2913 DOOR CONTACT 2C
(DOUBLE)



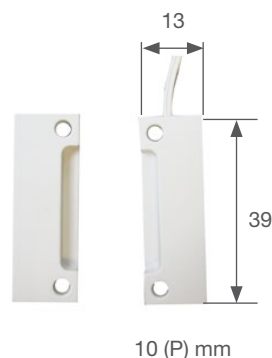
2922 DOOR CONTACT 3C
(TRIPLE)

The 4C contacts with microswitch are installed in a long shield lock release (with latch/deadbolt).

When locked with a key, the pin pushes the lever which then signals the microswitch. Recommended for installations where it is necessary to check if all the doors of a building are locked or to activate any electrical device (service fan, etc..)



3082 DOOR CONTACT 4C
(MONITORED DEADBOLT)



1076 MAGNETIC CONTACT

CABLE CONDUITS

Unlike spring contacts, they allow flow of current, even with the door open.



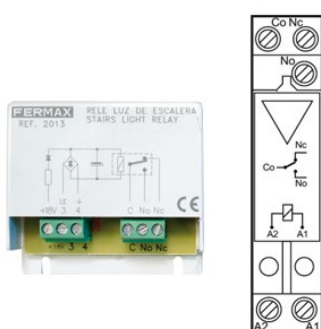
High quality flexible cable conduit (stainless steel) for surface mounting with external caps. Indicated when embedding contacts in the frame or door is not feasible.

Vandal proof cable conduit with special structure allowing its flush mounting both in the door frame and panel. Can be fitted in metallic, wooden or PVC doors. Dimensions: X2: 260 (V)mm. X2B: 510 (V)mm.

3083 FLEXIBLE CONDUIT X1

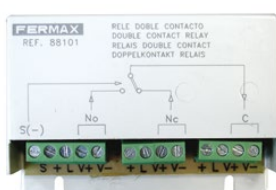
3084 RIGID VANDAL PROOF CONDUIT X2
1776 RIGID VANDAL PROOF CONDUIT X2B

RELAYS



Allows to invert lock release activation in combined installations with a Fermanx lock release.

2013 RELAY 12Vac/12Vdc 2A
3491 RELAY DIN 12Vdc (220Vac/12A)



Recommended for additional functions. With 2 dry relay contacts, either normally open (NO) or normally closed (NC).

88101 RELAY 18Vdc DOUBLE CONTACT



Allows to time lock release activation for a programmable period from 0 to 6 minutes or 0 to 60 seconds.

29001 TIMER





FERMAX

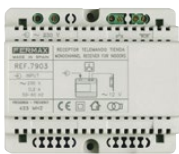
ACCESS
CONTROL



RADIOFREQUENCY

433 MHz

STORE SYSTEM



Trinary dip-switch configuration. Exit button input. Output 12Vac for electric lock activation. Power supply 230Vac. DIN6 casing. For electrical cabinets.
Dimensions: 105x90x60.

7903 RF RECEIVER
SHOPS/STORES



For installation inside audio or video door entry systems.

7900 COMPATIBLE SINGLE-
CHANNEL RECEIVER



Trinary dip-switch configuration. A single code for all emitters.

79561 DUAL CHANNEL EMITTER
433 MHz TRINARY

SECURITY SYSTEM



Maximum 10 users. Exit button input. Output relay (2A,NC/NA). Programmable timing. Monostable/bistable operation.

Power supply 12v AC/DC. Small dimensions, for concealing in electrical closets.
Dimensions: 90x60x20.

7960 SECURITY RECEIVER

COLLECTIVE GARAGE SYSTEM



Trinary dip-switch configuration. Admits extension card for a 2nd channel for auxiliary activation (e.g. lift/elevator). Relay output (2A,NC/NA). Power supply 230Vac. ABS IP65 casing.
Dimensions: 91x198x57.

7952 SINGLE-CHANNEL RECEIVER 433MHz



Digital transmitters have one unique code per user. Indicated for access to the garage/car park and remote control of devices: lights, shutters, sirens...

24651 RF DIGITAL EMITTER



Trinary dip-switch configuration. A single code for all emitters.

79561 DUAL CHANNEL EMITTER 433MHz TRINARY

Dimensions: (width) x (height) X (depth) mm.

CITYLINE MEMOKEY



TECHNICAL FEATURES

- Maximum capacity: 100 codes.
- Power supply 12Vac/12Vdc. Power supply 12Vac/1,5A (ref.4800) recommended.
- Input for indoor exit pushbutton.
- Input for free access pushbutton.
- 2 relay outputs (2A,NC/No), for lock release activation and alarm connection. Programmable timing.
- Each code can activate one or two relays simultaneously.
- Code accepted/rejected acoustic confirmation.
- Programming from keypad with master code.

REFERENCES

6991 MEMOKEY CITYLINE

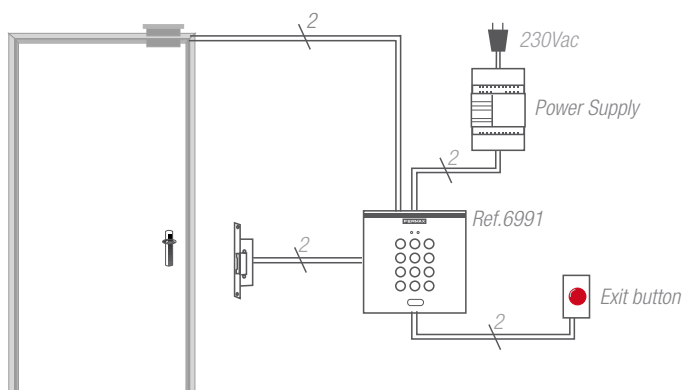
Outdoor/Indoor. Integrated in aluminium panel. Backlit keypad manufactured in zamak with signal LEDs.

Flush box included (ref.8948). Surface box optional (ref.7061).

SPECIFICATIONS

Dimensions:	
Reader	130x128
Flush box	115x114x45
Surface box	130x128x33
Environmental protection (IP):	54
Shock resistance (IK):	07
Power supply (V):	12 Vac/dc
Consumption (mA) w/lock.:	40/110
Operating temperature:	-15° to 55° C

INSTALLATION





PROXIMITY CITYLINE



TECHNICAL FEATURES

- Up to 400 users.
- Power supply 12 Vac/Vdc. Power supply 12Vac/1,5A (ref.4800) recommended.
- Exit button input.
- Door sensor input. Forced/open door detection.
- Lock release triggered by relay. Programmable timing.
- LED and buzzer confirm acceptance or rejection of the card presented.
- Programming help LEDs (authorizations, cancellations).
- User programming from reader using master card or by PC (optional).

SPECIFICATIONS

Dimensions:

Reader	130x128
Flush box	115x114x45
Surface box	130x128x33
Environmental protection (IP):	54
Shock resistance (IK):	07
Power supply (V):	12 Vac/dc
Consumption (mA) w/lock.:	90
Operating temperature:	-15° to 55°C

REFERENCES

6992 CITYLINE PROXIMITY READER

Outdoor/Indoor. Integrated in aluminium panel.

Flush box included (ref.8948). Surface box optional (ref.7061).

2306 PROGRAMMING KEYPAD

24661 READER-PC INTERFACE

For managing user authorizations/cancellations via PC (optional). The WINPROX software may be downloaded from www.fermax.com

Identifiers

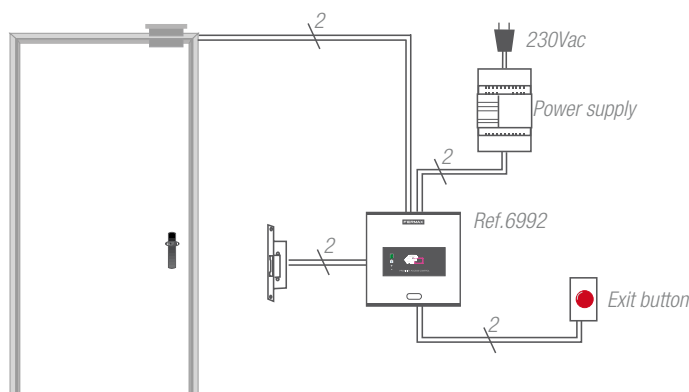


23361 PROXIMITY CARD WITHOUT MAGNETIC STRIP

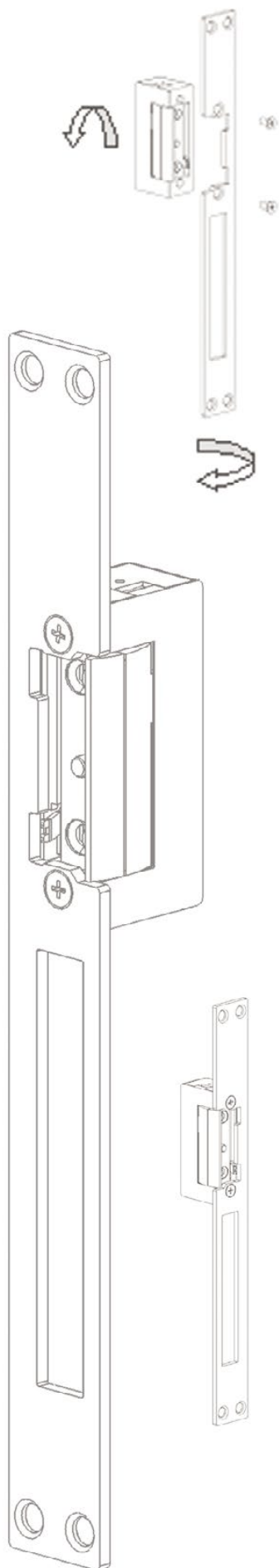
2336 PROXIMITY CARD WITH MAGNETIC STRIP

44501 PROXIMITY KEYRING

INSTALLATION



Dimensions: (width) x (height) X (depth) mm.



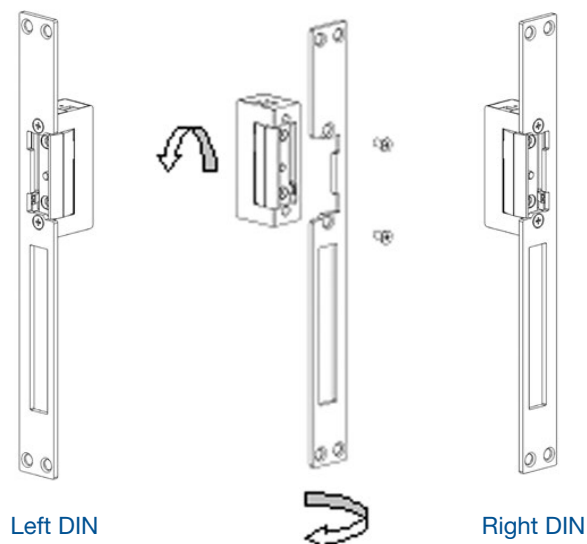
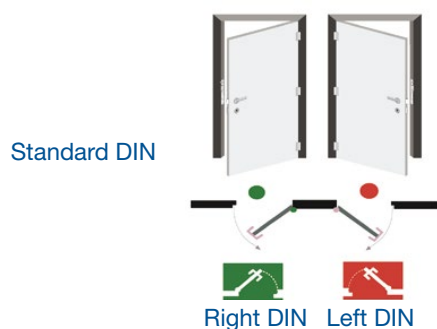
FERMAX

ASSEMBLY

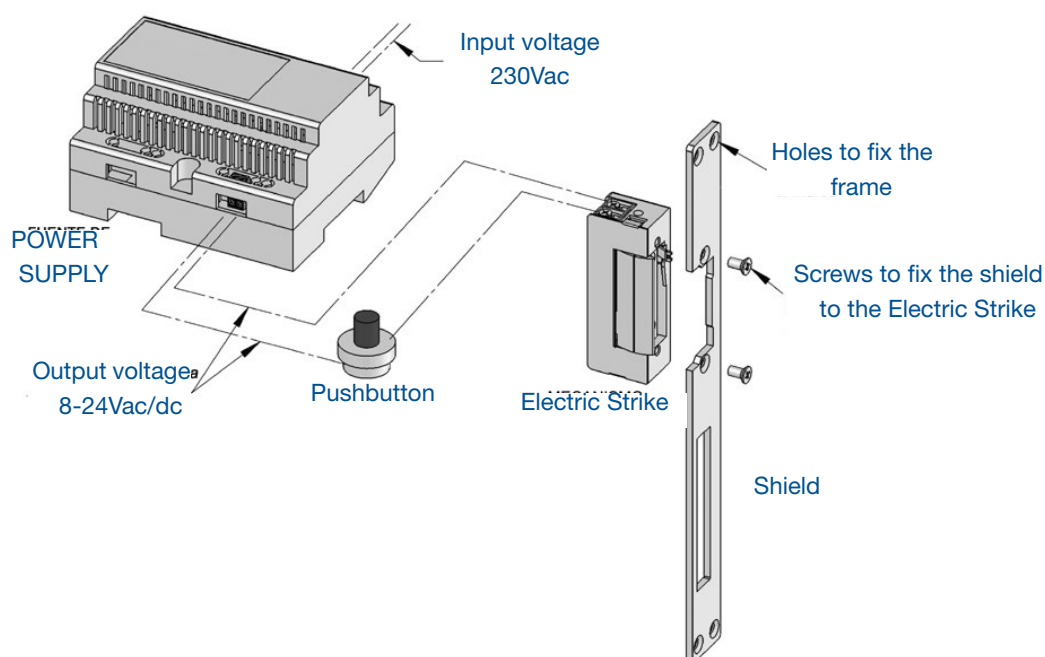
INSTRUCTIONS

Hand change: Left DIN - Right DIN

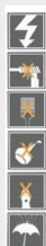
1. Remove the screws on the front, removing the shield from the strike.
2. Turn the shield 180° horizontally and the strike vertically.
3. Screw back on again to fit the shield to the strike.



ELECTRICAL INSTALLATION



ASSEMBLY TIPS

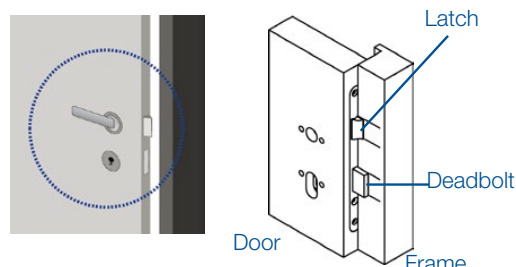


- Before making electrical connections, please check the lock release electrical specifications as well as the voltage and type of current supplied by the power supply.
- Remove any remaining traces of material from the framework where the lock release will be introduced.
- Do not apply any kind of paint or coating to the lock release or its shield.
- Do not grease the strike.
- Do not remove the strike cover.
- Keep the lock release free from moisture.

Lock assembly

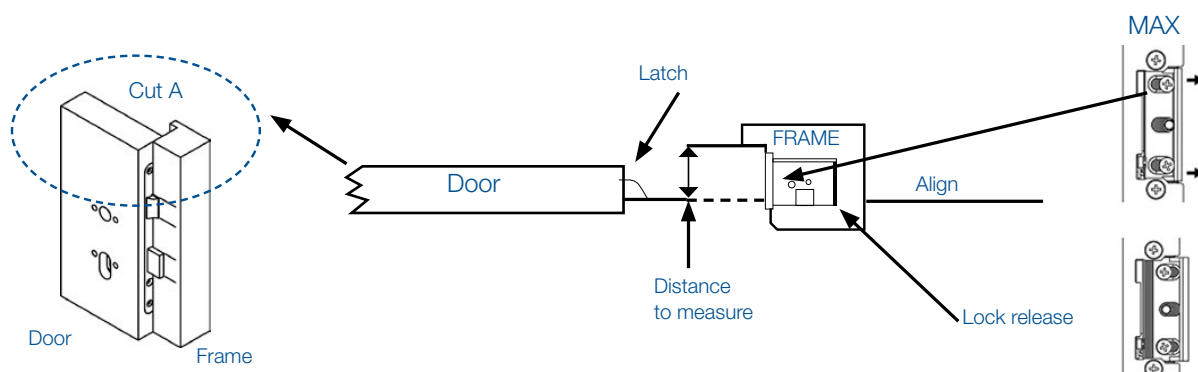
1

Close the door and mark the latch position (and the deadbolt if there is one) on the frame to define the vertical position.



2

Align the flat surfaces of the latch and the lock release deadbolt so that they are parallel and with a minimum clearance, so that the latch does not exert pressure on the lock release bolt. Measure the distance indicated with which you can define the horizontal position.



NOTE: With automatic Electric strikes A, the latch must press on the bolt strike (approx. 3mm) for it to work automatically.

The MAX version adjustable latch allows an exact fit between latch and bolt up to 4mm.

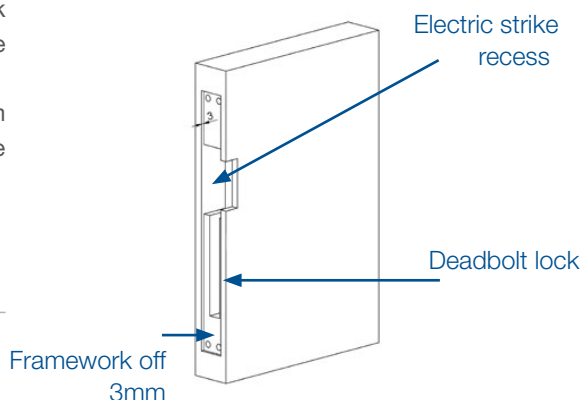
3

When the vertical and horizontal position of the lock release has been defined, make a hole in the door frame to fit the strike and lock.

The box housing and lock strikes must have a minimum depth of 31mm (or higher for series 620, 460, 470 or if the lock bolt requires more depth).

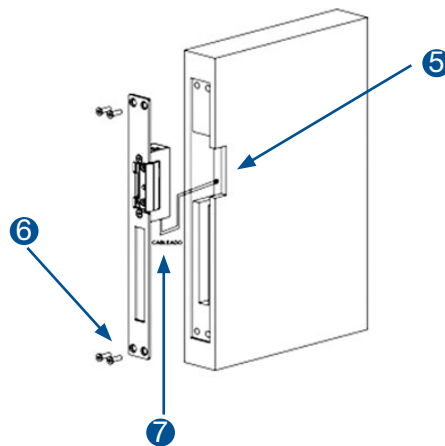
4

Make a 3mm framework to fit the shield, to keep it in the same plane.



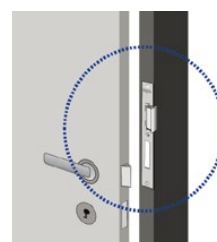
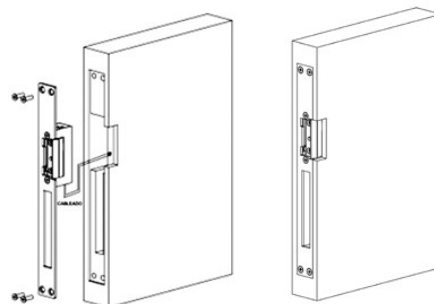
LOCK ASSEMBLY

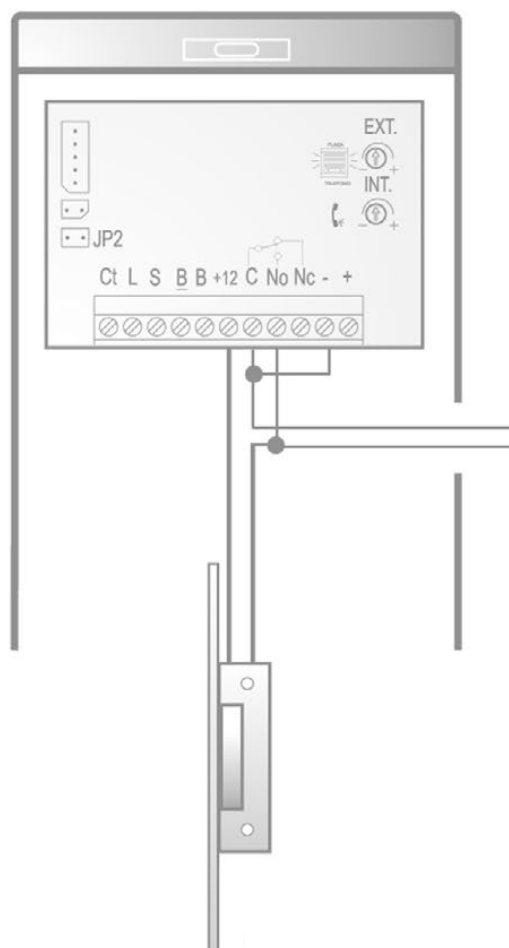
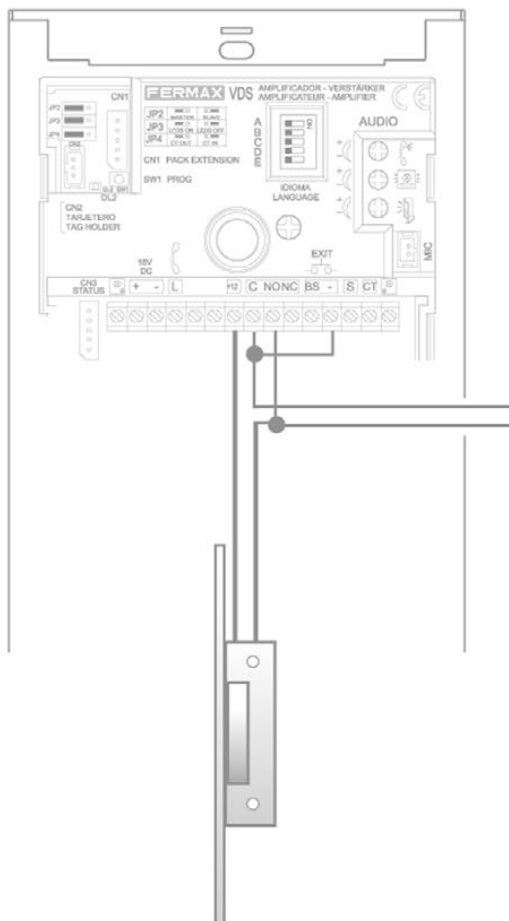
- 5 Additionally, a fitting is needed on the side for movement of the 5 lock release latch/bolt. In the 410 Series this is no longer required, as it has a radial latch.
- 6 Mark the holes for the anchor screws. Must be drilled to fit the holes in the shield.
- 7 The wiring hole must be made inside, near the lock release casing.



- 8 Connect the wires. Fit the lock release in the recess and tighten the holding screws.

The shield surface and frame must be on the same plane so that the door can close properly.



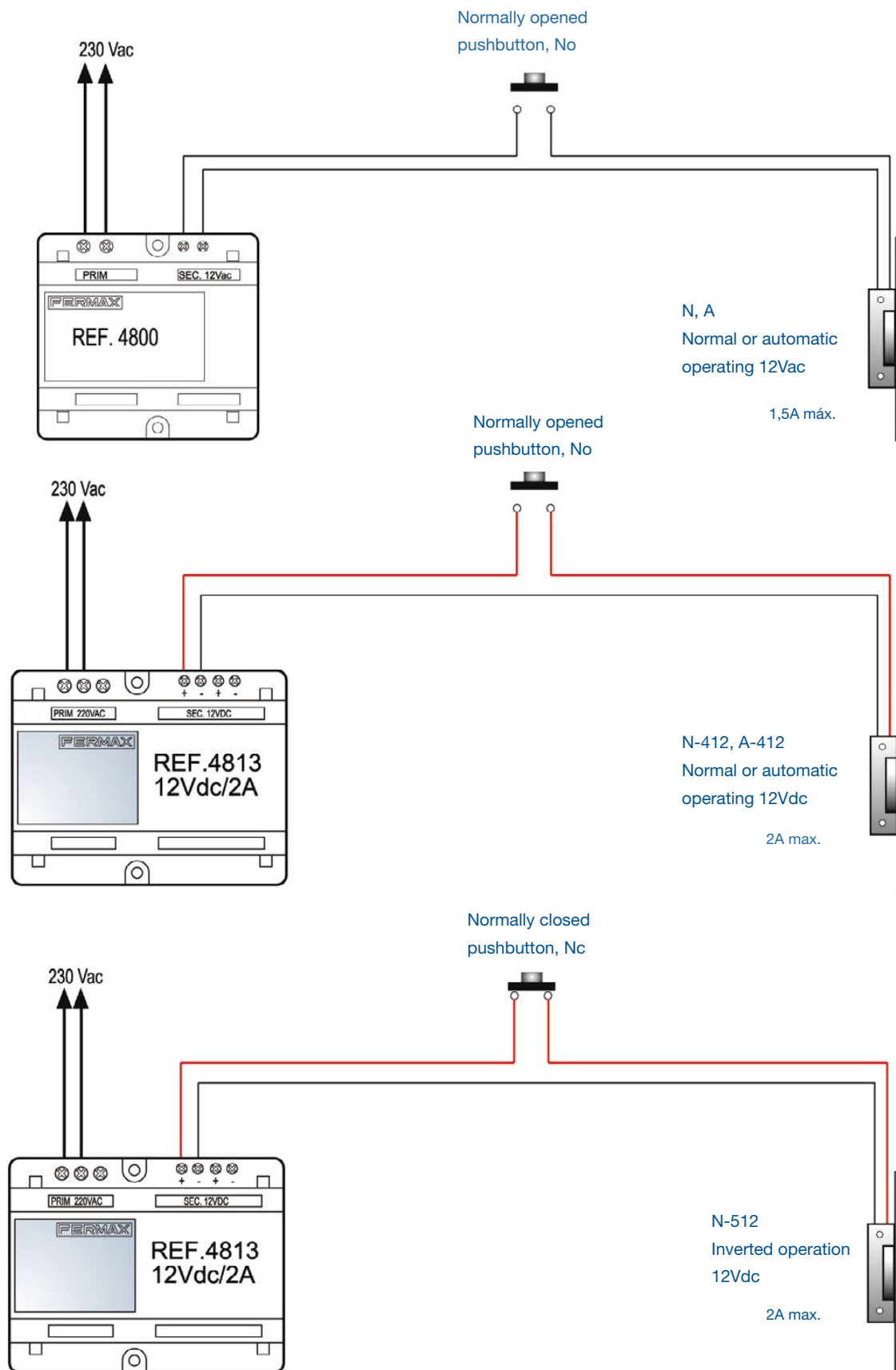


FERMAX

DIAGRAMS

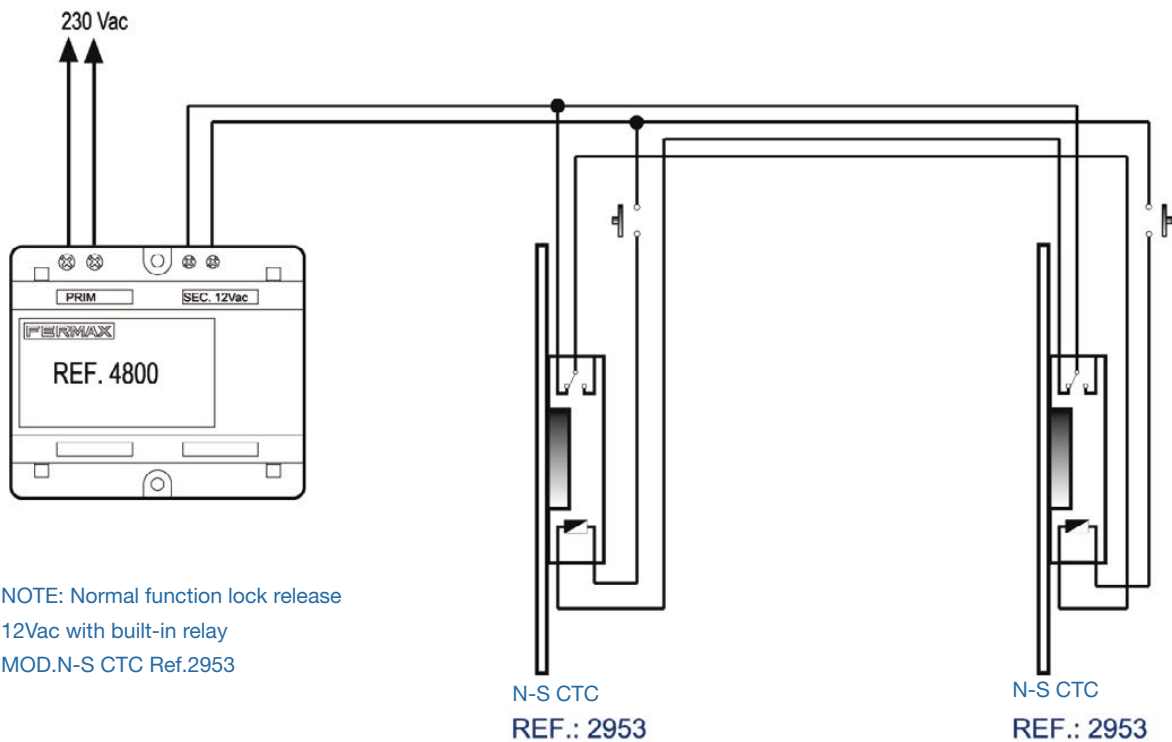
INSTALLATION

DOOR OPENING BY LOCK RELEASE OPERATION



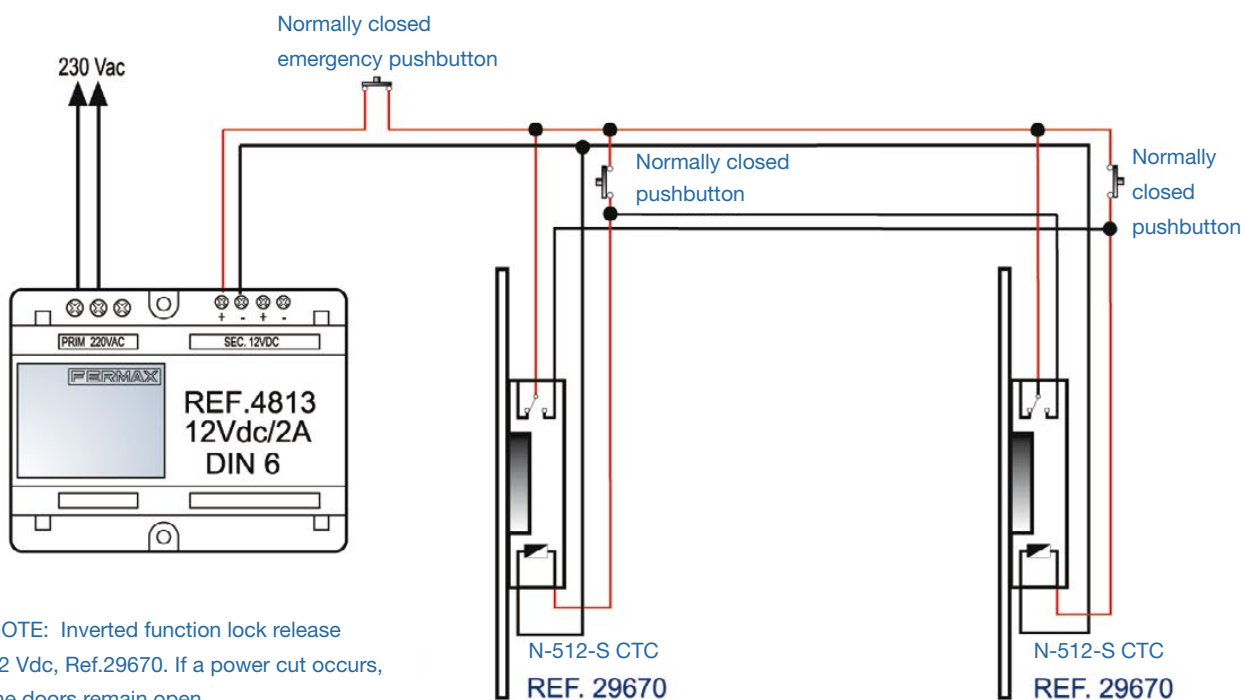
DOOR OPENING WITH AUTOMATIC BLOCKING OF ANOTHER DOOR.

NORMAL OPERATION 12Vac



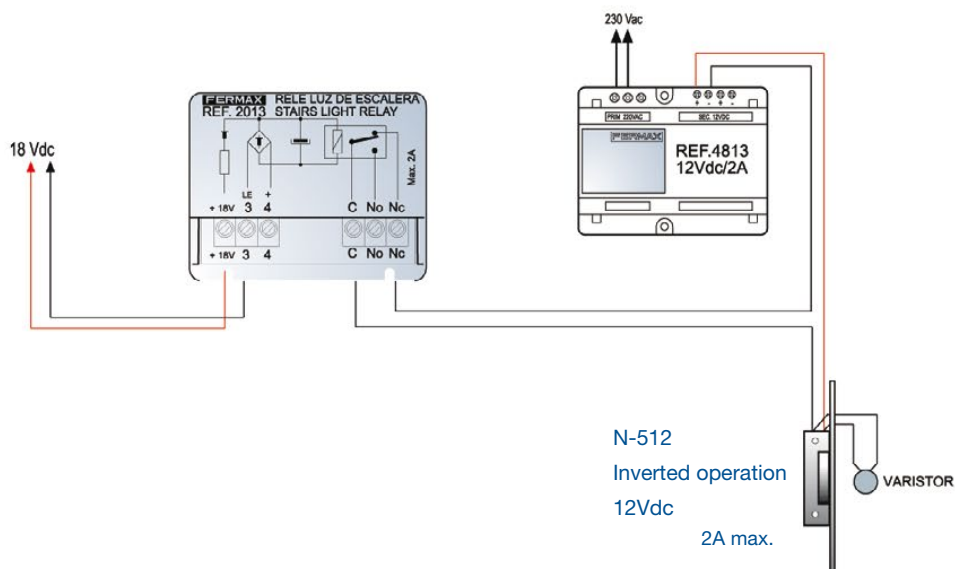
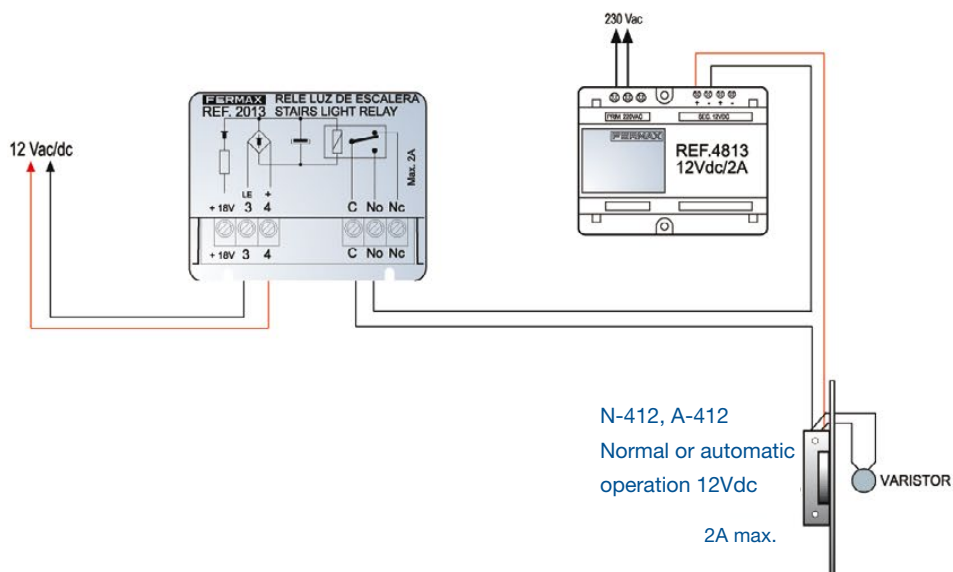
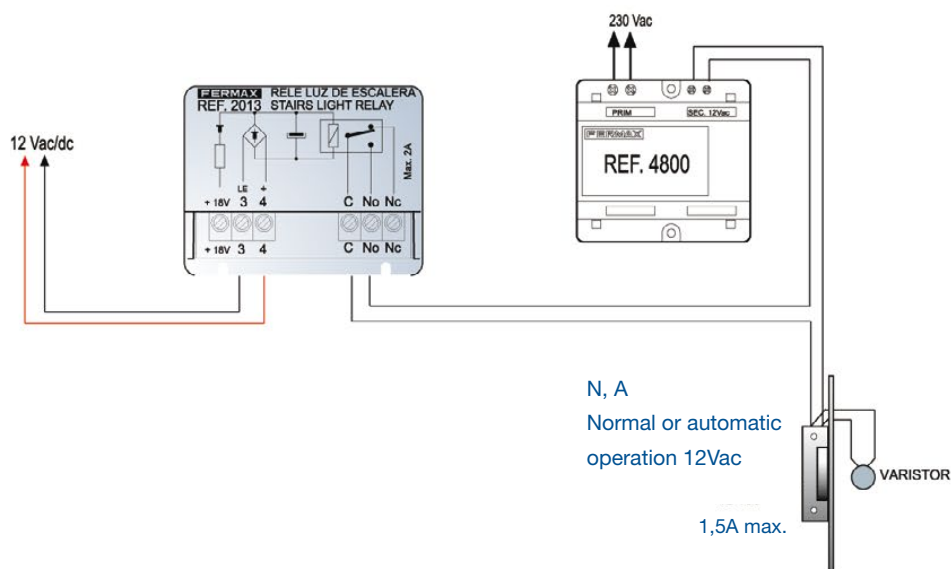
NOTE: Normal function lock release
12Vac with built-in relay
MOD.N-S CTC Ref.2953

INVERTED OPERATION 12Vdc



NOTE: Inverted function lock release
12 Vdc, Ref.29670. If a power cut occurs,
the doors remain open.

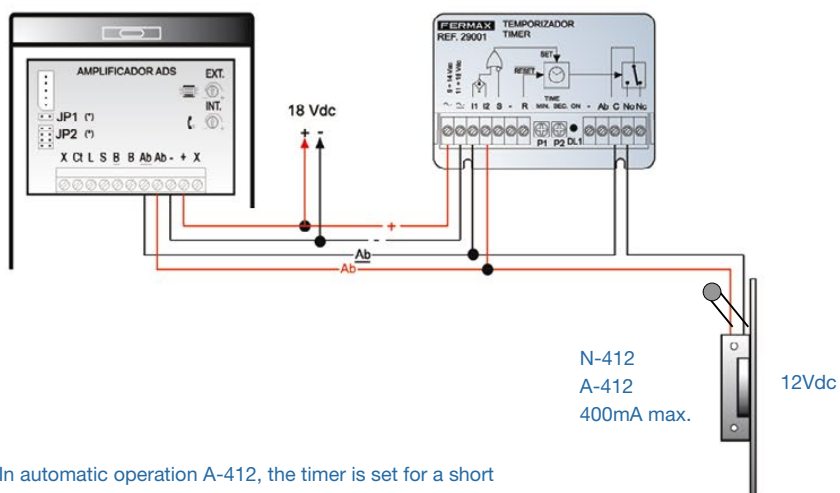
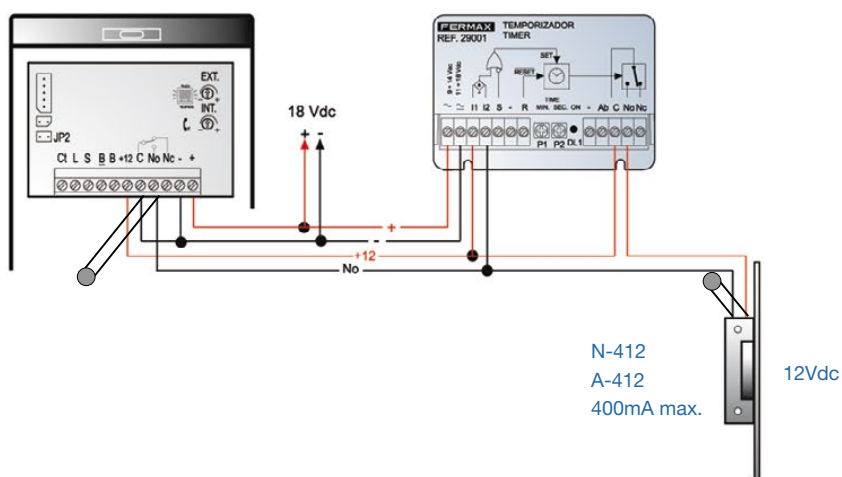
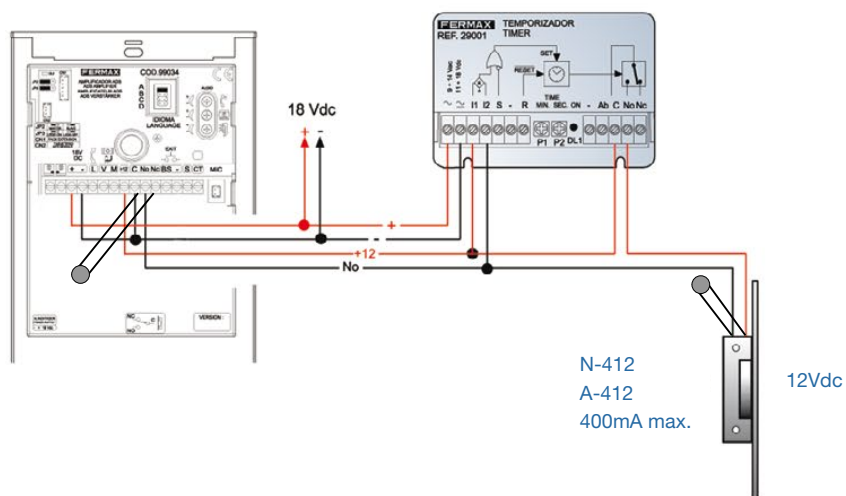
INSTALLATION WITH RELAY REF. 2013 ACCORDING TO LOCK RELEASE OPERATING TYPE



INSTALLATION DIAGRAMS

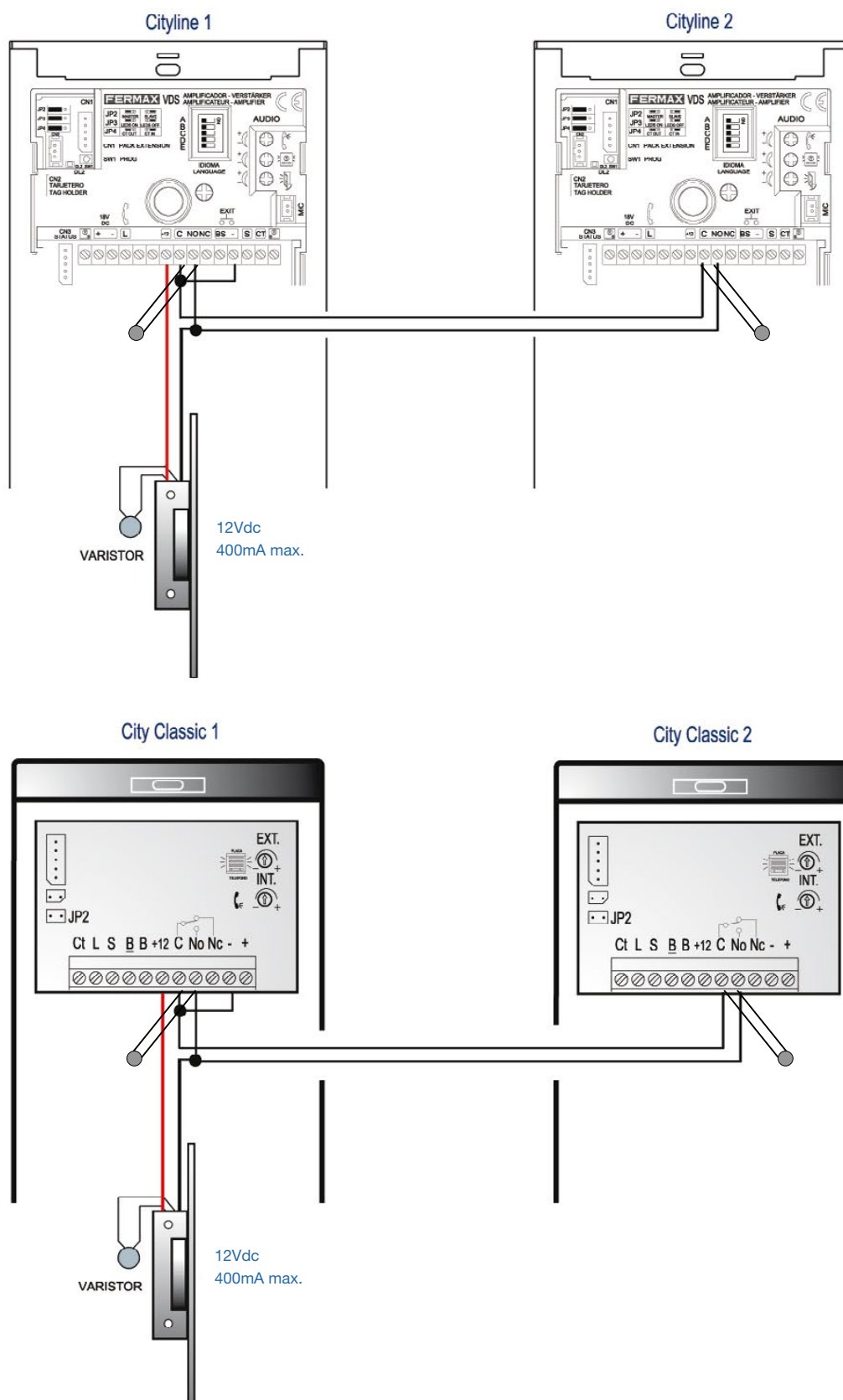
FERMAX

VDS DOOR OPENING WITH TIMER

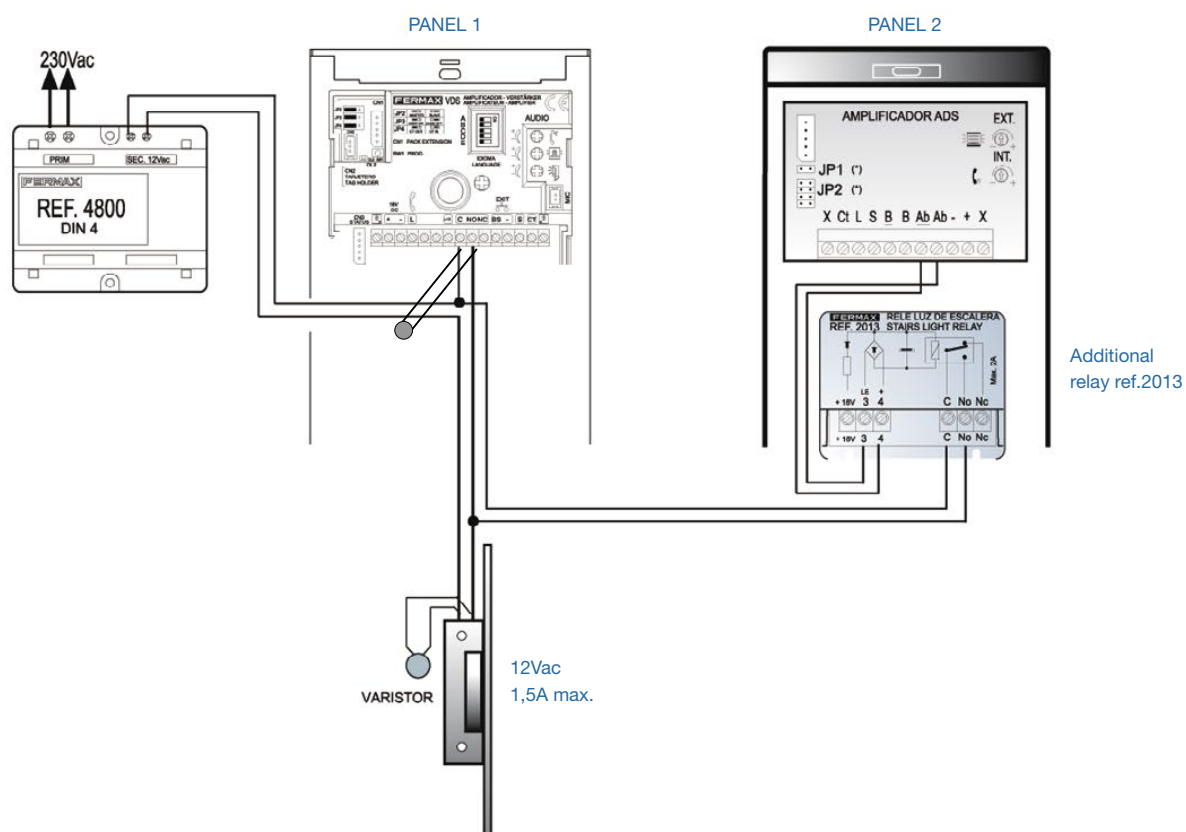
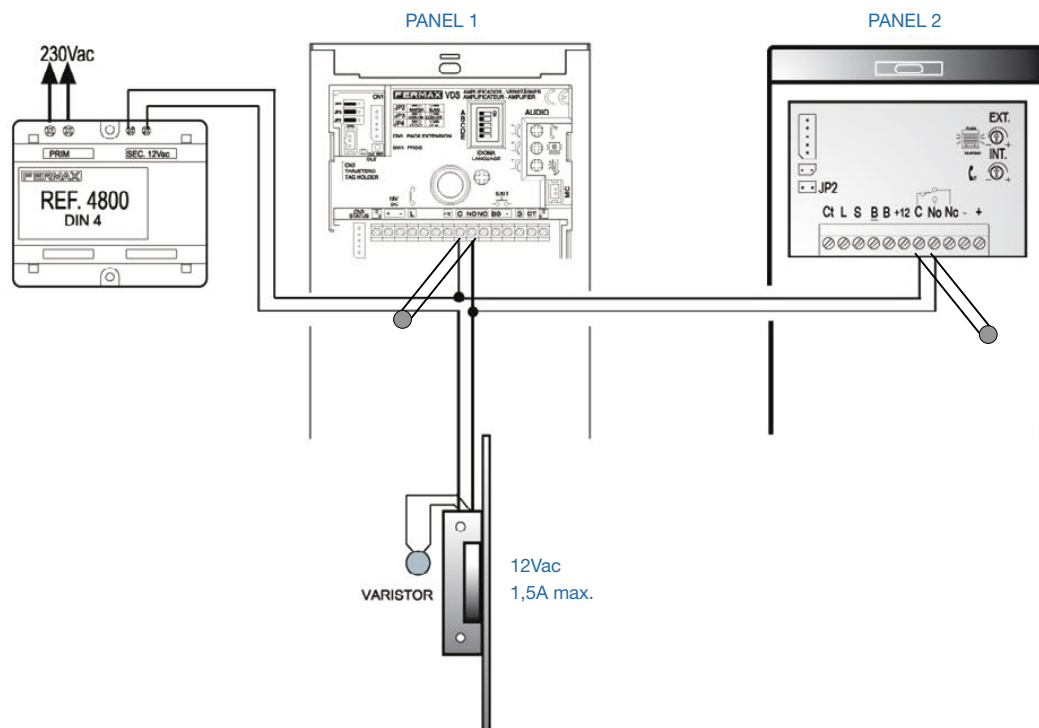


* In automatic operation A-412, the timer is set for a short opening time.

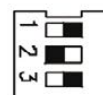
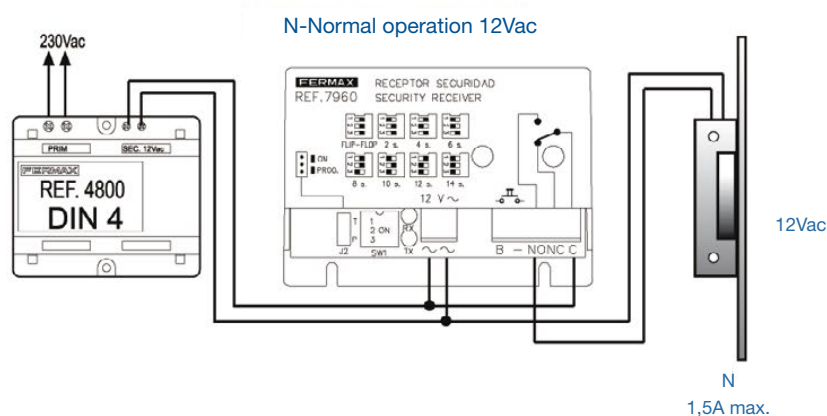
OPENING THE SAME DOOR (12Vdc)



OPENING THE SAME DOOR (12Vac)

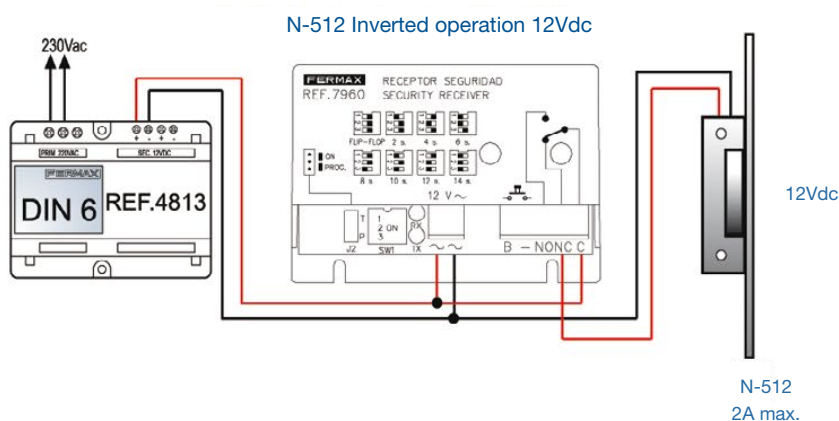


REMOTE CONTROL OPENING. RECEIVER REF. 7960



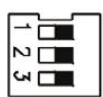
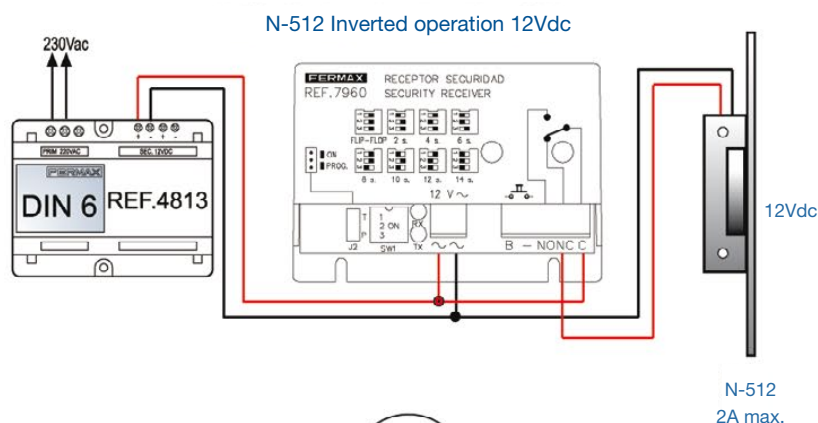
4 s.

Monostable receiver configuration.
Each pressing of the emitter will
open the door during 4s.



4 s.

Monostable receiver configuration.
Each pressing of the emitter will
open the door during 4s.



FLIP-FLOP

Flip-flop receiver configuration.
Each pressing of the emitter will
open or close the door.

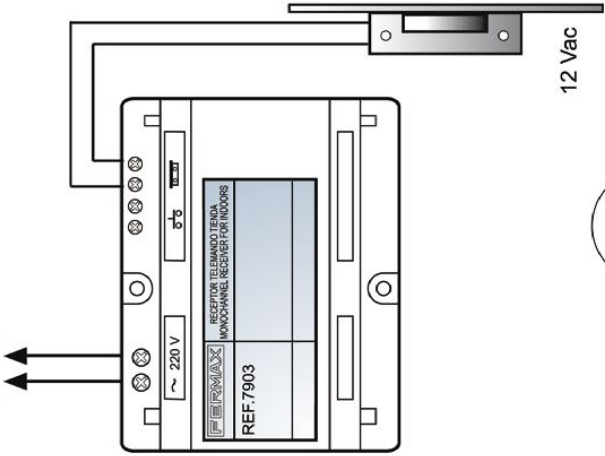


Remote control Ref. 24651 emitter.

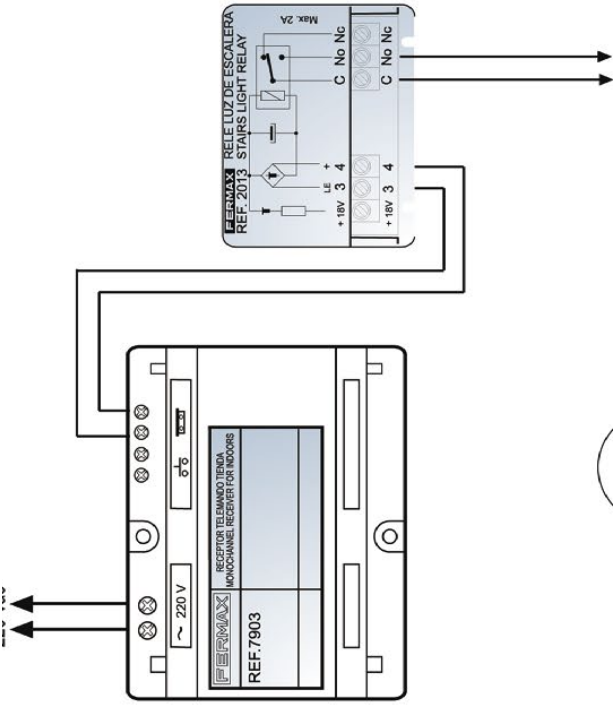
NOTE: Normal operation door release 12Vac, Ref. 3071.
Inverted operation door release 12Vdc, Ref. 2967.
This receiver requires remote controls Ref. 24651.

REMOTE CONTROL OPENING. RECEIVER REF. 7903

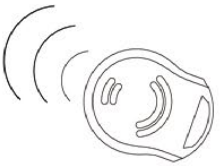
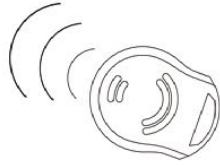
Opening of a normal operation
door release 12Vac



Activation of an auxiliary relay
to activate garage door

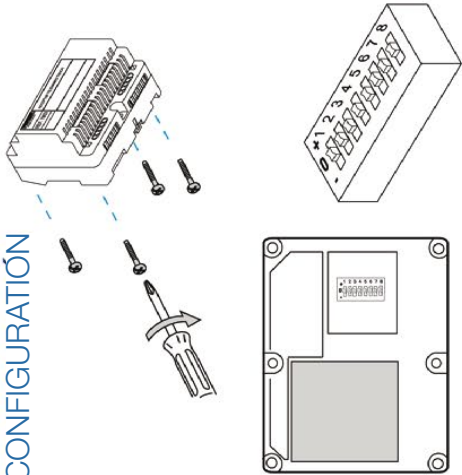


Connect to the dry contact
input of the motor/gate.

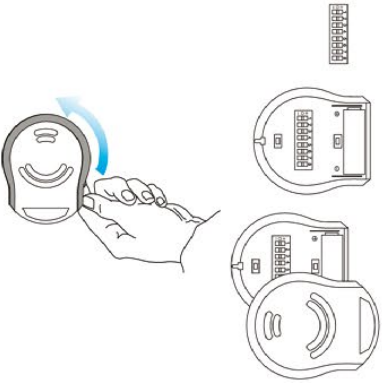


NOTE: When the emitter 79561 is activated the receiver 7903 will supply a voltage of 12Vac during a few seconds

CONFIGURACIÓN

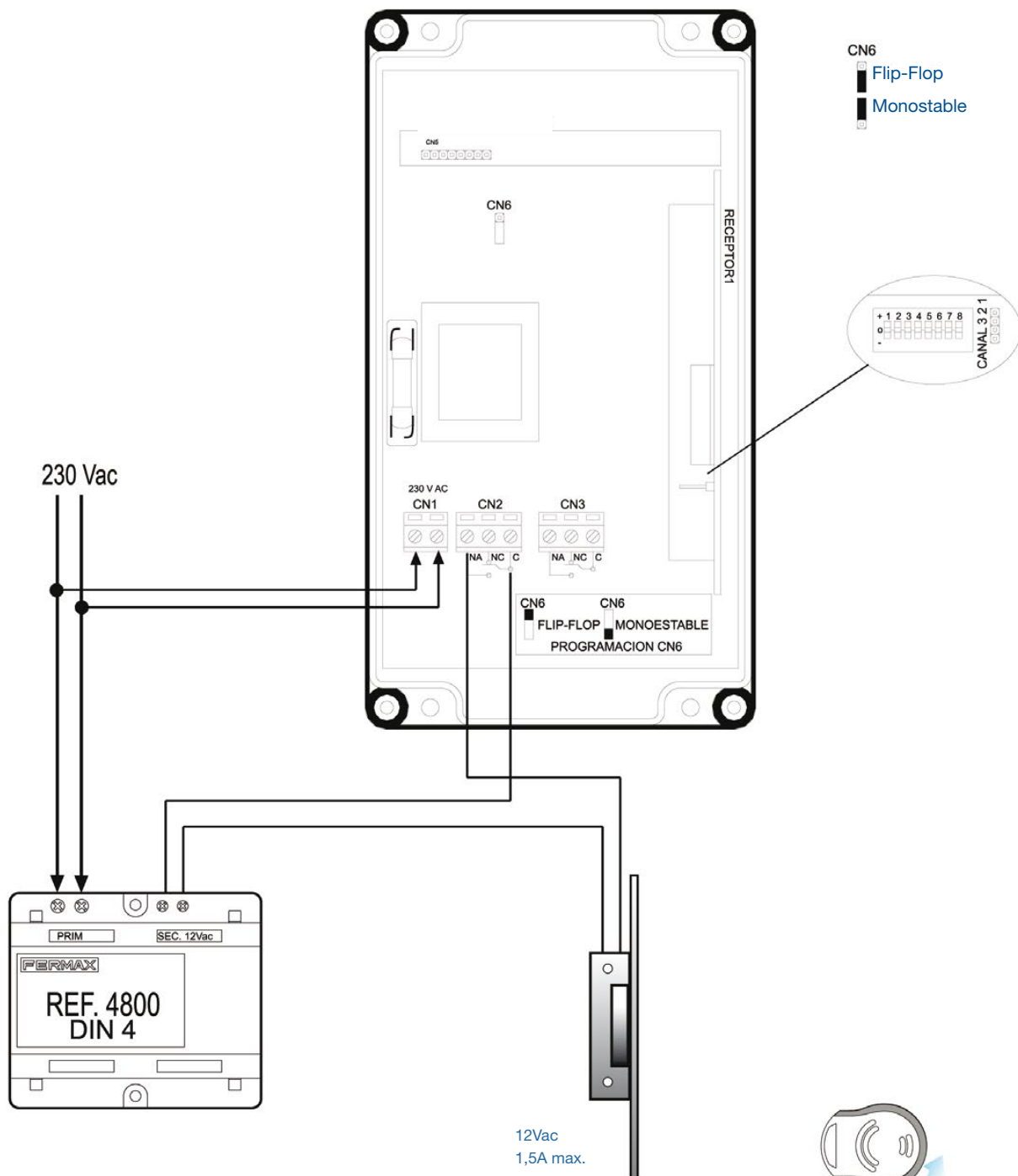


NOTE: Access the inside of the ref. 7903 to configure the microswitches the same way as the emitter.



Requires emitter ref. 79561

REMOTE CONTROL OPENING. RECEIVER REF. 7952

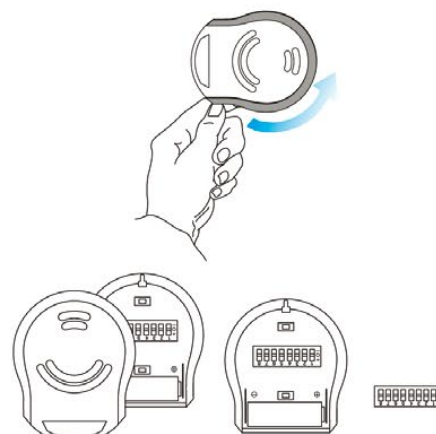


NOTE:

Monostable: By activating the remote control, the relay is activated during a few seconds turning back to stand-by position after a few seconds.

Flip-Flop: With each pressing of the remote control the relay is activated or deactivated. Allows the connection of the second channel card ref.7934.

This receiver requires remote control ref.79561 Dual channel emitter.



FERMAX

REFERENCES

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1763	MECANISMO MOD.520 N CTC	270,00	28
1764	MECANISMO MOD.520 A	240,00	28
1765	MECANISMO MOD.520 N-412	250,00	28
1766	ABREPUERTAS MOD.FN CTC	255,00	28
1767	ABREPUERTAS MOD.P Aa	185,00	28
1768	ABREPUERTAS MOD.FN-524	180,00	43
1769	ABREPUERTAS MOD.FN-512 CTC	192,00	43
1770	ARMADURA CORTA TIPO-PX	190,00	43
1771	ARMAD. TIPO 1001 GRIS DIN IZQ	7,00	28, 50
1772	ARMAD. TIPO 1002 GRIS DIN DCHA.	12,00	51
1773	ARMADURA TIPO BUÑONES	12,00	51
1774	FUNDA-WI SUPERFICIE DIN IZQUIERDA	6,00	51
1775	FUNDA-WD SUPERFICIE DIN DERECHA	67,00	26, 52
1776	PASACABLE RÍGIDO ANTIVAN. X28	67,00	26, 52
1777	ELECTROPISTÓN MOD.100 N-512	85,00	55
1778	ELECTROPISTÓN MOD.600 N-512	360,00	20

2336	TARJETA CON BANDA MAGNÉTICA	34,00	53
2337	BATERÍA 12V/7A PLOMO ÁCIDO	160,00	60
2837	ANCLAJE U PUERTA CRISTAL PARA 3052	5,00	60
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2868	ARMADURA LARGA TIPO-MX	52,00	48
2869	MECANISMO MOD.850 A	10,00	27, 51
2878	CERRADURA MOD.961-DOBLE LLAV	10,00	28, 51
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2891	ARMADURA TIPO B22 GRIS	70,00	45
2892	ARMADURA TIPO L22 GRIS	75,00	45
2893	ARMADURA TIPO M GRIS	4,00	50
2894	ARMADURA TIPO P22 GRIS	6,00	51
2895	ARMADURA TIPO T GRIS	6,00	51
2897	RETENEDOR SUELO 24 Vdc/150V	4,00	50
2899		6,00	50

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3006	ABREPUERTAS MOD.6000A		
3007	CERRADURA MOD.931-DOBLE LL		
3027	ABREPUERTAS MOD.470N		
3030	ABREPUERTAS MOD.480N		
3031	ABREPUERTAS MOD.480A		
3034	ABREPUERTAS MOD.490N		
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3042	CERRADURA MOD.933-C/LLAV-PULS. SIN FUNCION		
3049	ARMADURA CORTA TIPO-SX ACERO INOX.		
3050	ELECTROMAGNÉTICO EMPOTRAR 300 Kg CTC		
3051	ELECTROMAGNÉTICO SUPERFICIE 500Kg		
3052	ELECTROMAGNÉTICO SUPERFICIE 300Kg		
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