

**ISEO ELECTROMECHANICAL  
LOCKS  
MODELS WITH CABLE GLAND**

## Part 1 – Easy version – on models:

- **MONOLITE MNT8000**
- **ELITE M80Vip**
- **SUPERIOR M18**

### **x1R** Easy

It is the first basic solution with a motorised electronic lock

- Motorised self-closure
- Manual lock programming
- Outward opening via transponder, keypad and cylinder key
- Powered by alkaline or rechargeable batteries or power supply unit

#### **LOCK SECURITY**

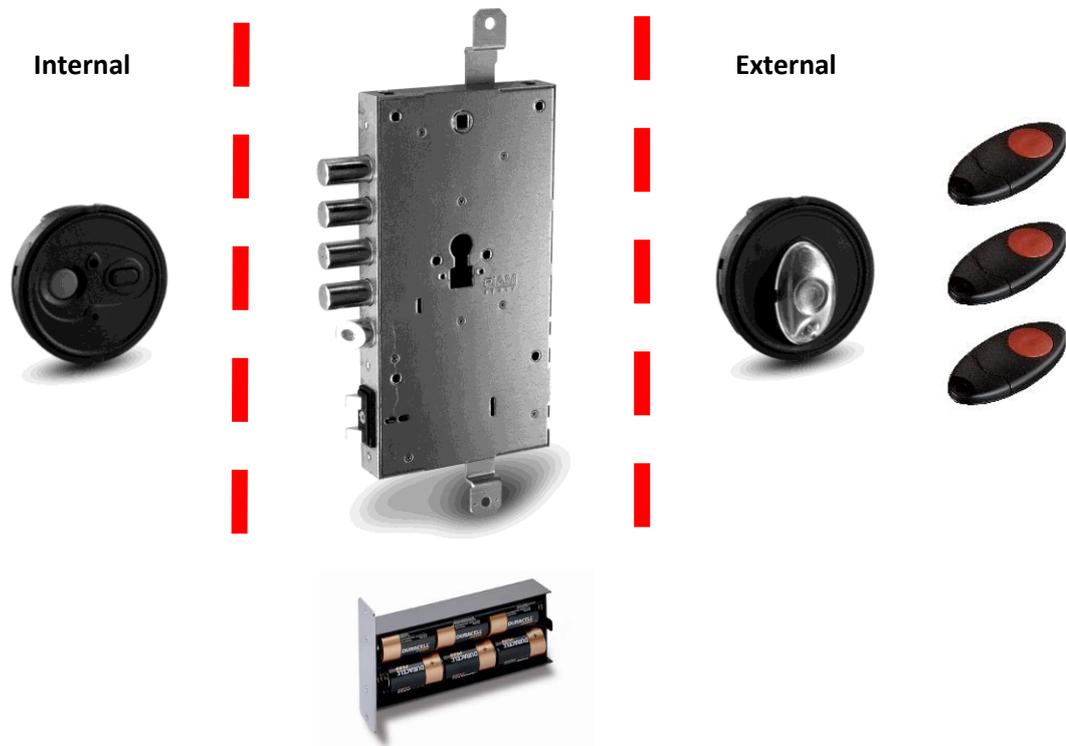
*Certified to the maximum levels of standard EN14846 (The standard specifies the requirements and methods for testing resistance, security, durability and functionality of electrical and electronic components for all types of mechanically operated locks and locking plates for use on doors, French doors, and entrance doors to buildings) with the following classification:*



*Also certified according to standard EN12209 (Building hardware - Mechanically operated locks and locking plates - Requirements and test methods) with classification:*

GRADE 7

## Standard equipment

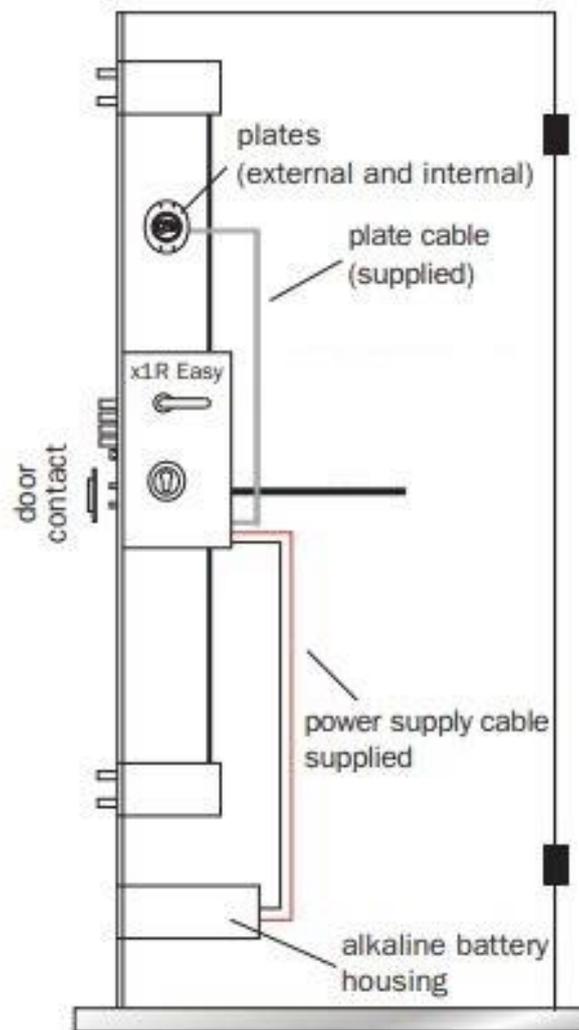


### Alkaline batteries

N.B.: duration 30,000 cycles  
(approx. two years in domestic use)

<p><b>MNT 8000:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external TAG reader and internal keypad as standard. 9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts. Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	€ 3,600.00
<p><b>M80 VIP:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external TAG reader and internal keypad as standard. 13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	€ 2,490.00
<p><b>M18:</b> Electromechanical lock (EASY Version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external TAG reader and internal keypad as standard. 11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	€ 2,250.00

## Standard equipment DOOR DIAGRAM



### NOTES:

- 128 credited credentials
- 5 operating modes (1 as standard)
- Torch "D" type alkaline batteries (6 pieces)

**N.B.:** position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 5)

## MOVED BATTERY PACK

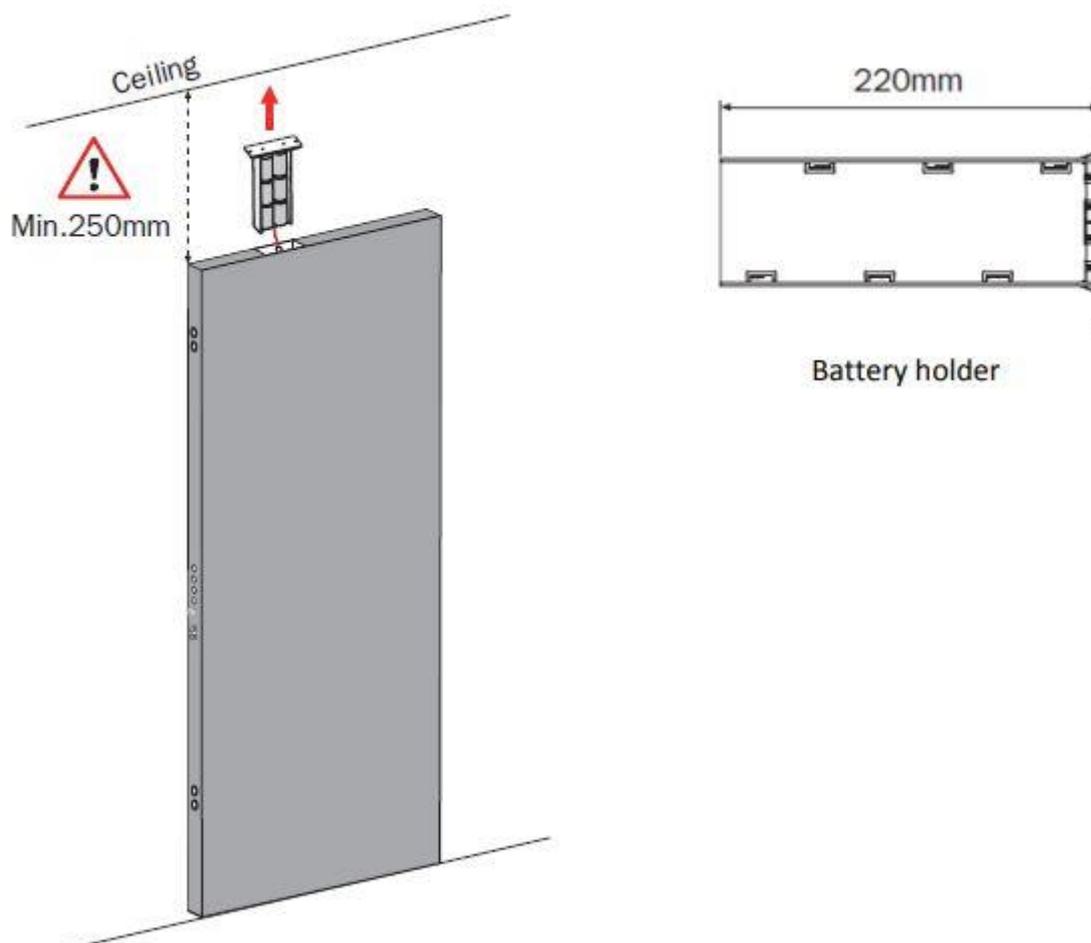
In the following conditions, the battery will be moved to the upper part;

- Sigillo Threshold (in models where planned)
- Air/water floor mullion
- Shortened leaf/ counterframe below floor surface

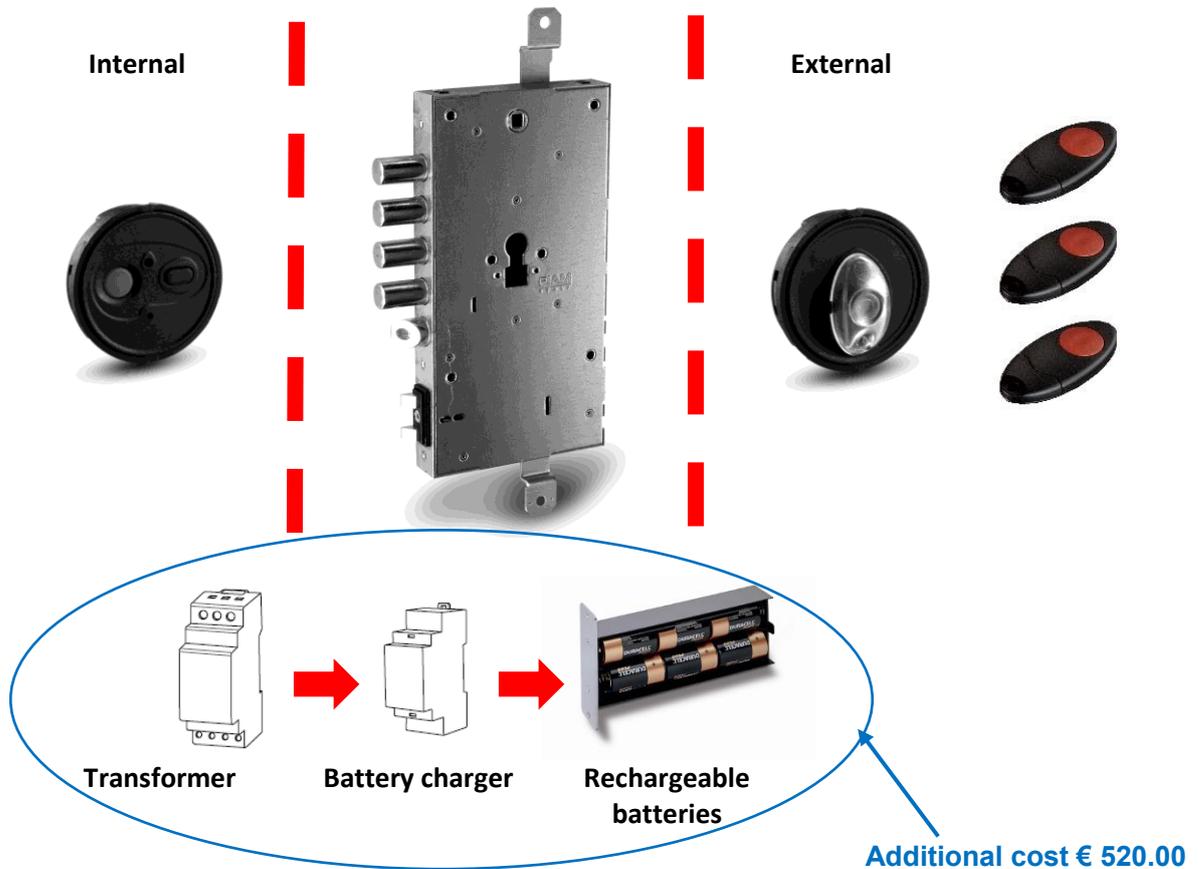
In the following conditions, added to the previous, in planned models, the battery pack can be moved on the hinge side:

- Wide glass inserts
- Arched doors (in models where planned)

Before proceeding to order, check there are no obstructions that limit battery pack removal operations at time of replacement and, if necessary, evaluate an alternative power source.

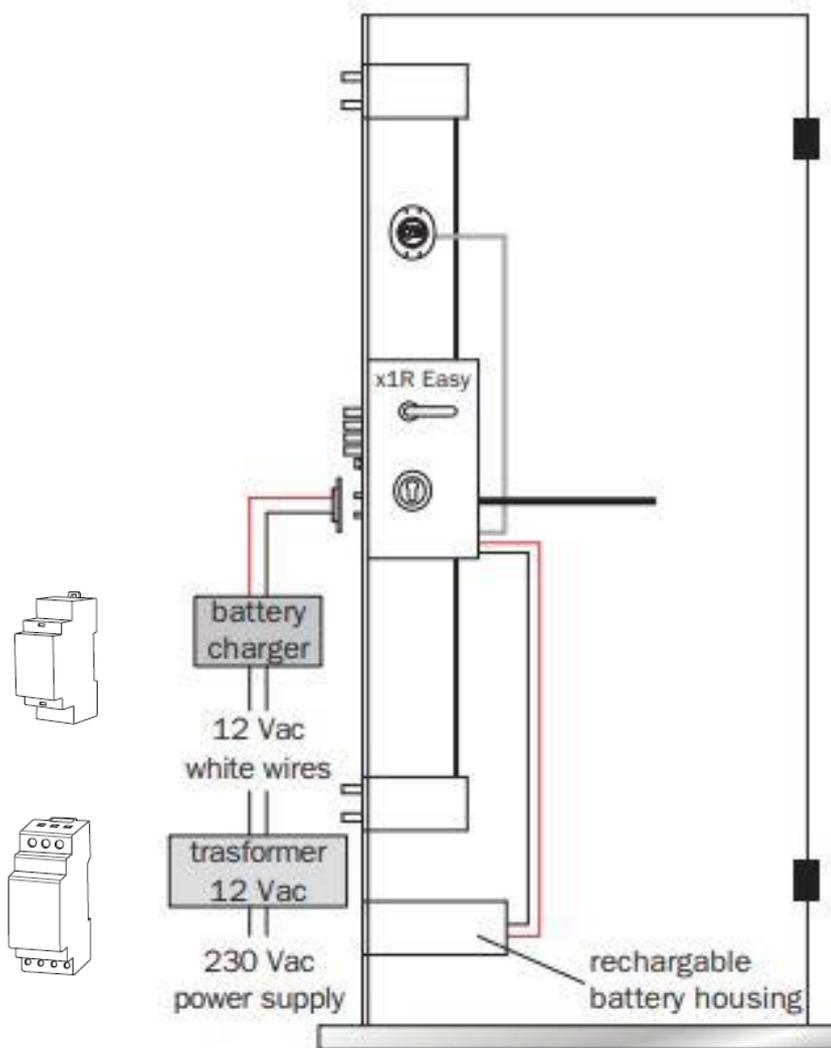


## Optional – Rechargeable batteries



<p><b>MNT 8000:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>RECHARGEABLE batteries (including: batteries + power supply unit + transformer) USING DOOR CONTACT</b>, external TAG reader and internal keypad as standard.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 +  <u>€ 520.00 =</u>  <b>€ 4,120.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>RECHARGEABLE batteries (including: batteries + power supply unit + transformer) USING DOOR CONTACT</b>, external TAG reader and internal keypad as standard.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 +  <u>€ 520.00 =</u>  <b>€ 3,010.00</b></p>
<p><b>M18:</b> Electromechanical lock (EASY Version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>RECHARGEABLE batteries (including: batteries + power supply unit + transformer) USING DOOR CONTACT</b>, external TAG reader and internal keypad as standard.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 +  <u>€ 520.00 =</u>  <b>€ 2,770.00</b></p>

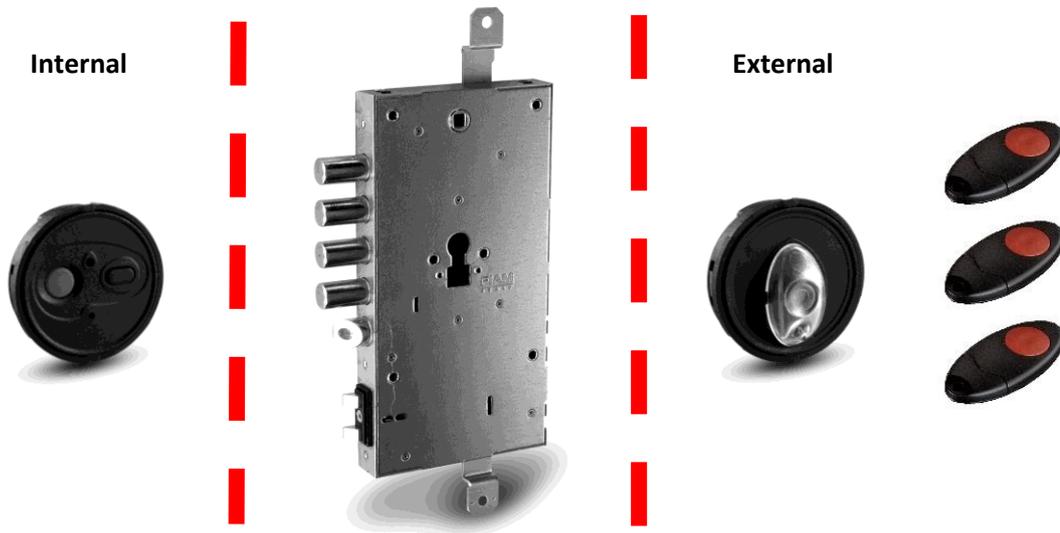
## Optional – Rechargeable batteries DOOR DIAGRAM



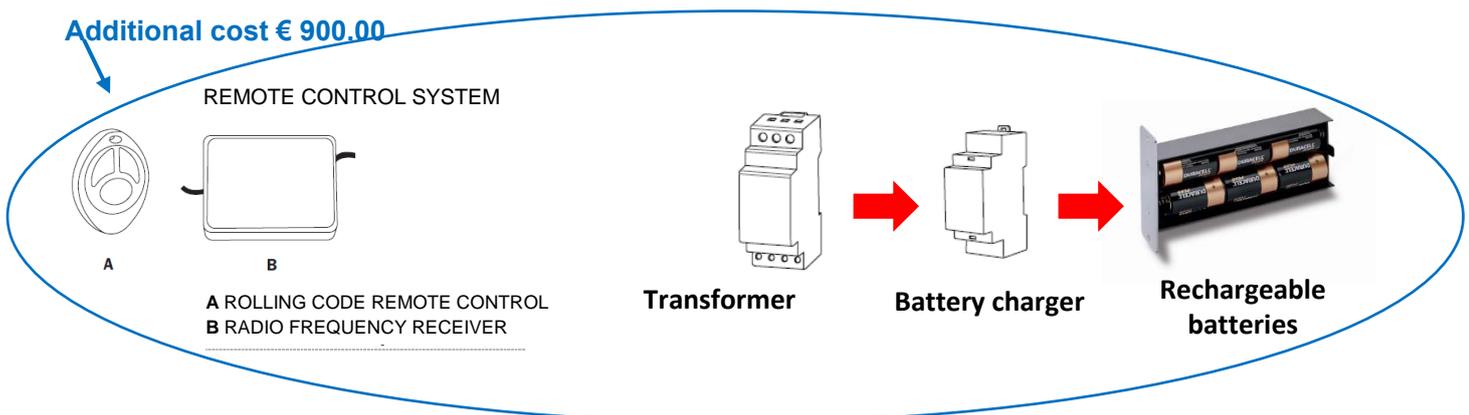
### NOTES:

- Rechargeable batteries 1.2V Ni-MH 5000 mAh "D" Torch (6 pcs)
- Only the Iseo battery charger can be connected to the door contact as a power source.
- The batteries must be replaced when they expire
- Preparation of shunt box on the lock side to host the battery charger (approximate volume 90x60x40 mm) and transformer (approximate volume 90x60x35mm)
- **N.B.: position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 5)**

## Optional – Rechargeable batteries and remote control

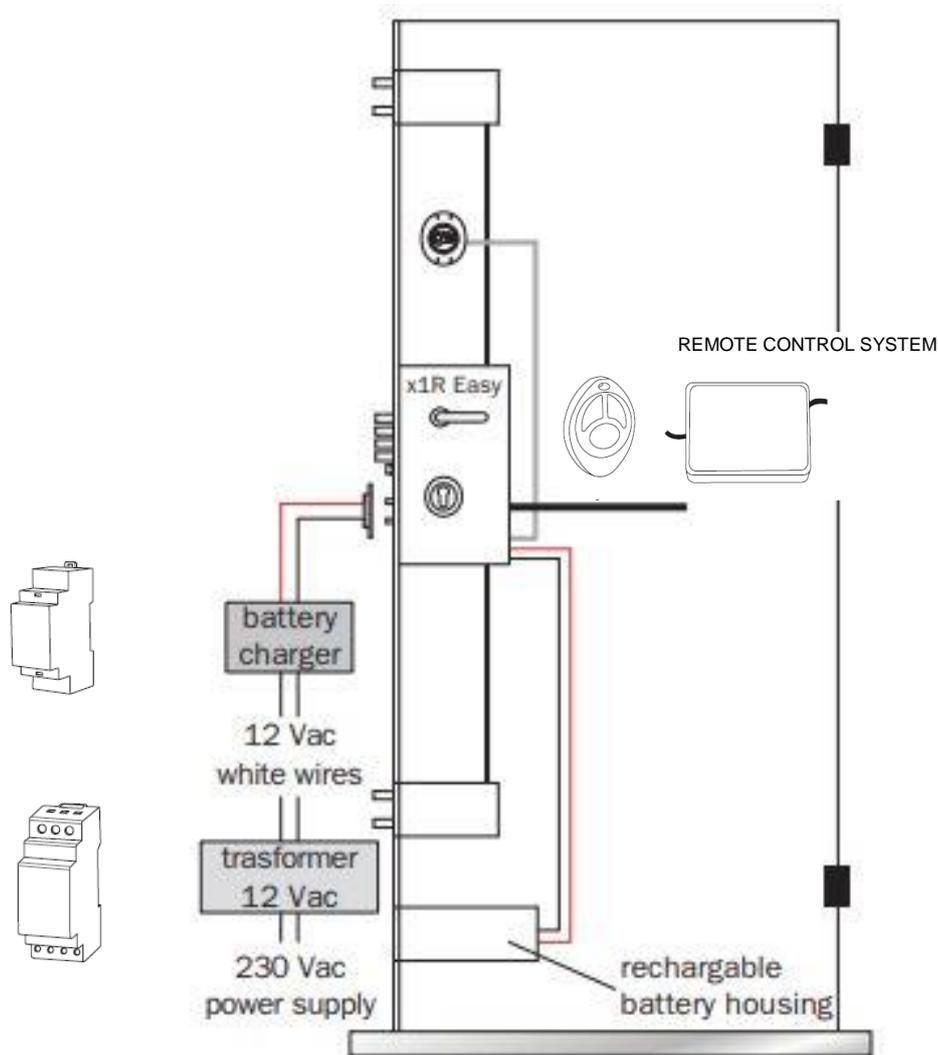


Additional cost € 900.00



<p><b>MNT 8000:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>REMOTE CONTROL</b> (including 1 remote control, receiver and RECHARGEBLE BATTERIES = batteries + power supply unit + transformer USING DOOR CONTACT), external TAG reader and internal keypad as standard.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	$€ 3,600.00 + € 900.00 = € 4,500.00$
<p><b>M80 VIP:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>REMOTE CONTROL</b> (including 1 remote control, receiver and RECHARGEBLE BATTERIES = batteries + power supply unit + transformer USING DOOR CONTACT), external TAG reader and internal keypad as standard.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	$€ 2,490.00 + € 900.00 = € 3,390.00$
<p><b>M18:</b> Electromechanical lock (EASY Version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>REMOTE CONTROL</b> (including 1 remote control, receiver and RECHARGEBLE BATTERIES = batteries + power supply unit + transformer USING DOOR CONTACT), external TAG reader and internal keypad as standard.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	$€ 2,250.00 + € 900.00 = € 3,150.00$

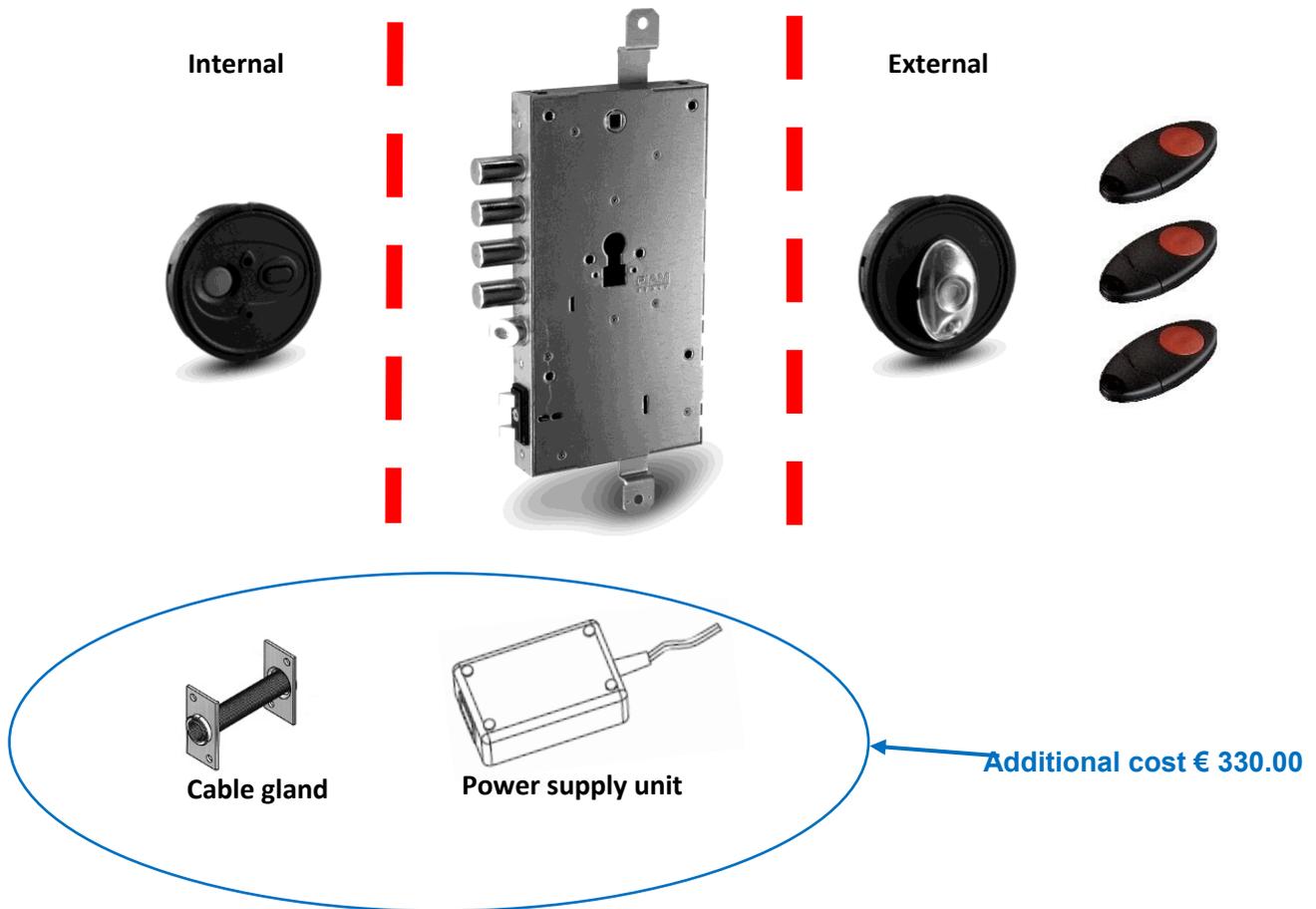
## Optional – Rechargeable batteries and remote control DOOR DIAGRAM



### NOTES:

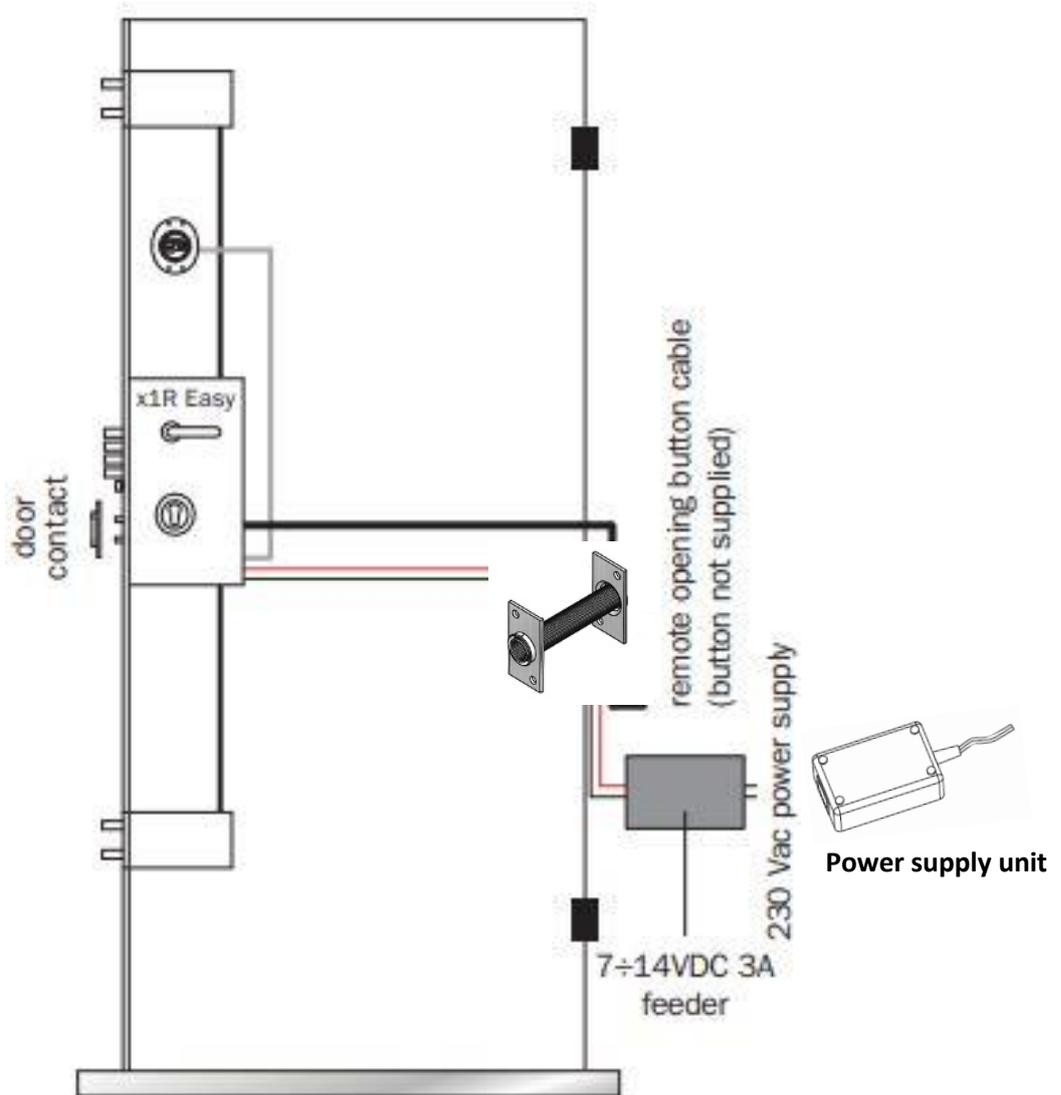
- Rechargeable batteries 1.2V Ni-MH 5000 mAh "D" Torch (6 pcs)
- Only the Iseo battery charger can be connected to the door contact as a power source.
- The batteries must be replaced when they expire
- Preparation of shunt box on the lock side to host the battery charger (approximate volume 90x60x40 mm) and transformer (approximate volume 90x60x35mm)
- **N.B.: position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 5)**

## Optional – Direct power supply



<p><b>MNT 8000:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY (without batteries, including the compulsory power supply unit and cable gland)</b>, external TAG reader and internal keypad as standard.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 +  <u>€ 330.00</u> =  <b>€ 3,930.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY (without batteries, including the compulsory power supply unit and cable gland)</b>, external TAG reader and internal keypad as standard.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 +  <u>€ 330.00</u> =  <b>€ 2,820.00</b></p>
<p><b>M18:</b> Electromechanical lock (EASY Version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY (without batteries, including the compulsory power supply unit and cable gland)</b>, external TAG reader and internal keypad as standard.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 +  <u>€ 330.00</u> =  <b>€ 2,580.00</b></p>

## Optional – Direct power supply DOOR DIAGRAM



### NOTES:

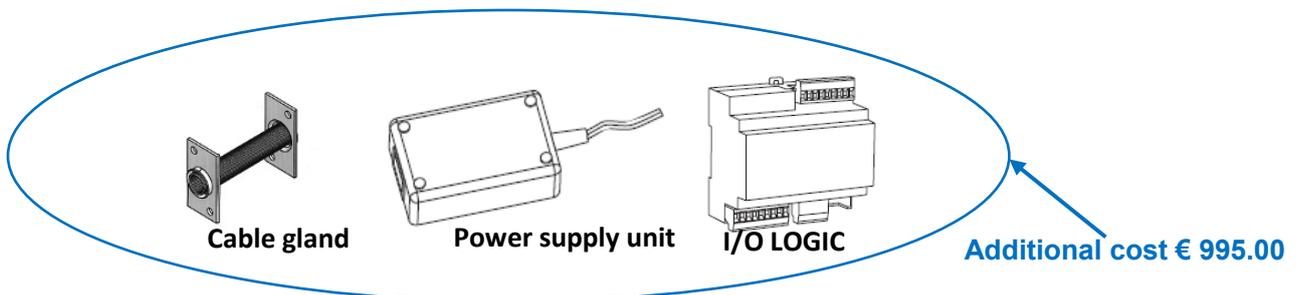
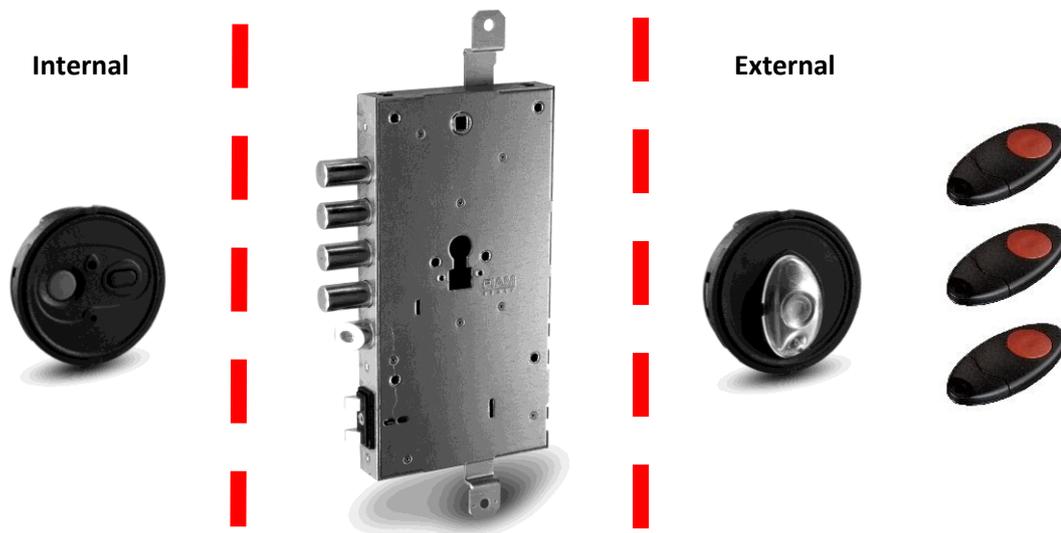
- Preparation of shunt box on the hinge side to host the power supply unit (approximate volume 120X45X30mm with connection cable to the system which is a plug to connect to a normal electricity socket.
- **N.B.: the door is not equipped with batteries. If there is a black-out, opening is only guaranteed with a mechanical key.**
- In this configuration, an IDuo cylinder is recommended with keys integrated in the transponders.
- Cable gland necessary and compulsory.

## Optional – Direct power supply and I/O logic

The I/O module is a two-directional communication interface, which can be used with all alarm and home automation systems.

Signals in remote all the status warnings coming from the lock (door status, bolt position status, spring latch status).

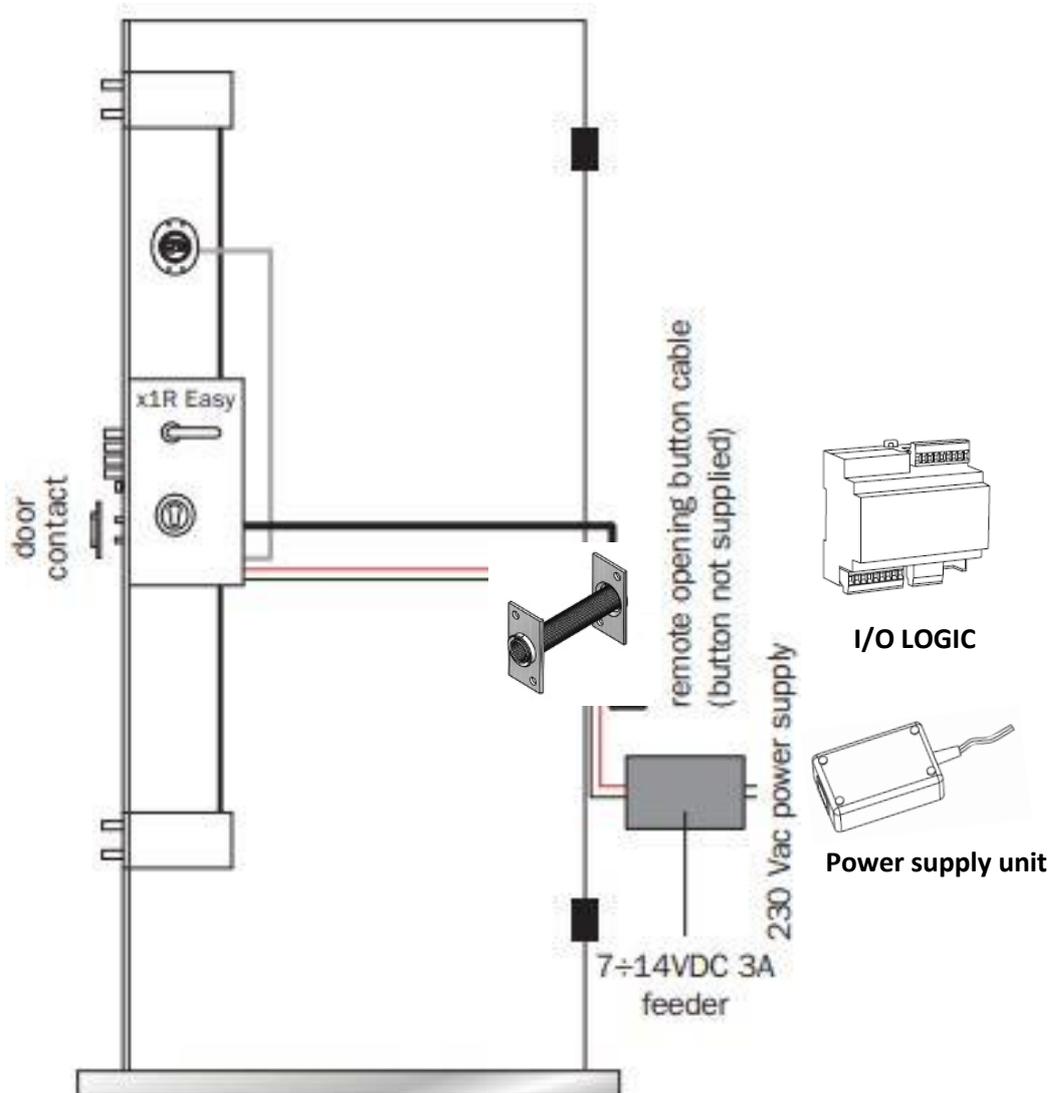
It also has a dedicated relay to coordinate lock operation with a motorised door opening device and an input to manage the remote opening button.



<p><b>MNT 8000:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY (without batteries, including the compulsory power supply unit and cable gland)</b>, external TAG reader and internal keypad as standard, <b>I/O LOGIC</b> for door status.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 +  <b>€ 995.00 =</b>  <b>€ 4,595.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (EASY version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY (without batteries, including the compulsory power supply unit and cable gland)</b>, external TAG reader and internal keypad as standard, <b>I/O LOGIC</b> for door status.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 +  <b>€ 995.00 =</b>  <b>€ 3,485.00</b></p>
<p><b>M18:</b> Electromechanical lock (EASY Version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY (without batteries, including the compulsory power supply unit and cable gland)</b>, external TAG reader and internal keypad as standard, <b>I/O LOGIC</b> for door status.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 transponder keys + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 +  <b>€ 995.00 =</b>  <b>€ 3,245.00</b></p>

## Optional – Direct power supply and I/O logic

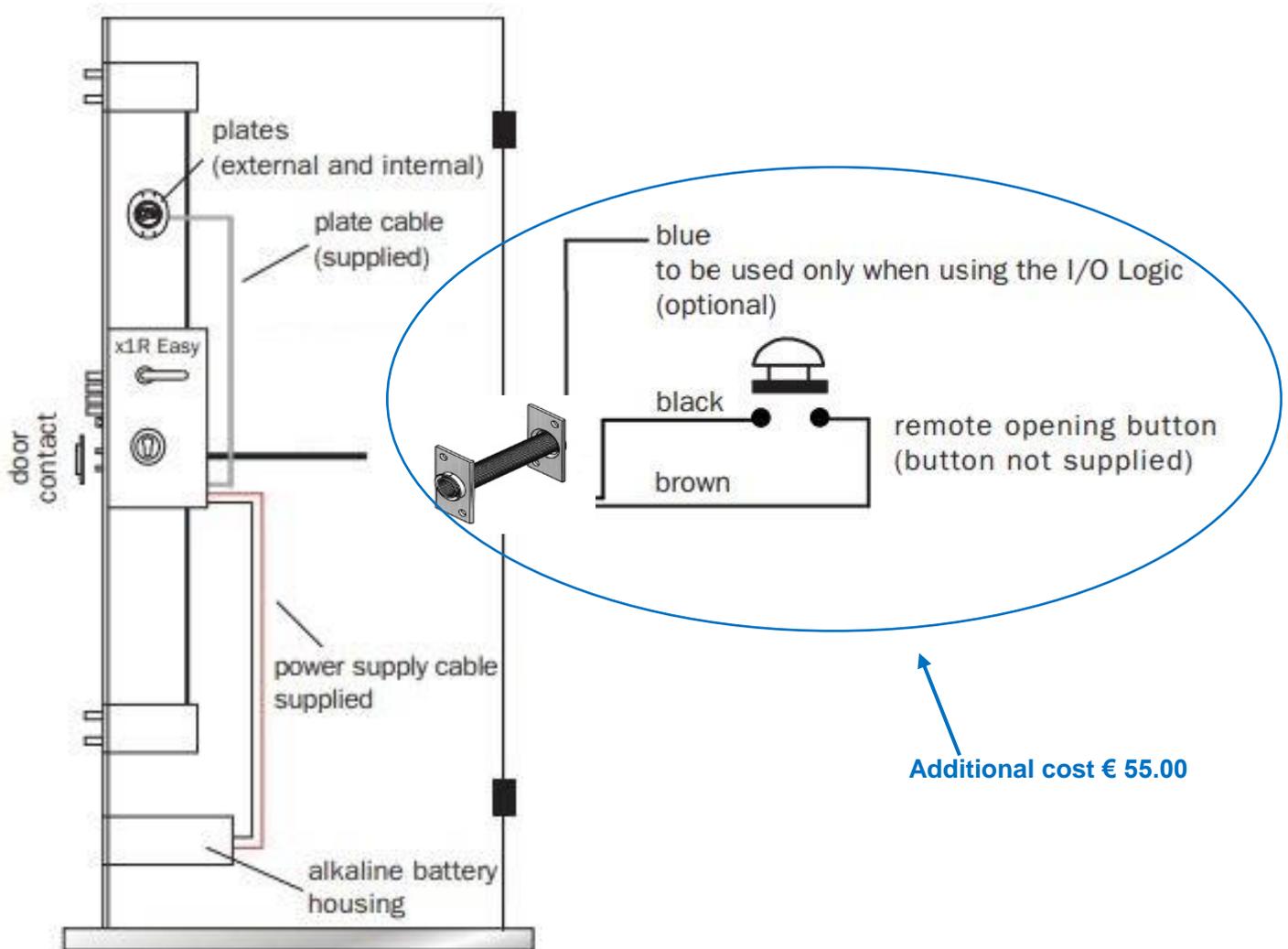
### DOOR DIAGRAM



#### NOTES:

- Preparation of shunt box on the lock side to host the power supply unit (approximate volume 120X45X30mm with connection cable to the system which is a plug to connect to a normal electricity socket).
- **N.B.: the door is not equipped with batteries. If there is a black-out, opening is only guaranteed with a mechanical key.**
- To avoid power disconnection, you are advised to connect the power supply unit to a UPS (not supplied)
- In this configuration, an IDuo cylinder is recommended with keys integrated in the transponders.
- Cable gland necessary and compulsory.

## Optional – Cable gland for remote connection



### NOTES:

- Do not directly connect the opening button input (black/brown cables) to power sources
- As a "remote opening button", use a normally open button (clean contacts).
- If the distance of the remote opening button is over 5 metres from the door, use a relay (common normally open contact) positioned near the lock not over 5 metres from it.
- **N.B.: the cable gland for remote connection can be used with all types of power supplies (alkaline batteries, rechargeable or direct power supply).**
- **N.B.: position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 5)**

## Optional – Opening elements

- **Additional TAG/transponders € 40.00/each**  
(3 transponders supplied)



- **IDuo key-key cylinder € 80.00**  
1 recodable installation key (not unified) + 3 tags/transponders with integrated master mechanical keys + 2 additional master keys (with Security Card)



- **Additional transponder with integrated mechanical key € 85.00/each**  
(valid only as additional cost on IDUO cylinder)



- **Backlit external numerical keypad € 255.00**  
**(including TAG reader)**  
N.B. instead of external TAG reader as standard



- **Additional remote control € 130.00/each**  
(valid only as additional charge on rechargeable batteries version with remote control)



## SUMMARISING

		TYPE OF POWER SUPPLY		
		Alkaline Batteries NOT rechargeable	Rechargeable batteries	Direct power supply
<b>OPENING SYSTEMS</b>	3 TAG/transponders kit	as standard	as standard	as standard
	Internal button	as standard	as standard	as standard
	External TAG reader	as standard	as standard	as standard
	Remote control	not installable	optional	not planned
	I/O logic	not installable	not planned	optional
	Cable gland for remote connection	optional	optional	optional
	IDuo cylinder	optional	optional	optional
	External numerical keypad	optional	optional	optional

## Part 2 – SMART or SMART SINGLE ACTION version – on models:

- **MONOLITE MNT8000**
- **ELITE M80Vip**
- **SUPERIOR M18**

### **x1R** SMART

Certified to the maximum levels of standard EN14846 (The standard specifies the requirements and methods for testing resistance, security, durability and functionality of electrical and electronic components for all types of mechanically operated locks and locking plates for use on doors, French doors, and entrance doors to buildings) with the following classification:



Also certified according to standard EN12209 (Building hardware - Mechanically operated locks and locking plates - Requirements and test methods) with classification:

### **GRADE 7**

*Certified in the «single action» version also according to the standard EN179 (Building hardware - Emergency exit devices operated by a lever handle or push pad - Requirements and test methods) with classification:*

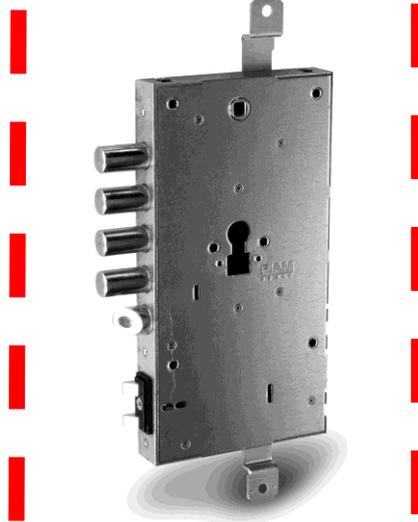


**X1R SMART:** easily manages permissions and access control via the ARGO smartphone app developed for this type of lock. Supports Mifare cards, up to 300 users, stores the last 1 000 events, detects battery status, luminous and acoustic alerts, upgradeable software. Can be opened with smartphone via Bluetooth using the “ARGO” app.

**X1R SMART SINGLE ACTION:** the internal handle allows total release of all the bolts (retracting the throws with the door closed) in a single movement. This allows a user inside the property to quickly open the door by simply pressing the handle (similar to the function of a panic bar).

## Standard equipment SMART or SMART SINGLE ACTION version

Internal



External



**Alkaline batteries**

N.B.: duration 30,000 cycles  
(approx. two years in domestic use)



### NOTES:

- the Master cards are used to access programming and to enable the access credentials, they are numbered and should be used in the order indicated (card 2 bypasses 1, card 3 bypasses all previous ones).

## Standard equipment SMART or SMART SINGLE ACTION version

### SMART VERSION

<p><b>MNT 8000:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. 9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 + <u>€ 210.00 =</u> <b>€ 3,810.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. 13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 + <u>€ 210.00 =</u> <b>€ 3,000.00</b></p>
<p><b>M18:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. 11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 + <u>€ 210.00 =</u> <b>€ 2,460.00</b></p>

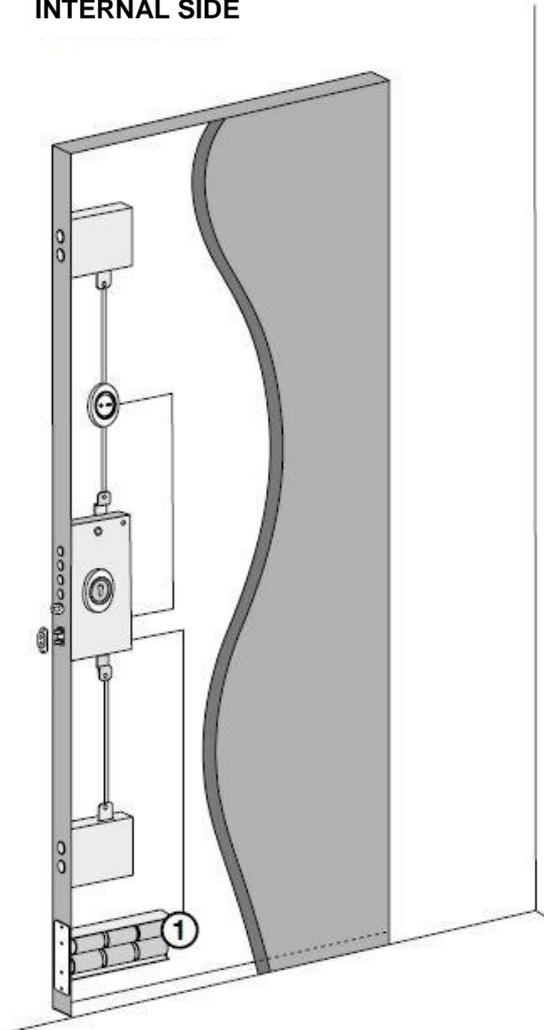
### SMART SINGLE ACTION VERSION

<p><b>MNT 8000:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. 9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 + <u>€ 265.00 =</u> <b>€ 3,865.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. 13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 + <u>€ 265.00 =</u> <b>€ 2,755.00</b></p>
<p><b>M18:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. 11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 + <u>€ 265.00 =</u> <b>€ 2,515.00</b></p>

Standard equipment  
SMART or SMART SINGLE ACTION version

## DOOR DIAGRAM

INTERNAL SIDE



**N.B.:** position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 21)

## MOVED BATTERY PACK

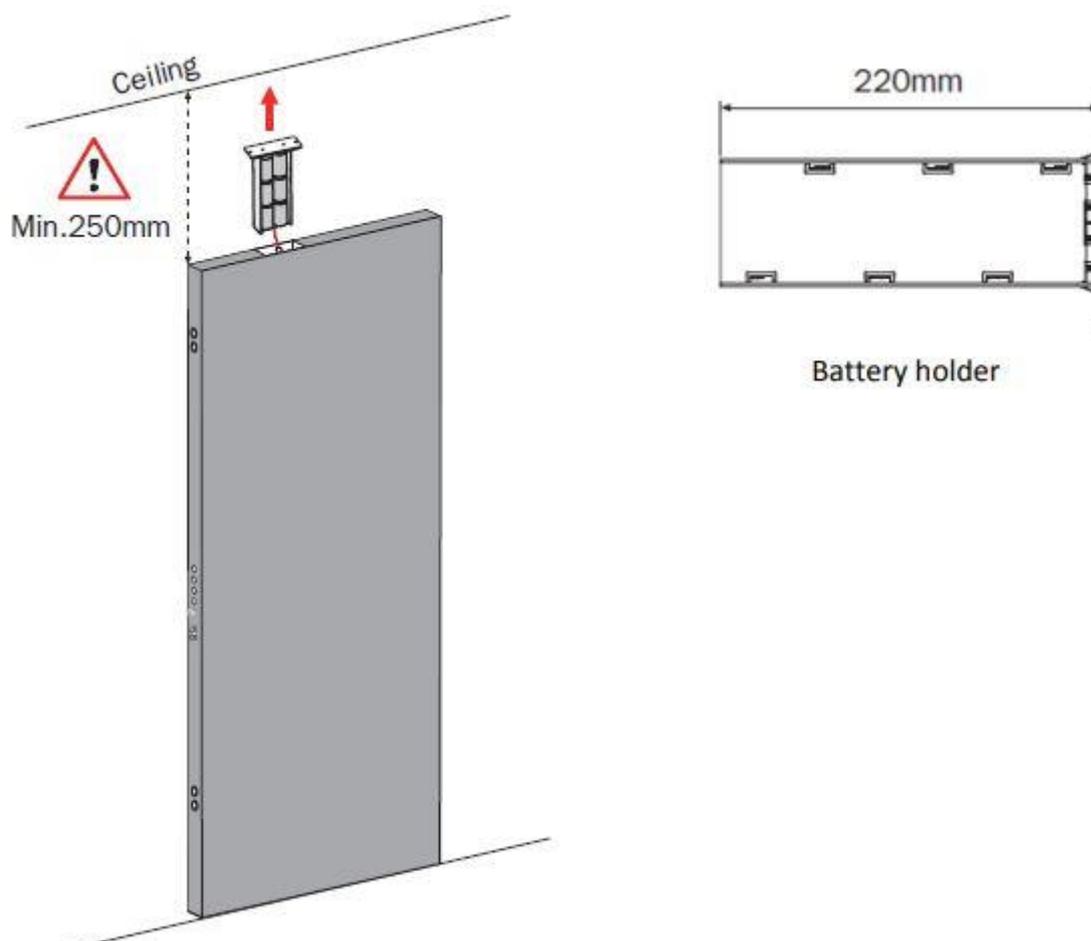
In the following conditions, the battery will be moved to the upper part;

- Sigillo Threshold (in models where planned)
- Air/water floor mullion
- Shortened leaf/ counterframe below floor surface

In the following conditions, added to the previous, in planned models, the battery pack can be moved on the hinge side:

- Wide glass inserts
- Arched doors (in models where planned)

Before proceeding to order, check there are no obstructions that limit battery pack removal operations at time of replacement and, if necessary, evaluate an alternative power source.



## Optional – Direct power supply using door contact

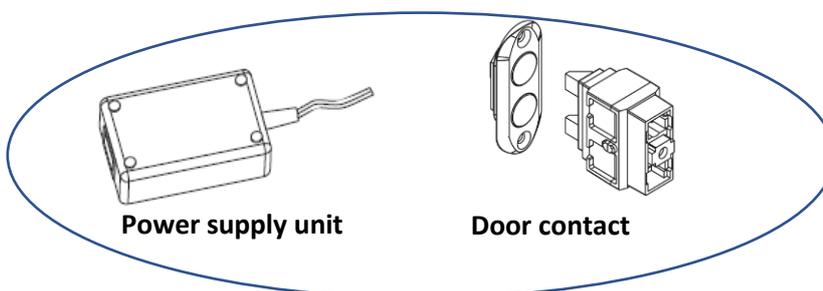
Internal

External



**Alkaline batteries**

N.B.: duration 30,000 cycles  
(approx. two years in domestic use)



Power supply unit

Door contact

← Additional cost € 225.00

## Optional – Direct power supply using door contact

### SMART or SMART SINGLE ACTION version

#### SMART VERSION

<p><b>MNT 8000:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> using door contact including power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 +            € 210.00 +            € 225.00 =  <b>€ 4,035.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> using door contact including power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 +            € 210.00 +            € 225.00 =  <b>€ 2,925.00</b></p>
<p><b>M18:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> using door contact including power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 +            € 210.00 +            € 225.00 =  <b>€ 2,685.00</b></p>

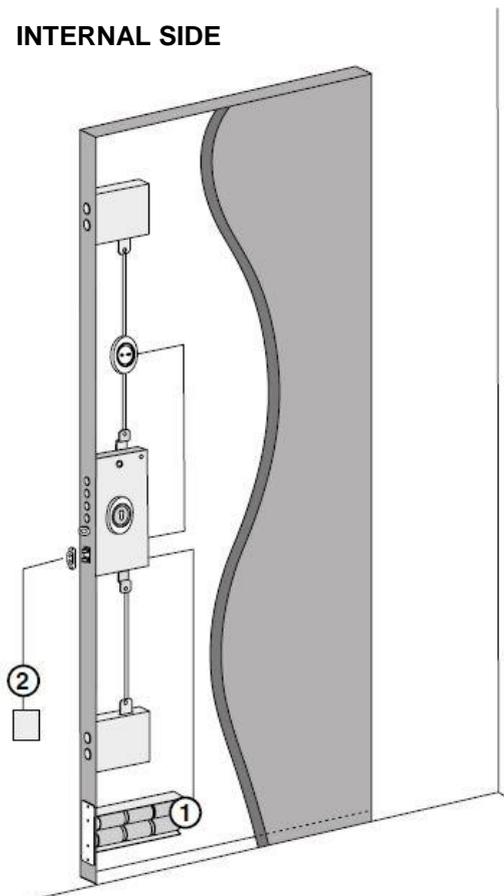
#### SMART SINGLE ACTION VERSION

<p><b>MNT 8000:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> using door contact including power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 +            € 265.00 +            € 225.00 =  <b>€ 4,090.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> using door contact including power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 +            € 265.00 +            € 225.00 =  <b>€ 2,980.00</b></p>
<p><b>M18:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> using door contact including power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 +            € 265.00 +            € 225.00 =  <b>€ 2,740.00</b></p>

## Optional – Direct power supply using door contact

SMART or SMART SINGLE ACTION version

### DOOR DIAGRAM



When the door is closed, the lock power supply is provided by the electricity mains (2) using the door contact

sensor. When the door is open, the power supply is provided by the alkaline batteries (1), which also work as backup, in the event of a black-out.

N.B.: thanks to the innovative technology of this lock in internal energy management, these batteries will probably last up to their expiry date.

#### NOTES:

- Shunt box preparation on the lock side to host the power supply unit (approximate volume 120X45X30mm)
- the connection cable to the system is a plug to connect to a normal electricity socket
- The cable gland is not necessary.
- **N.B.: position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 21)**

## Optional – Direct power supply using a cable gland with an 8-pole cable

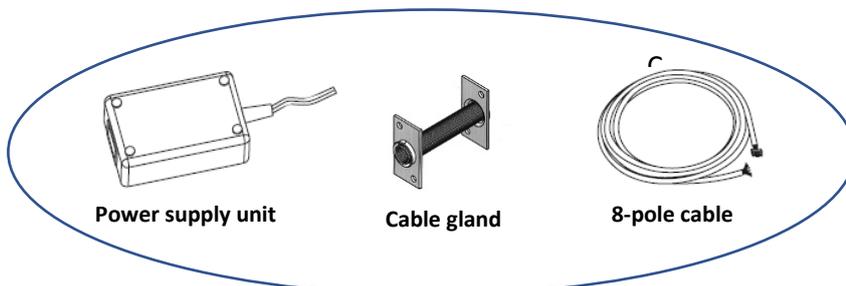
Internal

External



**Alkaline batteries**

N.B.: duration 30,000 cycles  
(approx. two years in domestic use)



Power supply unit

Cable gland

8-pole cable

Additional cost € 385.00

## Optional – Direct power supply using a cable gland with an 8-pole cable

### SMART or SMART SINGLE ACTION version

#### SMART VERSION

<p><b>MNT 8000:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> with cable gland including the multi-pole cabling (8 poles: remote control + door status + power supply + lockbus), power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 +            € 210.00 +            € 385.00 =  <b>€ 4,195.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> with cable gland including the multi-pole cabling (8 poles: remote control + door status + power supply + lockbus), power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 +            € 210.00 +            € 385.00 =  <b>€ 3,085.00</b></p>
<p><b>M18:</b> Electromechanical lock (<b>SMART</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> with cable gland including the multi-pole cabling (8 poles: remote control + door status + power supply + lockbus), power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 +            € 210.00 +            € 385.00 =  <b>€ 2,845.00</b></p>

#### SMART SINGLE ACTION VERSION

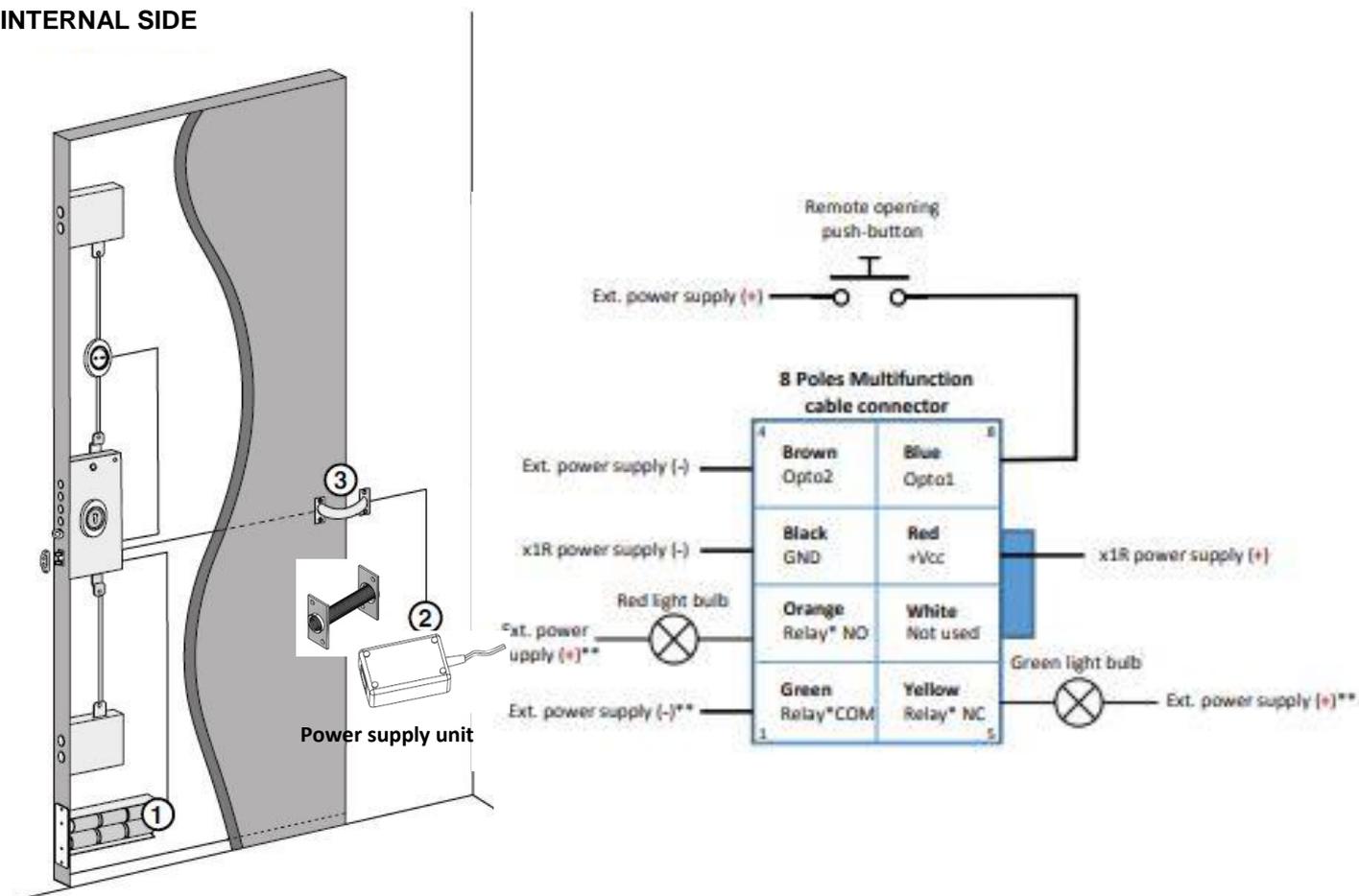
<p><b>MNT 8000:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> with cable gland including the multi-pole cabling (8 poles: remote control + door status + power supply + lockbus), power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 +            € 265.00 +            € 385.00 =  <b>€ 4,250.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> with cable gland including the multi-pole cabling (8 poles: remote control + door status + power supply + lockbus), power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 +            € 265.00 +            € 385.00 =  <b>€ 4,140.00</b></p>
<p><b>M18:</b> Electromechanical lock (<b>SMART SINGLE ACTION</b> version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4).  <b>DIRECT POWER SUPPLY</b> with cable gland including the multi-pole cabling (8 poles: remote control + door status + power supply + lockbus), power supply unit and backup alkaline batteries (not rechargeable), external RFID reader and internal keypad as standard.            11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts.            Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 +            € 265.00 +            € 385.00 =  <b>€ 2,900.00</b></p>

## Optional – Direct power supply using cable gland with 8-pole cable

SMART or SMART SINGLE ACTION version

### DOOR DIAGRAM

INTERNAL SIDE



The power supply is provided by an external power supply unit connected to the electricity mains (2) and backup alkaline batteries (1), to keep the lock operating in the event of a black-out. The power cable reaches the lock using the cable gland spring (3) normally situated on the hinge side of the door.

#### NOTES:

- Shunt box preparation on the hinge side to host the power supply unit (approximate volume 120X45X30mm)
- the connection cable to the system is a plug to connect to a normal electricity socket
- Cable gland necessary and compulsory.

**N.B.:** position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 21)

## Optional – Cable gland for remote connection with 2-pole cable

### SMART or SMART SINGLE ACTION version

#### SMART VERSION

<p><b>MNT 8000:</b> Electromechanical lock (SMART version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. <a href="#">Cable gland for remote connection with 2-pole cable.</a> 9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 + € 210.00 + € 90.00 = <b>€ 3,900.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (SMART version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. <a href="#">Cable gland for remote connection with 2-pole cable.</a> 13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 + € 210.00 + € 90.00 = <b>€ 2,790.00</b></p>
<p><b>M18:</b> Electromechanical lock (SMART version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. <a href="#">Cable gland for remote connection with 2-pole cable.</a> 11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 + € 210.00 + € 90.00 = <b>€ 2,550.00</b></p>

#### SMART SINGLE ACTION VERSION

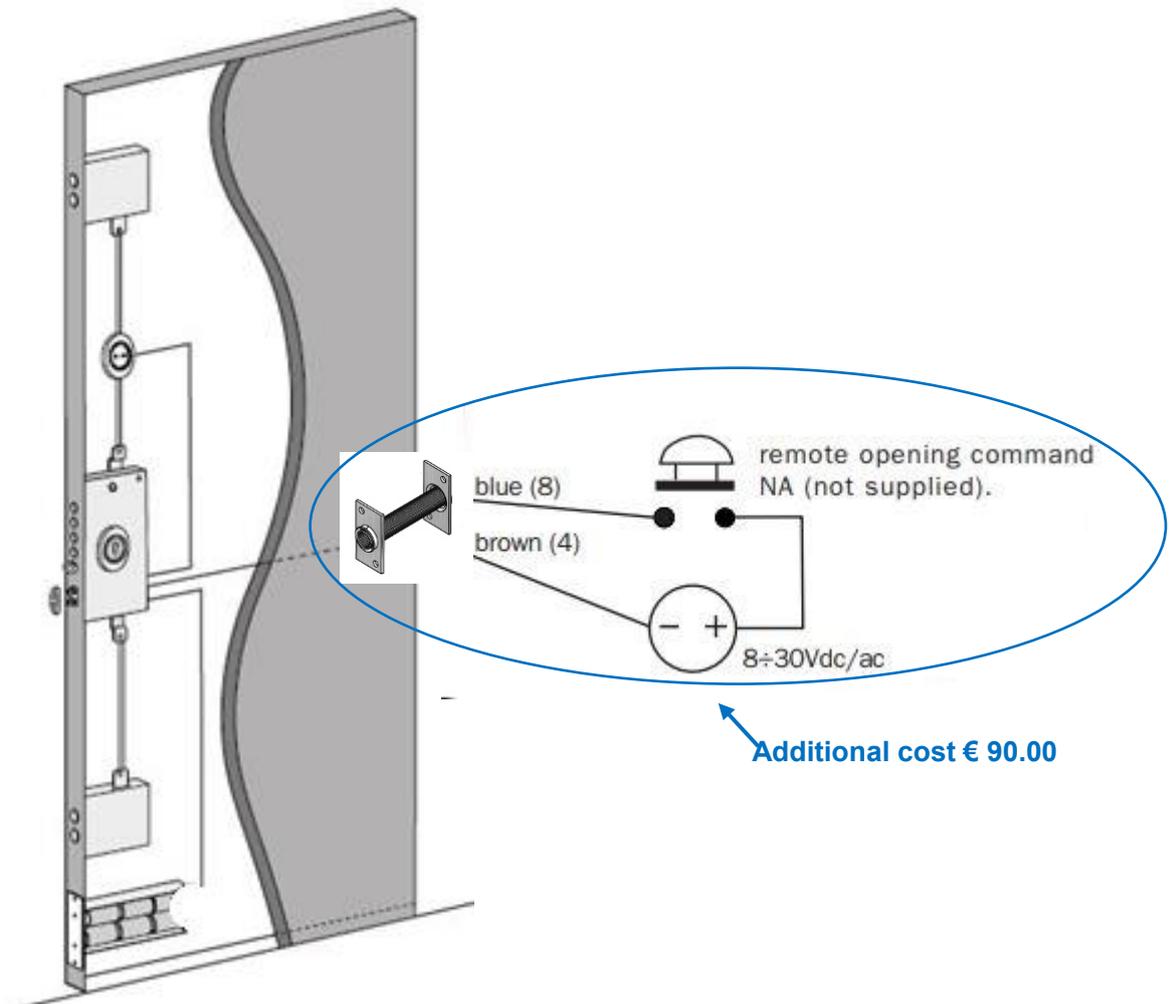
<p><b>MNT 8000:</b> Electromechanical lock (SMART SINGLE ACTION version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. <a href="#">Cable gland for remote connection with 2-pole cable.</a> 9 securing points: 6 moving points, 1 spring latch, 2 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 3,600.00 + € 265.00 + € 90.00 = <b>€ 3,955.00</b></p>
<p><b>M80 VIP:</b> Electromechanical lock (SMART SINGLE ACTION version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. <a href="#">Cable gland for remote connection with 2-pole cable.</a> 13 securing points: 8 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,490.00 + € 265.00 + € 90.00 = <b>€ 2,845.00</b></p>
<p><b>M18:</b> Electromechanical lock (SMART SINGLE ACTION version) with Duo key/key anti-drill and anti-bumping cylinder (class 2), protected by anti-drill and anti-pipe defender (class 4). Alkaline batteries (non-rechargeable), external RFID reader and internal keypad as standard. <a href="#">Cable gland for remote connection with 2-pole cable.</a> 11 securing points: 6 moving points, 1 spring latch, 4 fixed hinge bolts. Key system: 3 master cards + 3 user cards + 1 recodable installation key (not unified) + 3 master keys with Security Card.</p>	Each	<p>€ 2,250.00 + € 265.00 + € 90.00 = <b>€ 2,605.00</b></p>

## Optional – Cable gland for remote connection with 2-pole cable

SMART or SMART SINGLE ACTION version

### DOOR DIAGRAM

INTERNAL SIDE



#### NOTES:

- The cable gland option with 2 poles is valid both for power supply with alkaline batteries and direct power supply from door contact.
- **Opto-isolated input:** it is an electrical input with an electronic component that allows transfer of a signal between two circuits, maintaining isolation between them. By doing so, any problems on one of the two circuits due for example to electrostatic discharge or short circuit, does not influence or condition the other circuit.
- For direct power supply using a cable gland, the cable for the remote button is included in the 8-pole cable.
- **N.B.:** position the battery pack on standard doors. For installation in particular conditions, see the specific data sheet (page 21)

## Optional – Opening elements

- **3 Master cards kit € 60.00/each kit**



- **Additional user cards € 12.00/each**  
(3 user cards supplied)



- **TAG RFID/transponder € 40.00/each**



- **IDuo key-key cylinder € 185.00**  
1 recodable installation key (not unified) + 3 tags/transponders with integrated master mechanical keys + 2 additional master keys (with Security Card)



- **Backlit external numerical keypad € 160.00**  
(including RFID reader)  
N.B. instead of external RFID reader as standard



- **Concealed RFID reader € 185.00**  
N.B. instead of external RFID reader as standard  
*Attention!* It may only read ISEO RFID cards



- **ISEO fingerprint reader € 845.00**  
N.B. combined with an opening device of your choice, from:
  - RFID reader
  - Numerical keypad
  - Concealed RFID reader

*Attention!* The reader may not recognise fingerprints that are worn or dirty, injured or exposed to abrasive agents or due to particular genetic reasons.



## SUMMARISING

		TYPE OF POWER SUPPLY		
		Alkaline Batteries NOT rechargeable	Direct power supply from door contact including alkaline batteries	Direct power supply from cable gland including alkaline batteries
<b>OPENING SYSTEMS</b>	3 Master cards + 3 User cards	as standard	as standard	as standard
	Internal button	as standard	as standard	as standard
	External RFID reader	as standard	as standard	as standard
	Cable gland for remote connection with 2-pole cable	optional	optional	Not necessary already included in 8- pole cable
	Cable gland for remote connection with 8-pole cable	Not planned	Not planned	as standard
	IDuo cylinder	optional	optional	optional
	External numerical keypad	optional	optional	optional
	Concealed RFID reader	optional	optional	optional
	ISEO fingerprint reader	optional	optional	optional

## ISEO ARGO APP



Main functions:

- Opening device with all iOS and Android smartphones
- Management of user list: add, delete or edit up to 300 users for each device
- Reading of events log (last 1,000 events)
- Free software and firmware upgrades
- Instruction manuals always up to date

### ADDITIONAL CHARGED ARGO GUEST AND ARGO HOST SERVICE

For further information <https://app.iseo.com/> or contact the company



1-The provider creates a virtual key

2- The guest receives the virtual key

3- The guest receives the virtual key

## USEFUL LINKS

<https://app.iseo.com/>

<https://www.iseo.com/it/en/products/locks-for-armoured-doors/motorized-locks>

ITALIAN FREEPHONE NO. **800728722**