

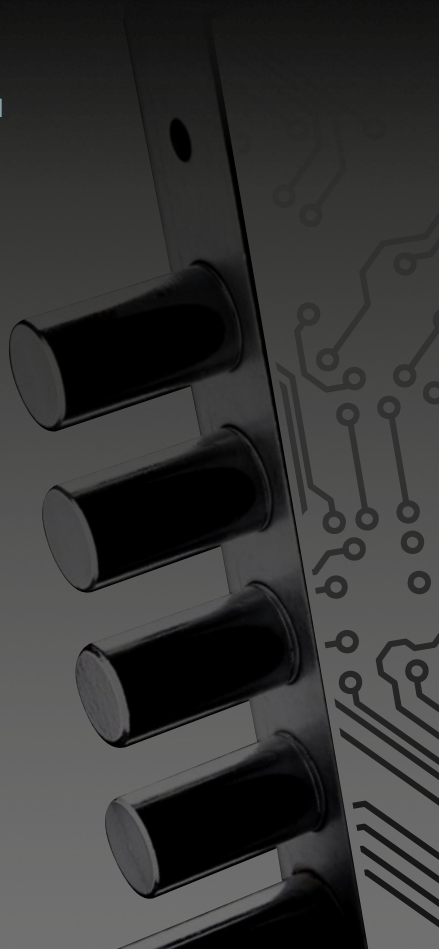
ISEO® 50th that's amore.

ISEO® Zero1
ELECTRONIC
SOLUTIONS

x1R SMART
ELECTROMECHANICAL LOCK FOR ARMoured DOORS

E N G L I S H

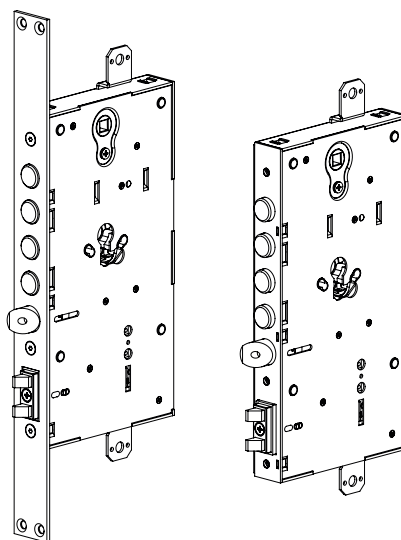
1969-2019
50th Anniversary





MECHANICS AND ELECTRONICS PERFECTLY COMBINED

x1R Smart is a motorised electronic lock purposely designed for use on armoured doors. The opening and closing functions are controlled by a motor and an electronic card with a state-of-the-art microprocessor. Even in the event of a power failure, the door can still be opened using the mechanical key which, thanks to a security system, can disconnect the motor during the activation of the mechanical cylinder.

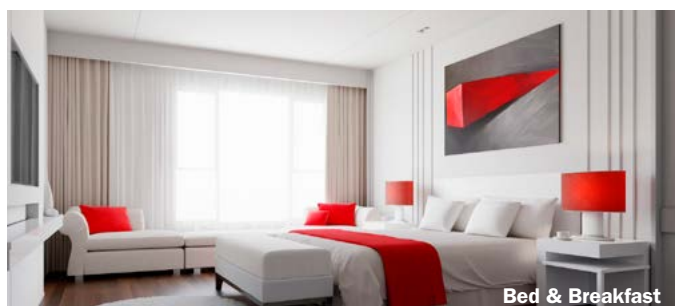


.....
x1R
SMART



MAIN FEATURES

- AUTOMATIC OPENING AND CLOSING
- SINGLE ACTION (ANTI-PANIC FUNCTION)
- INTERCHANGEABLE WITH THE MOST COMMON MECHANICAL LOCKS FOR ARMoured DOORS
- REVERSIBLE HAND
- CERTIFIED FOR MAXIMUM SECURITY
- LIGHT OR FREE OFFICE MODE CONFIGURATION
- BACKLIT KEYPAD
- POWER SUPPLY AND ENERGY MANAGEMENT
- OPENING ALSO WITH MECHANICAL KEY
- IT CAN BE INTEGRATED WITH DOMOTIC SYSTEMS
- DOOR STATUS SIGNAL
- REMOTE OPENING COMMAND
- FINGERPRINT READER



x1R SMART

Open
as you like



You can open x1R Smart with several electronic credentials, setting functions, time control and even time schedules. However, in case of need, you always have the possibility to open with a mechanical key.

SMARTPHONE

Thanks to the Bluetooth Smart technology, you can open the door with your smartphone. The free Argo App enables any Bluetooth Smart Ready phone (iOS, Android) to unlock the door equipped with x1R Smart. The Bluetooth Smart technology allows remote unlocking of the door up to a distance of 10 meters. So you can use your phone also as remote control to unlock your door.



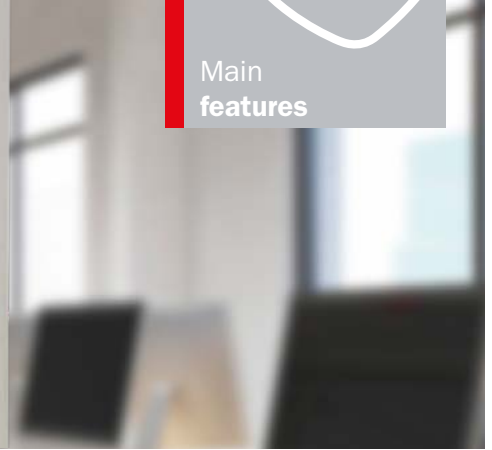
APPLE WATCH

Argo App is available also for Apple Watch Series 3 and Series 4, which you can use to unlock your x1R Smart.

FINGERPRINT

x1R Smart is integrating fingerprint biometric authentication. The biometric template is a very secure and convenient authentication credential: it can't be borrowed, stolen, or forgotten, and forging one is practically impossible.





PIN CODES

x1R Smart can be also equipped with a keyboard RFID reader that allows to add PIN codes as credentials to open the door. PIN codes can be easily managed by Argo App like any other credential. With Argo App it is possible to activated the Passage Mode Function by typing a PIN code. To disable the Passage mode just type again the PIN code. Passage Mode can be Light (default) or Free as configured by Argo.



RFID CREDENTIALS

x1R Smart has a Multistandard contactless reader that works with 13,56Mhz RFID technology (ISO 14443 A/B). You can open by:

ISEO CARDS, TAGS AND TRANSPONDER (13,56Mhz)



ISEO cards are specifically developed with an encrypted UID. This allows a higher level of security in the trasmission between the card and the doorlock.

MIFARE CARDS AND TAGS (MIFARE CLASSIC, PLUS, DESFIRE)



Mifare cards and tags works by reading the card UID (Unique IDentifier).

x1R SMART

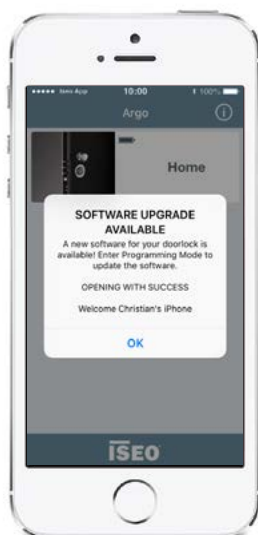
Main features



CHECK WHO'S ENTERED

x1R Smart stores all entrances and exits made by electronic and mechanical commands. Thanks to Argo App administrators can view the log of the last 1000 events detected on the door and send the report via e-mail. Denied access attempts are highlighted in red.

ACCESS DENIED



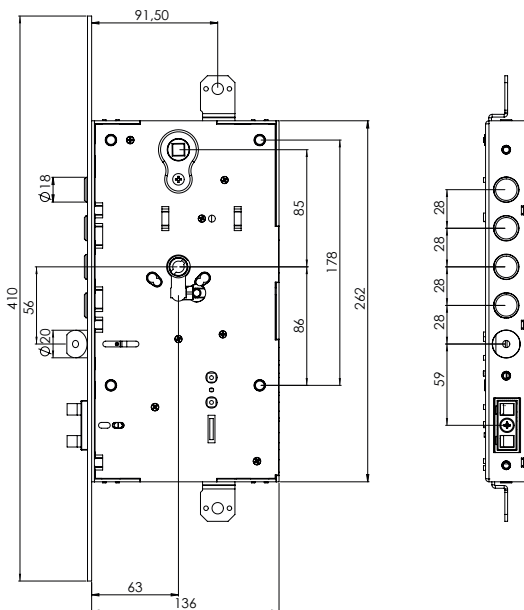
FREE APP AND FREE SOFTWARE UPGRADE

Free software updates make sure you get the best performance from your x1R Smart. When an update is available for your lock, your phone notifies you. The new software will be automatically installed in the lock from your phone. Enjoy new features, protecting your investment in ISEO products.



SINGLE ACTION VERSION (ANTI-PANIC FUNCTION)

In the Single Action version the interior handle also retracts the bolts, in a single and fluid motion. The user can always open the door quickly and easily from the inside by simply pressing on the handle, even if the bolts are extended (door under maximum security conditions).



COMPATIBLE WITH THE MAJOR DIMENSIONAL STANDARDS

The x1R Smart is interchangeable with the most common mechanical locks: it has the same accessories, and the simple electrical connections make the installation extremely easy.

What's more, all the models are reversible, with different bolt protrusions and centre distances.

When the door is closed, the total projection of the deadbolts is 30 mm. The latchbolt has a diameter of 20 mm.

CERTIFIED FOR MAXIMUM SECURITY

x1R Smart is certified according to EN 14846:2008 with classification 3X9E0P713. In the Single Action version it is also certified EN 179:2008, with classification 377B1452AB (emergency exit device with "lever handle" operation). Suitable for use on smoke and fire resistant doors, with a classification time of 90 minutes (EI 90).

x1R SMART

Technical features

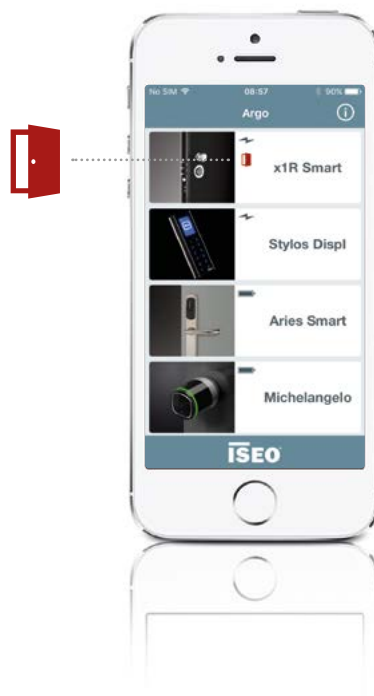
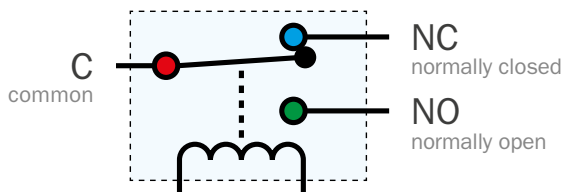


DOOR STATUS

The Doors Status allows to see directly on your smartphone if the door is OPEN or CLOSED and SECURE.

DOOR STATUS SIGNAL

x1R Smart powered by external power supply has a built-in relay to provide the “door status signal” (NO/NC output contact - 1A max), ready to be used for many applications such as home automation systems. The relay is also configurable by Argo App as single pulse to activate, for example, a motorized swing door operator.



REMOTE OPENING COMMAND

x1R Smart has a built-in opto-isolated input (8÷30Vdc/Vac), for a remote opening command, for example by an intercom button.



LIGHT OR FREE PASSAGE MODE

Thanks to Argo App, x1R Smart allows the configuration of Passage Mode (office mode), Light or Free without extra battery consumption.



LIGHT MODE

Closed only with the latch to save energy. It reduces mechanical wear and guarantees more comfort, with a faster opening time with less noise. Light mode is set by default from the factory.



FREE MODE

With bolts and latch withdrawn to ensure free passage.



The Passage Mode (Light or Free configuration) can be both activated by a smartphone, a card, a PIN, a remote opening button and scheduled according to specific time.

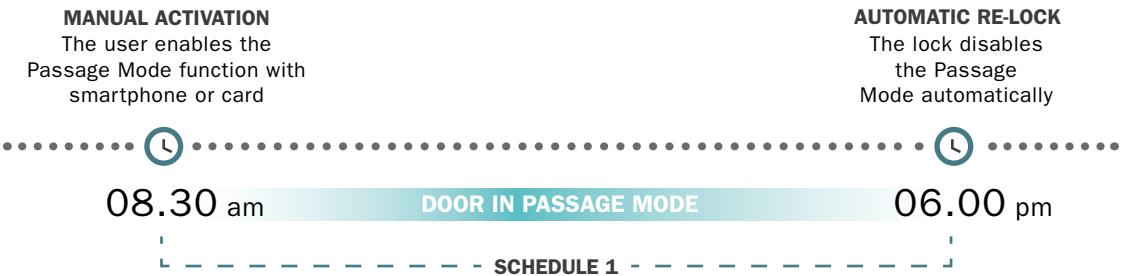
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Scheduled passage mode

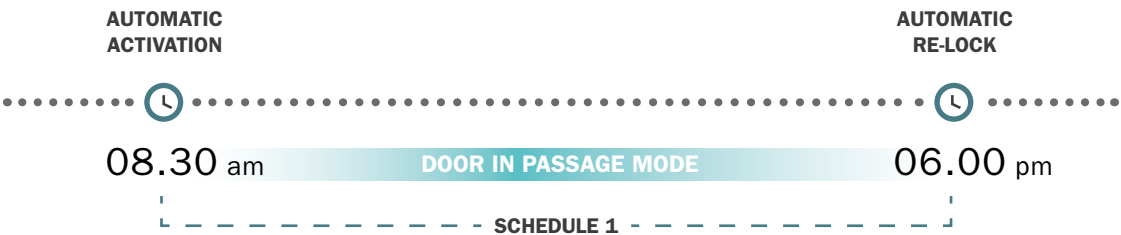


x1R Smart allows you to set two different schedules, in order to enable and disable the Passage Mode function automatically. For each of the two programs, you can set three different settings.

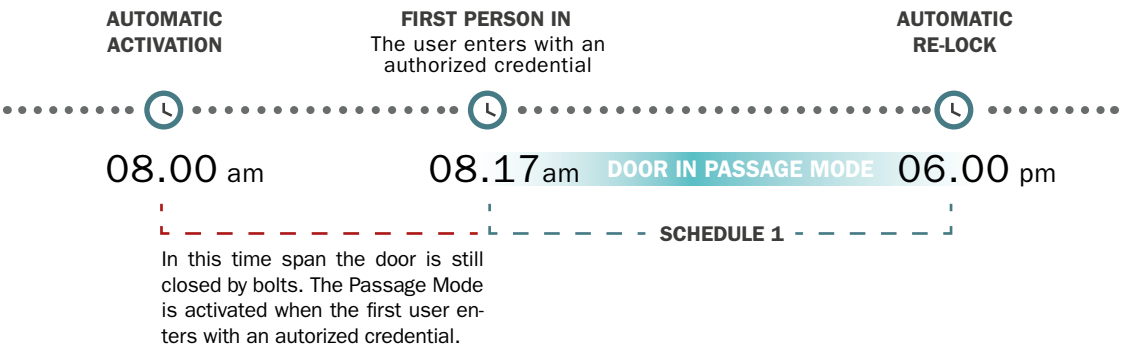
1. PASSAGE MODE WITH AUTOMATIC RE-LOCK



2. PASSAGE MODE WITH AUTOMATIC ACTIVATION AND AUTOMATIC RE-LOCK.



3. PASSAGE MODE WITH AUTOMATIC ACTIVATION AND AUTOMATIC RE-LOCK WITH FIRST PERSON IN.

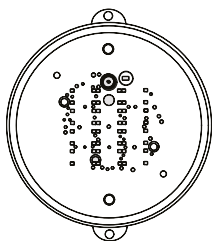


x1R SMART

Hidden External Reader

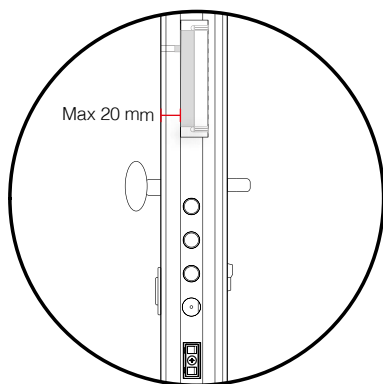


The Hidden External Reader is a Bluetooth and RFID reader, with no PIN option, that can be installed inside the door, in order to have from the outside a clean door surface solution (clean facade door).



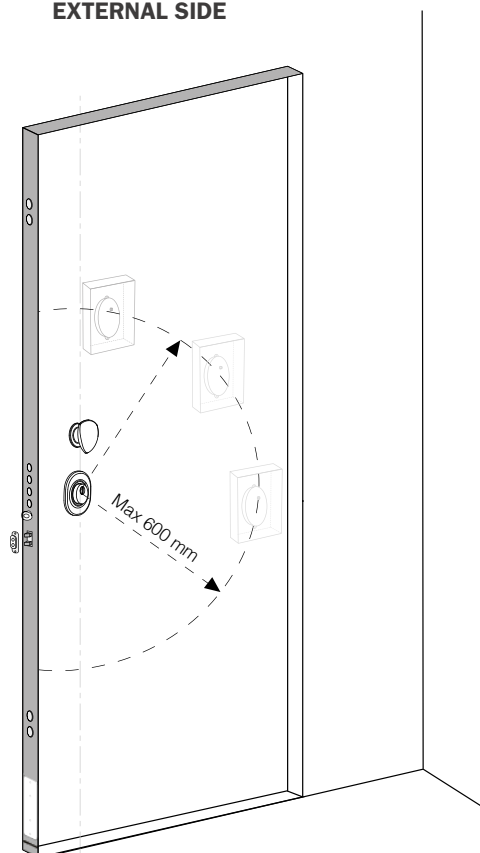
To ensure a good card reading, the reader must be placed inside the door following the guidelines in the Installation Guide, which is provided with the product. In case of a door with metal panel, an additional metal box (optional) can be provided by ISEO. This box has the exact dimensions to minimize any signal interference caused by the metal panel. In this way, the RFID reader works properly with ISEO cards and guarantees a good user experience.

LATERAL SIDE



The Hidden External Reader must be installed within 600 mm from the cylinder and at a maximum distance of 20 mm from the door external panel.

EXTERNAL SIDE



x1R SMART

Fingerprint Reader



x1R Smart fingerprint reader can be embedded or mounted on the surface of the door. It can be supplied both as ISEO kit (with mounting devices and cover with standard finishes) and as OEM kit (with cable and reader only).

EMBEDDED READER

The x1R Smart embedded reader is available in two different models allowing the following mounting options:



SURFACE MOUNTED READER

The surface mounted reader is applied on the door surface with minimal insertion on the outside door panel without impact on the door structure.



INSTALLATION

x1R Smart fingerprint reader is installed on the external side panel of the door, and it always requires in addition the External Control Module, that can be one of the following: RFID Reader, Keypad RFID Reader, Hidden RFID Reader. x1R Smart fingerprint reader must be installed at a distance max of 1 meter from the x1R Smart lock.

x1R SMART

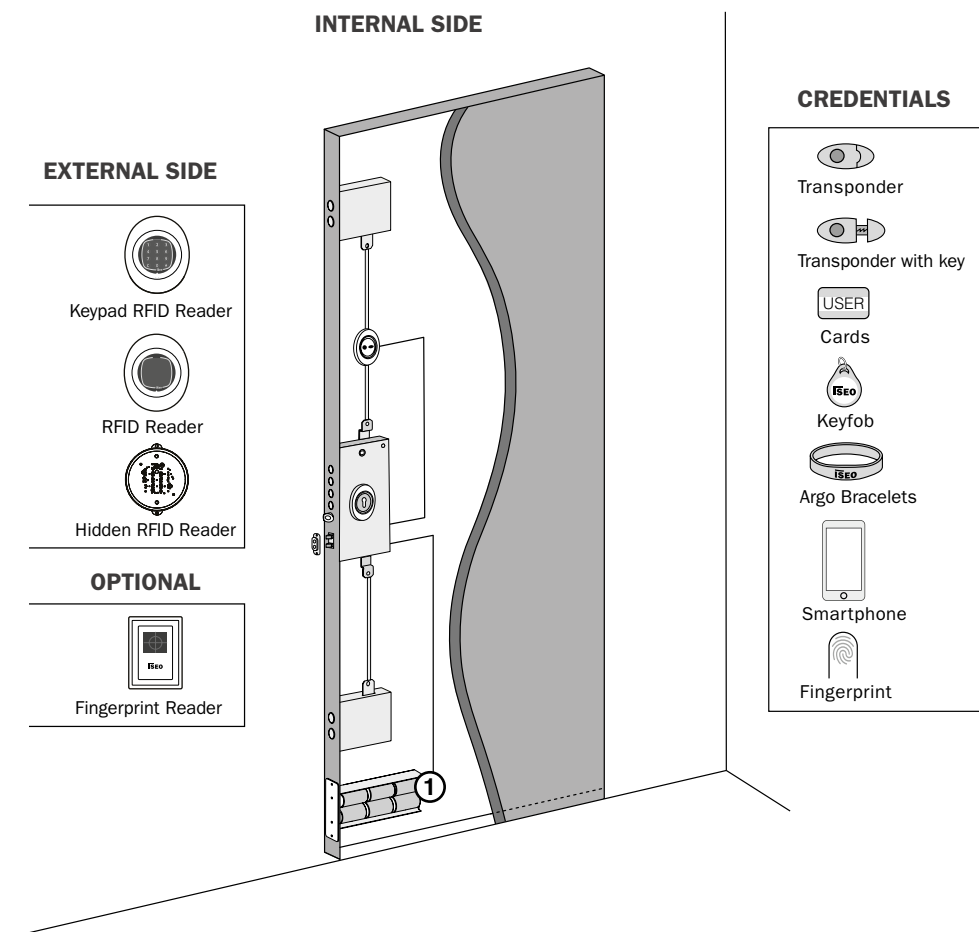
Power supply and energy management



x1R Smart offers three different power supply configurations to meet your installation and energy consumption management needs:

1. ALKALINE BATTERIES POWERED

No wiring needed. The lock uniquely works by using the alkaline battery pack (1).



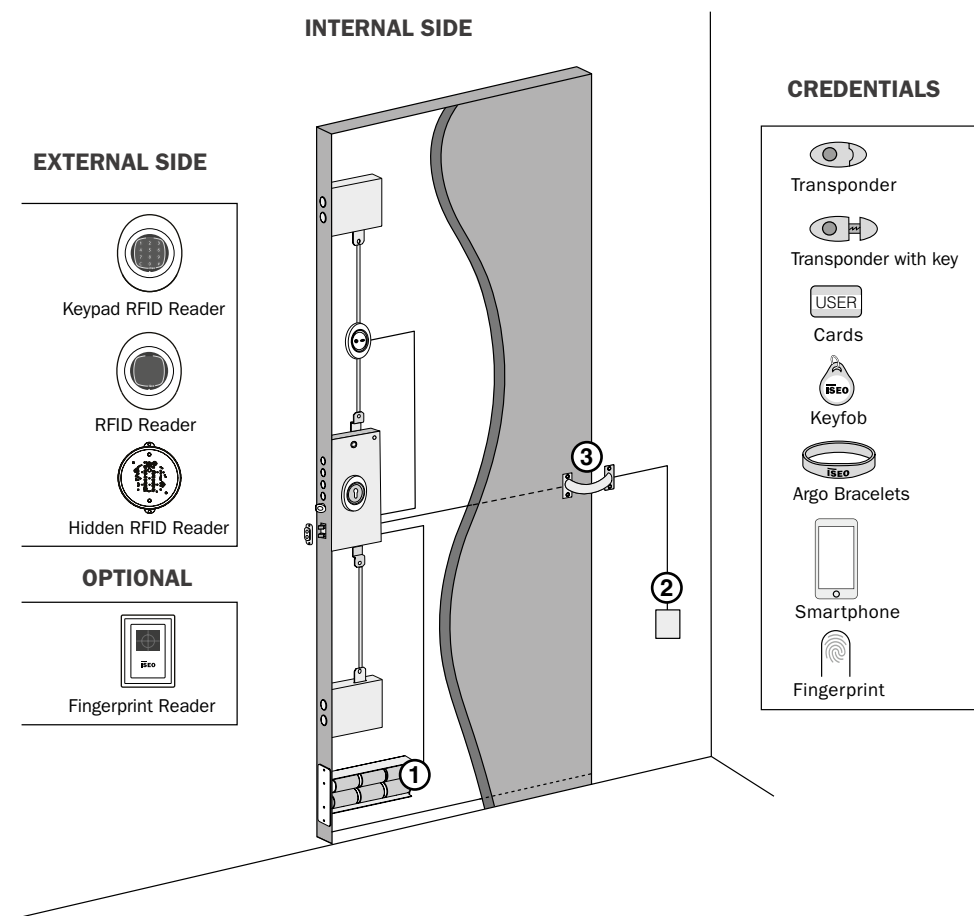
x1R SMART

Power supply and energy management



2. EXTERNAL POWER SUPPLY

DC power is supplied by an external feeder connected to the mains (2). The power cable reaches the lock through the cable gland spring (3), usually placed in the hinges side of the door. It is suggested to use alkaline batteries as back-up (1-optional), in order to guarantee the operation of the lock even in case of lack of power supply (black-out).

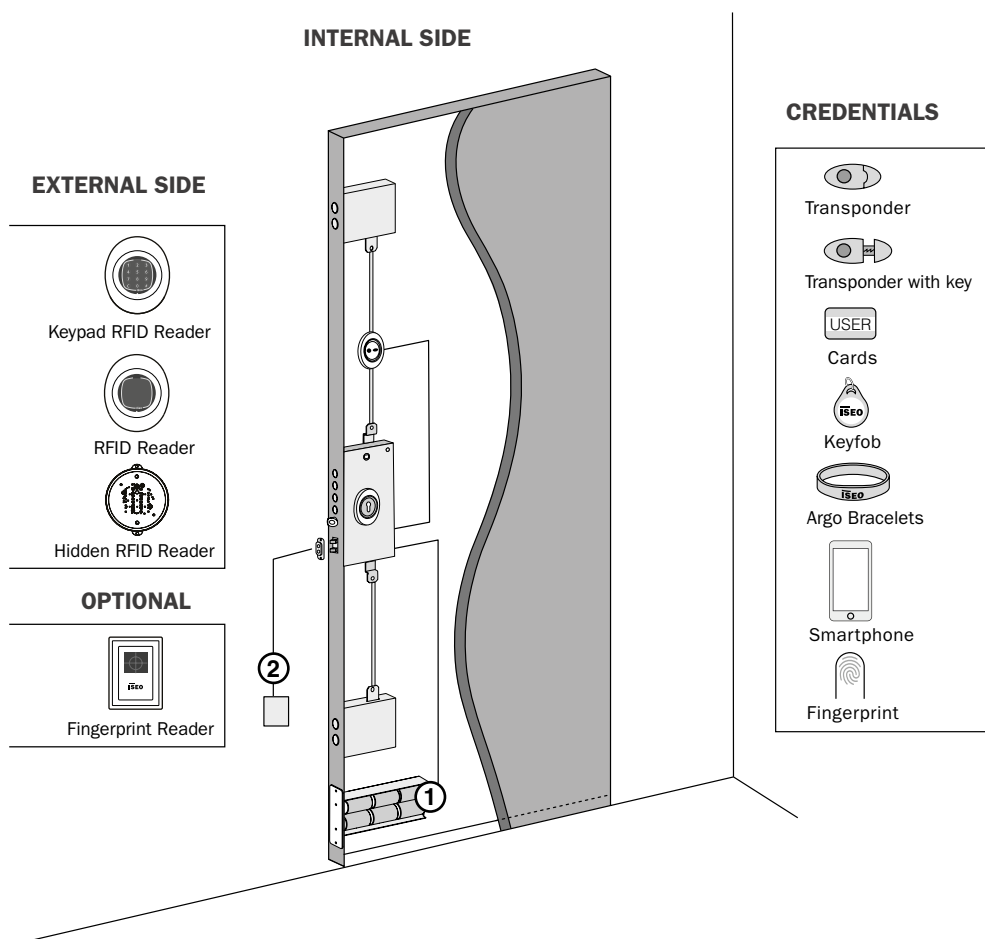




3. EXTERNAL POWER SUPPLY VIA DOOR SENSOR CONTACTS AND ALKALINE BATTERIES

When the door is closed, DC power supply is provided by an external feeder connected to the mains, through the door sensor contacts (2). When the door is open power supply is provided by the alkaline batteries (1), which act also as a back-up in case of power failure.

Thanks to an innovative technology concerning energy consumption management, x1R Smart is able to switch from external power supply to batteries and viceversa, in a really fast and precise way. The greater energy request, following an opening or closing command, is always provided by the mains, since the door sensor contacts are touching the door frame. For this reason, the batteries life span will last until the batteries expiration date.





Iseo Serrature s.p.a.

Via San Girolamo, 13
25055 Pisogne BS, Italy
Tel. +39 0364 8821
iseo@iseo.com

Via Don Fasola 4
22069 Rovellasca CO
iseozero1@iseo.com

800-728722
ELECTRONIC SUPPORT SERVICE

iseo.com

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