

x1R SMART

ELECTROMECHANICAL LOCK
FOR ARMoured DOORS

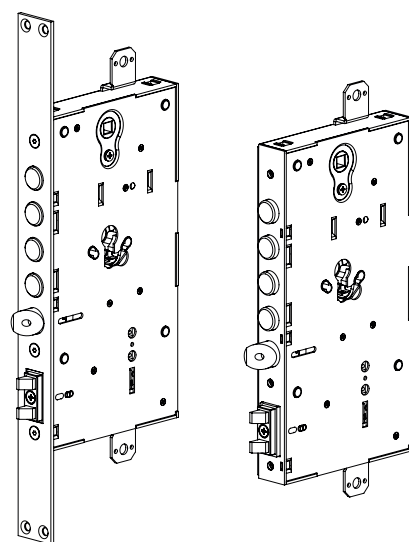




x1R SMART

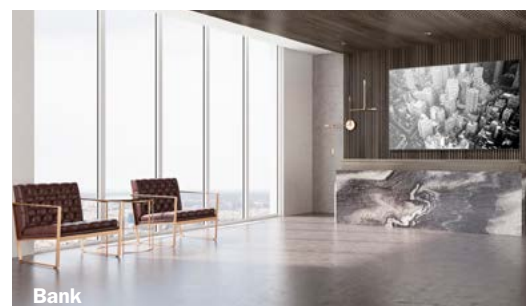
MECHANICS AND ELECTRONICS PERFECTLY COMBINED

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.



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



Bank



Light commercial



Bed & Breakfast



Residential

x1R SMART

Main settings



LIGHT AND FREE MODE

Thanks to Argo App, x1R Smart allows 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, ensures 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With bolts and latch withdrawn to ensure free passage.

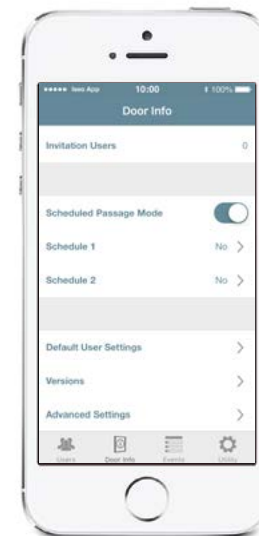


Light and Free mode can be both activated by a smartphone, a card, a remote opening button and scheduled according to specific time.

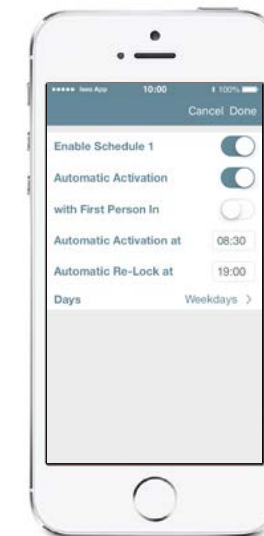
SCHEDULED PASSAGE MODE



With Argo App, x1R Smart allows you to set two schedules, in order to enable and disable the Passage Mode function automatically. That means that the x1R Smart will automatically operate in Passage Mode, according to program configuration.



Enable Scheduled Passage Mode in order to expand the two available schedules, then tap on Schedule 1 or Schedule 2 to enter the related programming menu.



Touch Enable Schedule 1 to start the configuration. At the end, touch Done.



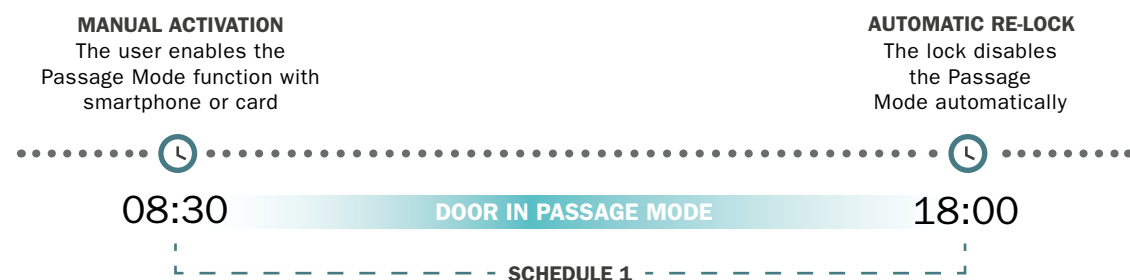
A padlock icon with an "L" inside indicates that the lock is now in Passage Mode.

x1R SMART

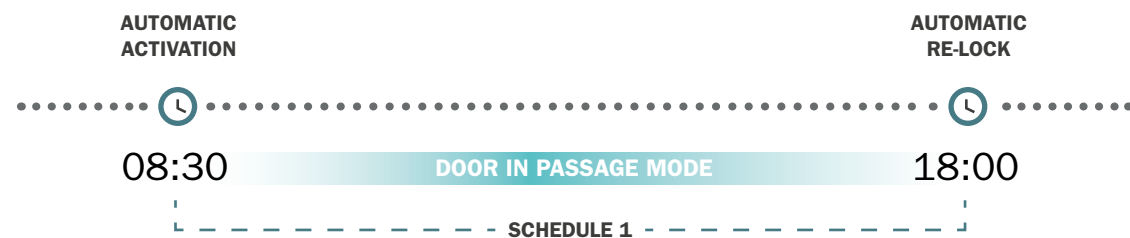
Scheduled passage mode

For each of the two programs, you can set three different behaviours, depending on your needs, as shown in the next examples:

1. PASSAGE MODE WITH AUTOMATIC RE-LOCK



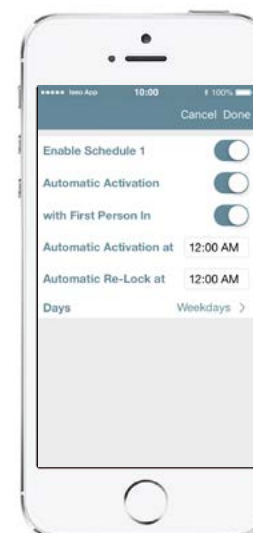
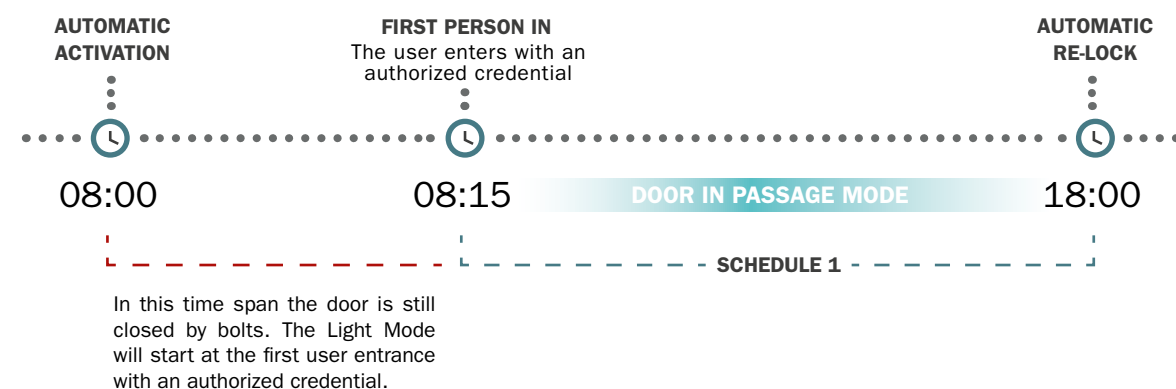
2. PASSAGE MODE WITH AUTOMATIC ACTIVATION AND AUTOMATIC RE-LOCK.



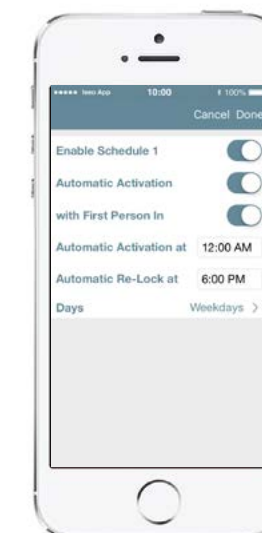
Note that Passage Mode can be Light (default) or Free as configured by Argo.



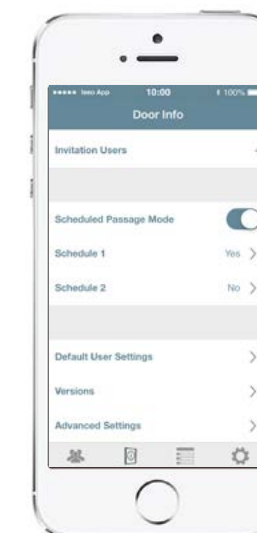
3. PASSAGE MODE WITH AUTOMATIC ACTIVATION AND AUTOMATIC RE-LOCK WITH FIRST PERSON IN.



Enable Schedule 1, Automatic Activation and with First Person In.



Set both the Automatic Activation and Re-Lock time, then touch Done.



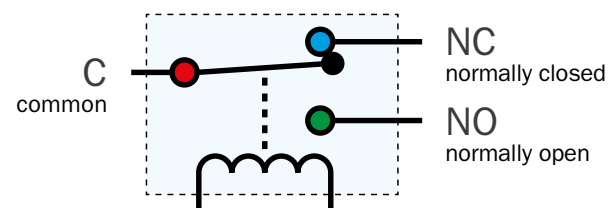
The Schedule 1 is now active as programmed.

x1R SMART

Technical features

DOOR STATUS SIGNAL

x1R Smart 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.



*Door status signal is only available with x1R Smart powered by external power supply.



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.

OPEN AS YOU LIKE: MULTISTANDARD CARD/TAG READER

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

1. 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 transmission between the card and the doorlock.



2. MIFARE CARDS AND TAGS (MIFARE CLASSIC, PLUS, DESFIRE)**



**Mifare cards and tags works by reading the card UID (Unique Identifier)

3. PIN CODES

x1R Smart can be also equipped with RFID reader with keyboard (optional), 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, by setting functions, time control and even time schedules.

PIN codes can also enable the Passage Mode by Argo App. The PIN with this function will automatically enable the Passage Mode in the door lock. To disable the Passage mode just type again the PIN code.

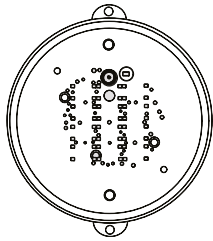
Note that Passage Mode can be Light (default) or Free as configured by Argo.

x1R SMART

Hidden External Reader

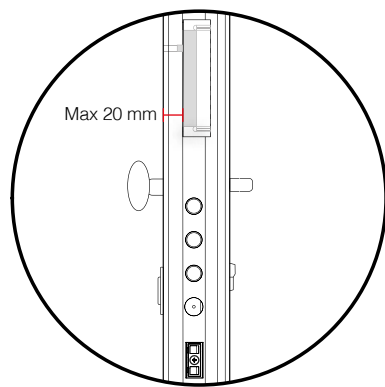


The Hidden External Reader is a Bluetooth and RFID reader, with no PIN option, that can be installed inside the door, in order to have from the outside a clean door surface solution (clean facade door).



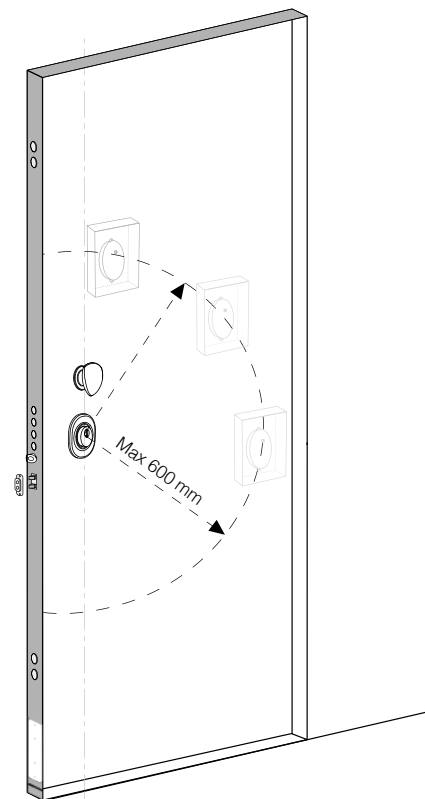
To ensure a good card reading, the reader must be placed inside the door following by the installation guidelines reported in the Installation Guide, which is provided with the product. In case of a door with metal panel, an additional metal box (optional) can be provided by ISEO. This box is properly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

LATERAL SIDE



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

EXTERNAL SIDE



x1R SMART

Power supply energy management



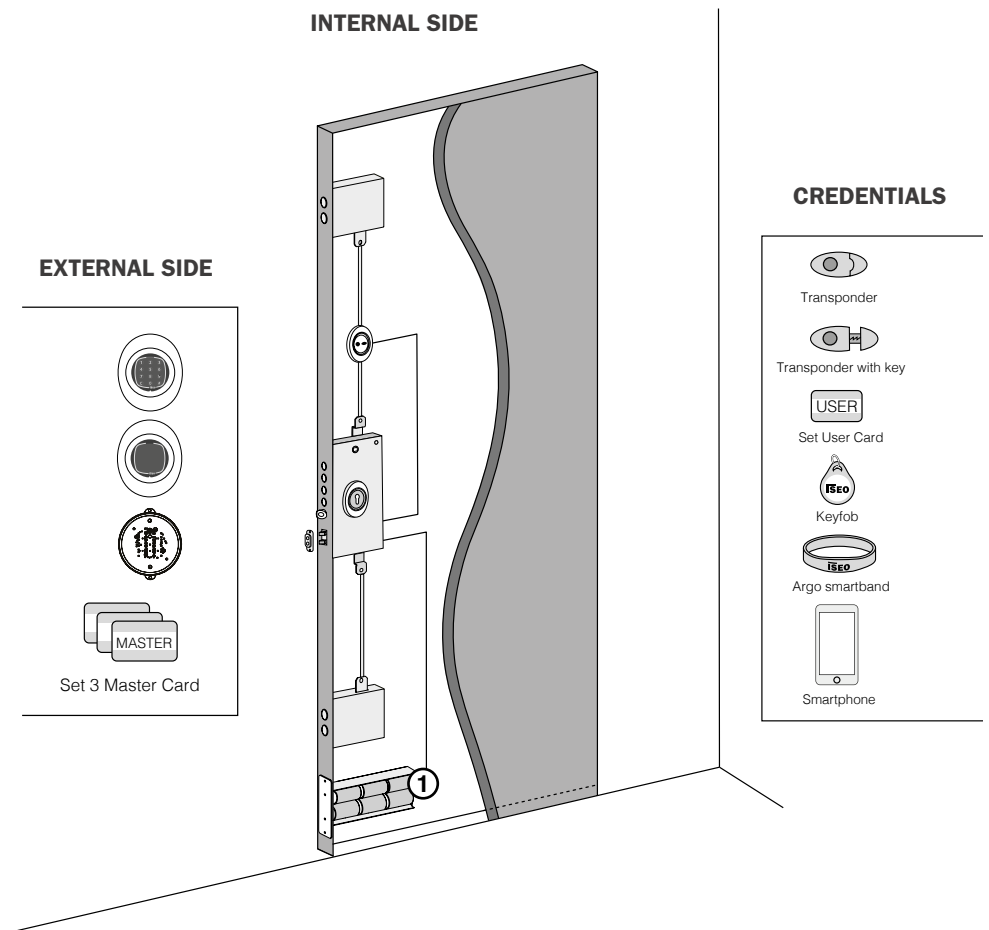
x1R Smart offers different power supply configurations to meet your installation type and energy management needs. There are three main configurations:

1. ALKALINE BATTERIES POWERED

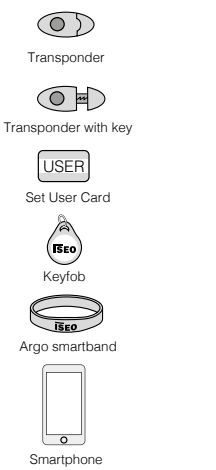
No wiring needed. The lock uniquely works by using the alkaline battery pack (1).

INTERNAL SIDE

EXTERNAL SIDE



CREDENTIALS





2. EXTERNAL POWER SUPPLY.

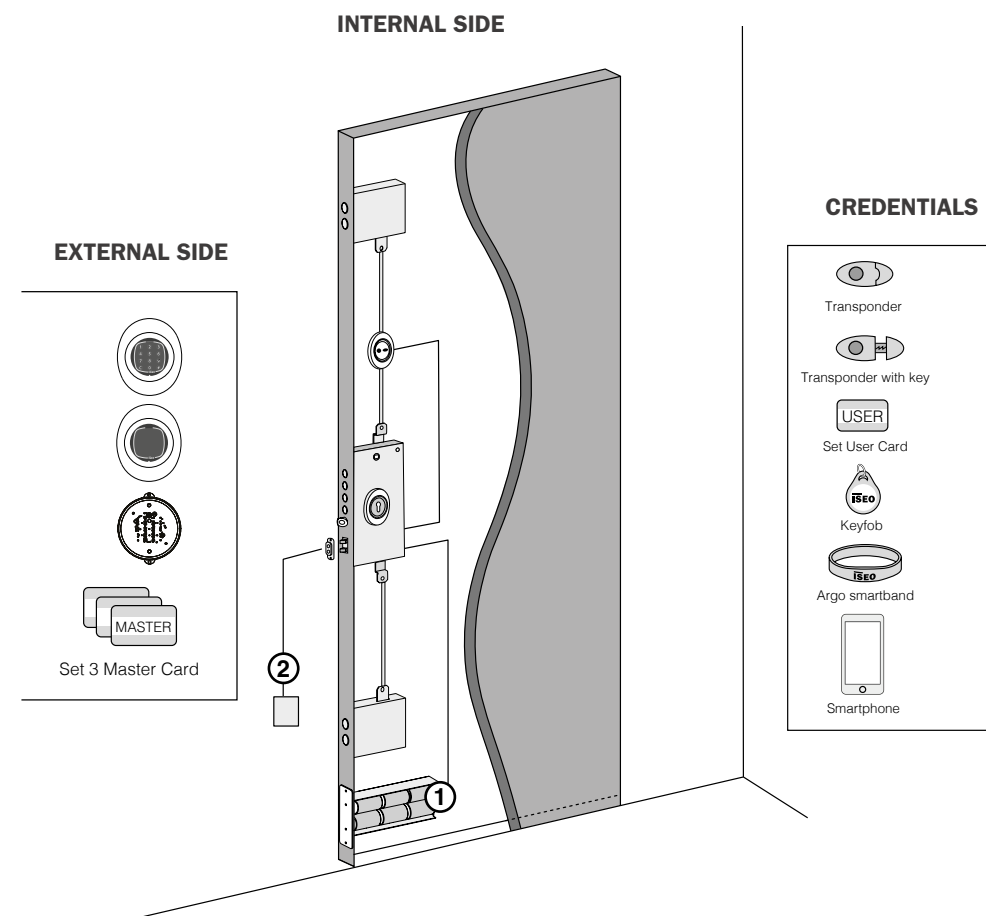
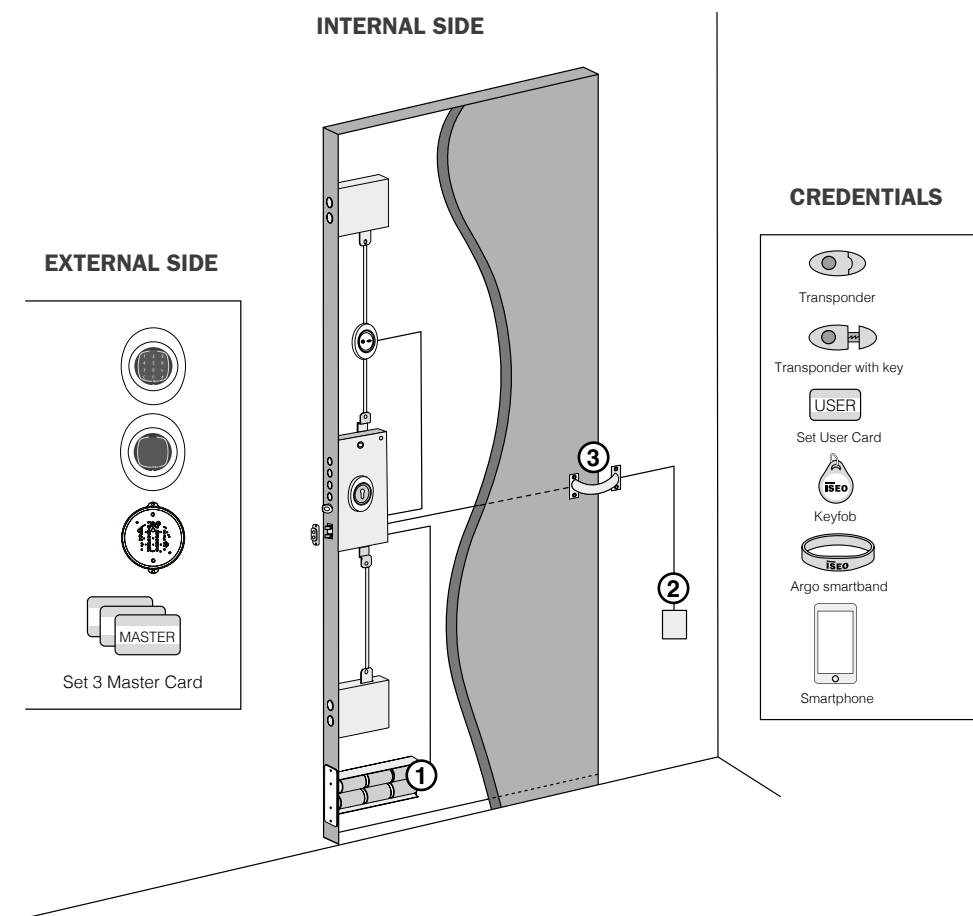
DC power is supplied by an external feeder connected to the mains (2). The power cable reaches the lock through the cable gland spring (3), usually placed in the hinges side of the door. It is suggested to use alkaline batteries as back-up (1-optional), in order to guarantee the operation of the lock 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 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[®]
www.iseo.com

Iseo Serrature s.p.a.
Via San Girolamo 13
25055 Pisogne (BS)
ITALY
iseo@iseo.com

ISEO Zero1

ITALY

Via Don Fasola 4
I-22069 Rovellasca (CO)
zero1-it@iseo.com
iseozero1@iseo.com

800-728722
ELECTRONIC SUPPORT SERVICE

GERMANY

ISEO Deutschland GmbH
zero1-de@iseo.com

0700-00473601
ELECTRONIC SUPPORT SERVICE

FRANCE

ISEO France s.a.s.
zero1-fr@iseo.com
+33 1 64835858

SPAIN

Cerraduras ISEO Ibérica S.L.
zero1-es@iseo.com

900-126356
ELECTRONIC SUPPORT SERVICE

ASIA

ISEO Asia Pacific SDN. BHD.
zero1-asia@iseo.com
+603 80753331

ISEO Beijing
zero1-cn@iseo.com
+8610 58698079

UNITED ARAB EMIRATES

Iseo Projects and Access Control DMCC
iseoprojects@iseo.com
+971 4 5136162

SOUTH AFRICA

ISEO South Africa (Pty) LTD
zero1-za@iseo.com

iseozero1.com

ISEO Serrature SpA improves continuously its security solution therefore the information contained in all marketing materials is subject to change without notice and does not represent any commitment on the part of ISEO Serrature SpA. ISEO Serrature SpA assumes no responsibility or liability for any errors or inaccuracies that may appear in this documentation.

MIFARE is a registered trademark owned by NXP Semiconductors. iOS is a mobile operating system developed by Apple Inc. iPhone is a smartphone range designed and marketed by Apple Inc. Android is a mobile operating system developed by Google Inc. Windows Phone is a mobile operating system of the Microsoft Corporation. Bluetooth Smart is a wireless technology designed and marketed by the Bluetooth Special Interest Group.

iseozero1@iseo.com