



x1R SMART

PRODUCT:

x1R Smart, the electronic motorized lock for armored doors of ISEO Zero1 product range, can be easily rekeyed with a Bluetooth Smart Ready phone: cards, tags or phones can be intuitively added or deleted using Argo, the ISEO smartphone application running on iOS or Android.

APPLICATION:

Argo App, available for iOS and Android, allows to add new opening devices like cards, tags or phones, retrieve events logs, delete lost/stolen credentials, and update x1R Smart to new software features.

KEY POINTS:

Opening occurs with the aid of a motor or the "Single Action" quick release and closing occurs through motorised action controlled by a next-generation microprocessor. In case of lack of power supply the operation of the deadbolt is guaranteed by the traditional movement of keys, equipped with a security system that is able to disconnect motorisation during operation of the mechanical cylinder. Locks of the x1R Smart series are interchangeable with the most common mechanical locks as they use the same mechanical accessories. The electronic accessories' "plug and play" electrical connections make installation extremely easy. The system is managed through Iseo Argo, an app available on iOS and Android which you can use to connect your smartphone via Bluetooth 4.0 Low Energy and manage all functions. It can be interfaced with the Iseo access control platform or a third-party system through opto-isolated Input/Output connections which can be used to control the operation modes and states for opening and closing. All models are available with different projections and bolt centre-to-centre distances for a vast interchangeability with mechanical versions. Escutcheons are available in various finishes. Thanks to the solidity of the mechanical structure it is classified at the maximum grade (7) for anti-intrusion protection (EN12209).

Different power supply configurations available:

- Alkaline batteries powered: no wiring needed. The lock uniquely works by using the alkaline battery pack.
- DC power supply via concealed cable gland/spring and alkaline batteries as back-up (optional).
- DC power supply via door sensor contacts and alkaline batteries.

Built-in relay to provide a "door state" NC/NO output contact. Also configurable as single pulse to activate, for example, a door closer.

Built-in opto-isolated input for a remote opening command, for example from an interphone key. Connectivity to Bluetooth Smart Ready devices without any plugin to be installed neither on the electronic trim set nor on the smartphone. It can be opened by RFID cards, pin-code and Bluetooth Smart Ready phones (iOS and Android).

Lost or stolen keys can be quickly deleted with Argo, an intuitive smartphone application available for:

- iOS from iOS 10
- Android from version 5.0 (Lollipop) featuring Bluetooth Smart Ready hardware.



TECHNICAL FEATURES:

RFID Reader:

- Multistandard 13,56 Mhz
- ISO14443A/ISO14443B (Mifare Classic/Plus/Desfire).

Bluetooth 4.0 Module:

- 2,4GHz Radio Board

Power Supply:

- Power supply unit 8-30Vdc, P = 30W
- 6 x 1,5V Alkaline Batteries "D" Type
- In line frame sensors

Opto-isolated input:

- 8-30Vdc/ac

Output relay:

- Contact rating (resistive): 30Vdc/Vac, 1A MAX

Battery life: (valid only for battery powered version)

- Up to 20.000 openings (*)
- 4 levels battery charge detection by the Argo App.

(*) Depending on usage, environment, options.

Software:

- Argo app available for Android and iOS.
- Automatic software upgrade: when update is available your phone notifies you and the new software will be automatically installed in the lock from your phone.

Versions:

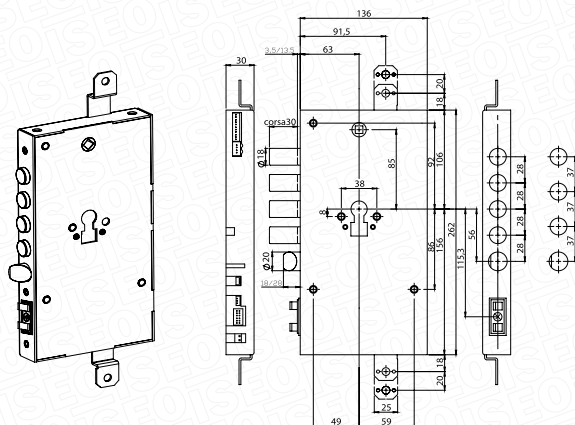
- Standard
- Single Action

Mechanical dimensions:

- Handle follower: 8mm
- Backset: 63mm
- Centre distance: 85mm

Functional modes:

- 5 functional modes to be set by the end user by the Argo App.



MAIN FUNCTIONS:

- Operates with Iseo cards or Legacy Mifare cards
- Memorizes up to 300 users (cards or phones)
- Stores the last 1000 events
- Connects via Bluetooth Smart to a Bluetooth Smart Ready phone
- Battery life up to 20.000* openings with battery low warning signal
- Allows passage mode (office mode)
- Remote opening and communication with Bluetooth Smart Ready phone from 10 meters
- Software upgrades on site via Bluetooth Smart Ready phone
- Multistandard contactless RFID readers ISO14443/A and ISO14443/B - 13,56 MHz
- Wake up by RFID card detection (patented) or Real Time Clock
- Battery charge status
- Real Time Clock/Calendar
- Detection sensors for motor, internal handle, bolts and latch movements
- Mechanical key detection
- Quick and easy installation
- Light and acoustic signals
- On-site software upgrading

Argo is the ISEO App that allows you to open doors as well to easily manage access authorizations. Argo runs in any Bluetooth Smart Ready phone with iOS or Android. There is no additional software to install: it is just your door lock and the Argo App. It works even without internet connection as Argo App connects directly to the doorlock with the latest encryption protocols ensuring the highest security in data transfers.

Users can open doors:

- with phone
- with phone protected with pin code
- with phone from remote up to 10 meters
- and still with cards or tags

In addition they can:

- temporarily block the standard users allowing access only to VIP users
- set the door in passage mode (office mode)
- get early notification of availability of new software for the doorlock.

Administrators manage access authorizations to doors:

- adding new users (cards, tags or smartphones)
- removing users
- transferring user lists to other doors

In addition they can:

- read door events and track users passages
- read the doorlock status
- add doorlock new features with simple Software (Firmware) upgrades.

(*) Depending on usage, environment, options.

TECHNICAL FEATURES:

Opening commands:

- Bluetooth 4.0 by the Argo App
- RFID reader
- Keyboard
- External powered contact/button
- Bluetooth 4.0 RFID reader.

Finishes (faceplates):

- Inox
- Polished Inox
- Satin brass
- Polished brass

Mechanical lock case

compatibility:

- Euro profile cylinder hole (EN1303, DIN18252)

Environmental characteristics:

- Operating temperature: from -20°C to +70°C
- Storage temperature: from -20°C to +70°C, H.R. Max. 95% without condensing.
- IP lock protection grade: IP44

Certification UNI EN 14846:

Leves 3 X 9 E 0 P 7 1 3

MIFARE is a NXP Semiconductors-owned trademark.

iOS is a mobile operating system developed by Apple Inc.

iPhone is a line of smartphones designed and marketed by Apple Inc.

Android is a mobile operating system developed by Google Inc.

Bluetooth Smart is a wireless technology designed and marketed by the Bluetooth Special Interest Group.