

Aries Smart



Rev.1.0_UK

2016 January 11

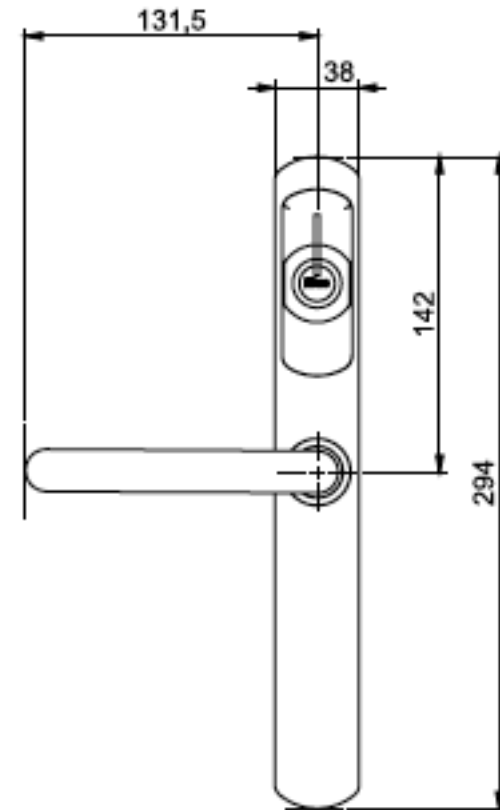
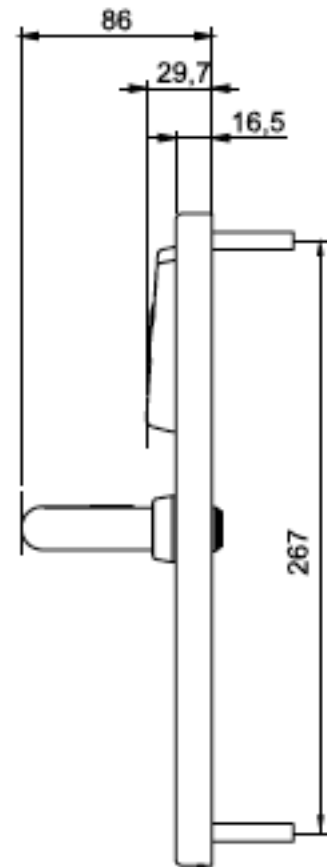
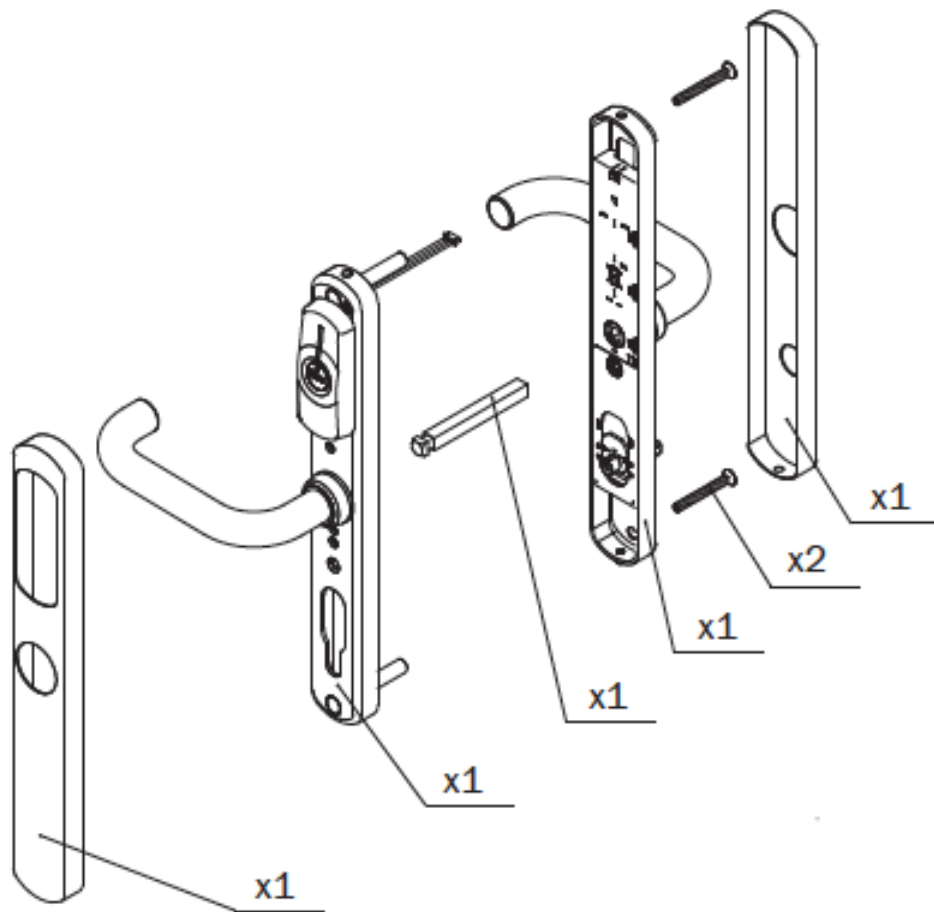


Aries Electronic Trim

- Stand-alone battery operated access control device
- Cost effective solution for door access management
- No wiring required
- Narrow Profile (38 mm) and general small dimensions
- Adaptable to the mechanical mortice locks with standard spindle dimensions (7,8,9 mm)
- Compatible with most mechanical mortice locks:
 - Wooden doors
 - Aluminum frame doors
 - Metal doors
 - PVC Doors
- Installation with only 2 holes on existing locks



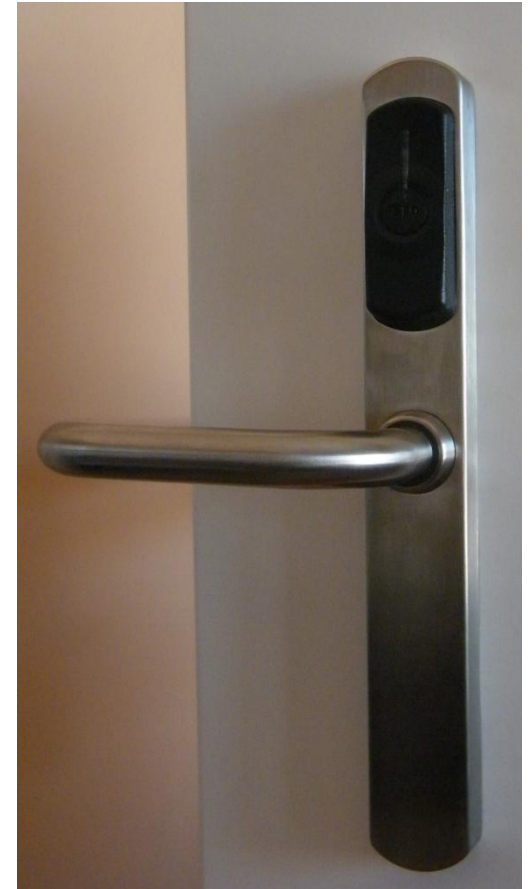
Dimensions



External Trim Plate

The outside trim plate is composed by:

- Card Reader RFID
- Multicolor LED signals (Red / Green)
- Free rotating handle: only after a valid RFID card presented to the reader the handle engages and is able to open the door
- mechanical cylinder hidden (or visible as option)
or
- external emergency power supply connection
- aesthetic cover in 4 available finishes



Internal Trim Plate

The inside trim is composed by:

- a handle always connected with the spindle: the handle always opens the door;
- an optional privacy knob;
- a hidden battery holder:
- an aesthetic cover in 4 available finishes.



Finishes

The aesthetic cover and the handles are available in 4 finishes:



**Satin
Brass
(PVD)**

**Polished
Brass
(PVD)**

**Polished
Stainless
Steel**

**Stainless
Steel**

ISEO Zero1

**ELECTRONIC
SOLUTIONS**

Retrofit Installations

Installation with **2 fixing holes**

Easy Retrofit **over the existing mortise locks.**

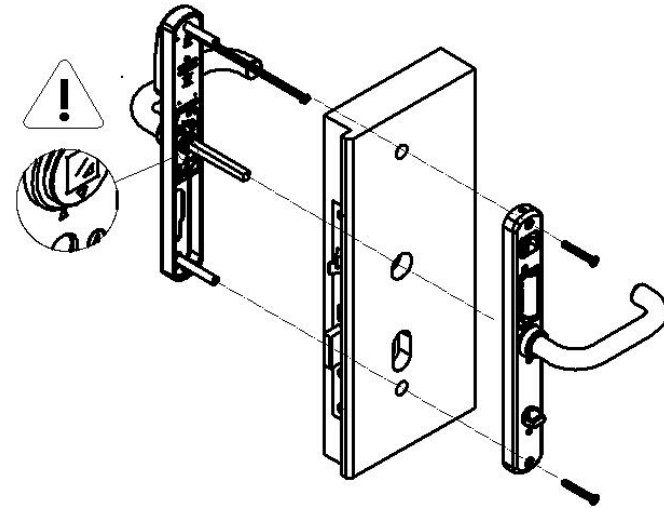
Compatible with any mechanical lockcase with the following features:

- 8 mm follower (*);
- Center distance between handle follower and cylinder: 70, 72, 85 and 92 mm;
- Minimum backset 25 mm (**);
- Latch only or with automatic deadbolt;
- Euro profile cylinder hole (if present).

Cover plate for existing holes on the door
70 mm large and 312 mm long
in composite material

(*) also 7mm and 9mm with adapters

(**) to be checked on the door.



Wooden doors Iseo Lock

The electronic Trim is able to be adapted to various mechanical mortise locks.

Iseo have introduced for this also a new mortise lockcase for **wooden doors**.

Characteristics:

- 55 mm backset
- 85 mm center distance follower/cylinder hole
- Splitted latch
- Antipicking device (reversible)
- 18 mm extension deadbolt
- Automatic deadbolt function
- Single action function on handle (antipanic)
- Round or Square front plate

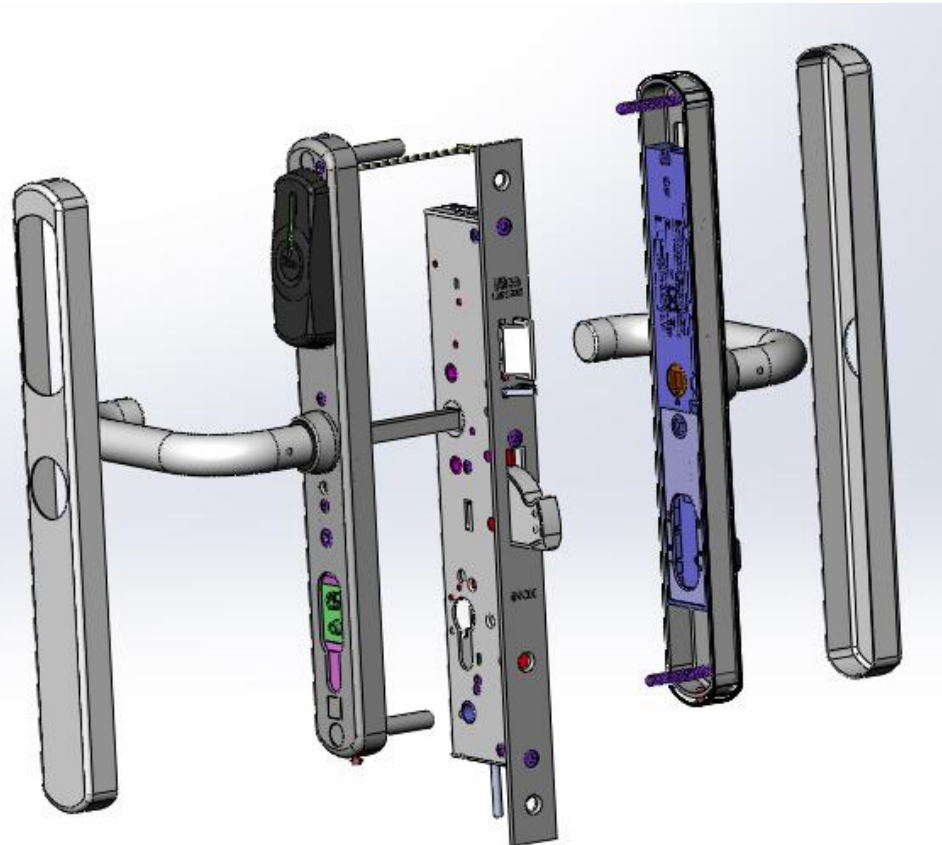


Metal doors Iseo Lock

The electronic Trim is now able to be used together the new **EASY single-point** mechanical lock.

Characteristics:

- 35/40 mm backset;
- 92 mm center distance follower/cylinder hole;
- 24 mm swing bolt deadbolt;
- Automatic deadbolt function;
- Single action function on handle (antipanic);
- Square front plate;



Emergency Cylinder

The optional emergency cylinder is located hidden (visible option available) under the aesthetic cover. It can be used to open the door in case of battery failure or any malfunctioning of the electronic trim. The usage of the emergency cylinder is detected by the electronic trim.

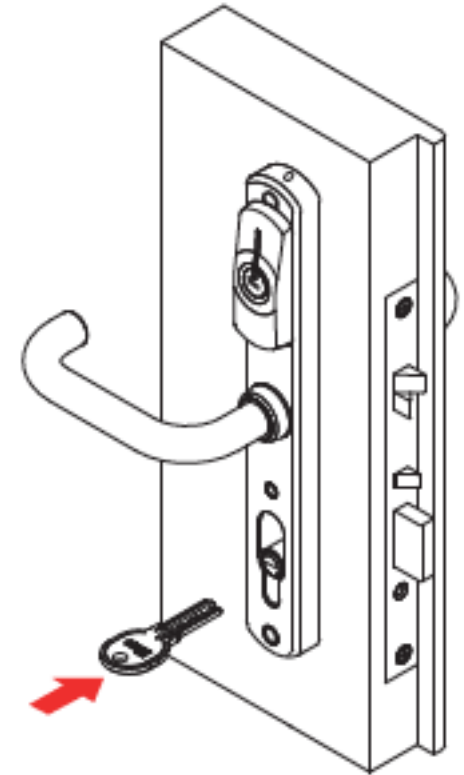
Main characteristics:

Standard:

- R90 Factory Monoprofile xx-10
- 3 time recodable
- KA on the same plant

Optional (future):

- R6 new Monoprofile xx-10
- non recodable
- KA on the same plant

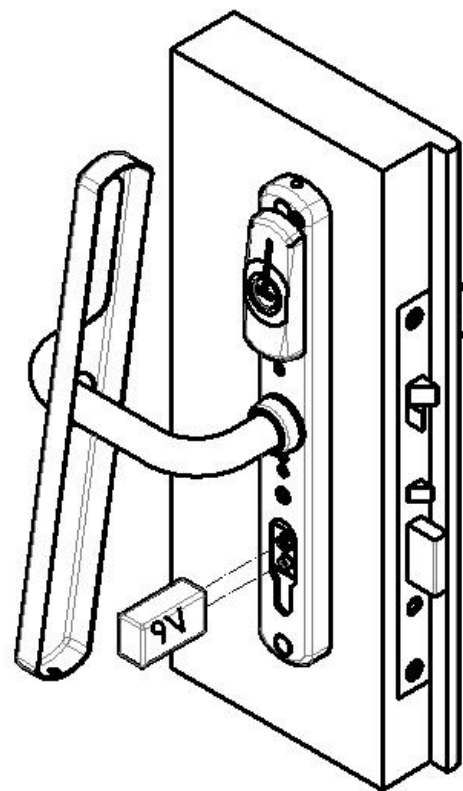


Emergency Power supply

In case a mechanical emergency override is not installed it is mounted an external Emergency Power Supply to be able to open the door in case of battery failure.

The external power supply is installed under the aesthetic cover in the emergency cylinder position.

A standard 9V battery is used to supply emergency power supply, so no need to have a dedicated device.



Privacy Function

The privacy button (optional) is used to set a privacy status on the electronic trim from the inside.

To SET the privacy rotate the button in horizontal position.

To RESET the privacy rotate the button in vertical position.

The privacy is automatically RESET every time the lock is opened from inside or outside.



Privacy
SET



Privacy
RESET

Card Reader

RFID Card Reader

The reader is a multistandard 13.56 Mhz RFID cards and Tag reader.

It is compatible with the following standards:

- ISO 14443A (Mifare);
- ISO 14443B
- NFC (card emulation and Peer To Peer)

Wakeup system

The patented wakeup system guarantee an efficient battery energy saving without any environmental influence.

Signals

Visual with Multicolor LED

Acoustic with Buzzer.

Firmware download

The firmware is downloadable without opening the cover (via RFID)



Batteries

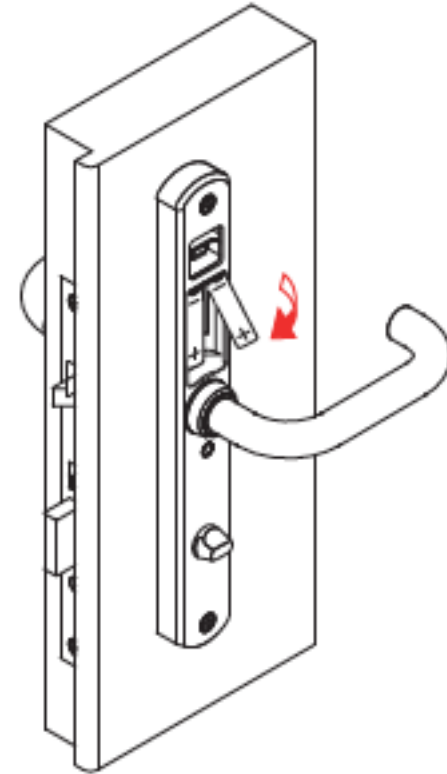
The electronic trim is powered by two lithium battery AA (3.6V).

The battery holder placed in the inside trim under the eastetic cover.

The battery life is calculated on 5 years or 50.000/60.000 openings (*).

The electronic trim has a multilevel battery charge detection to allow a proper and in advance alert to change the battery.

(*) operations can vary depending on time usage and on operational temperature.



Handle sensors and Office Mode

Handle movement detection

The electronic trim is able to detect inputs and movements on the door: the application software can use them accordingly to the needed functionalities.

- External handle movement;
- Internal handle movement;
- Internal privacy button;
- Emergency mechanical cylinder.

Office mode (permanent open mode)

The clutch mechanism is able to put the electronic trim in permanently open also in sleep mode (low consumption).

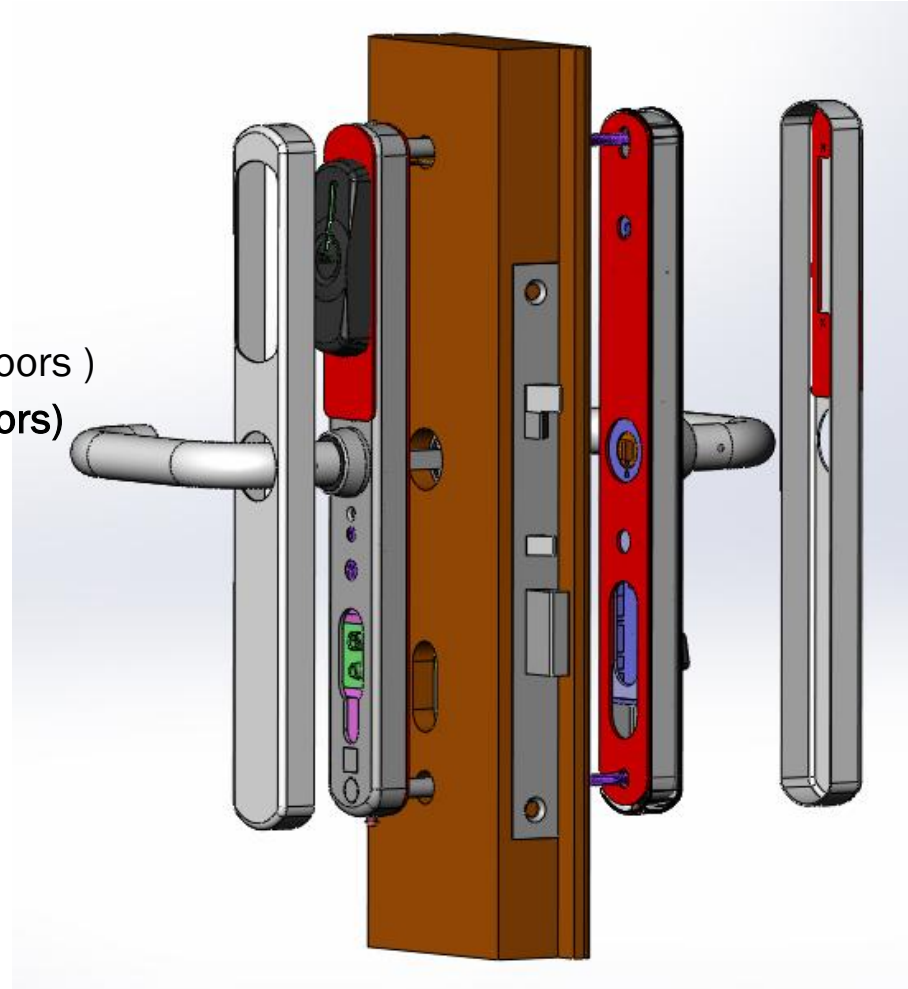
The office function can be activated in two ways:

- by the user with a special card or sequence of cards;
- by the cylinder itself based on memorised timetables.

Version IP55 All weather

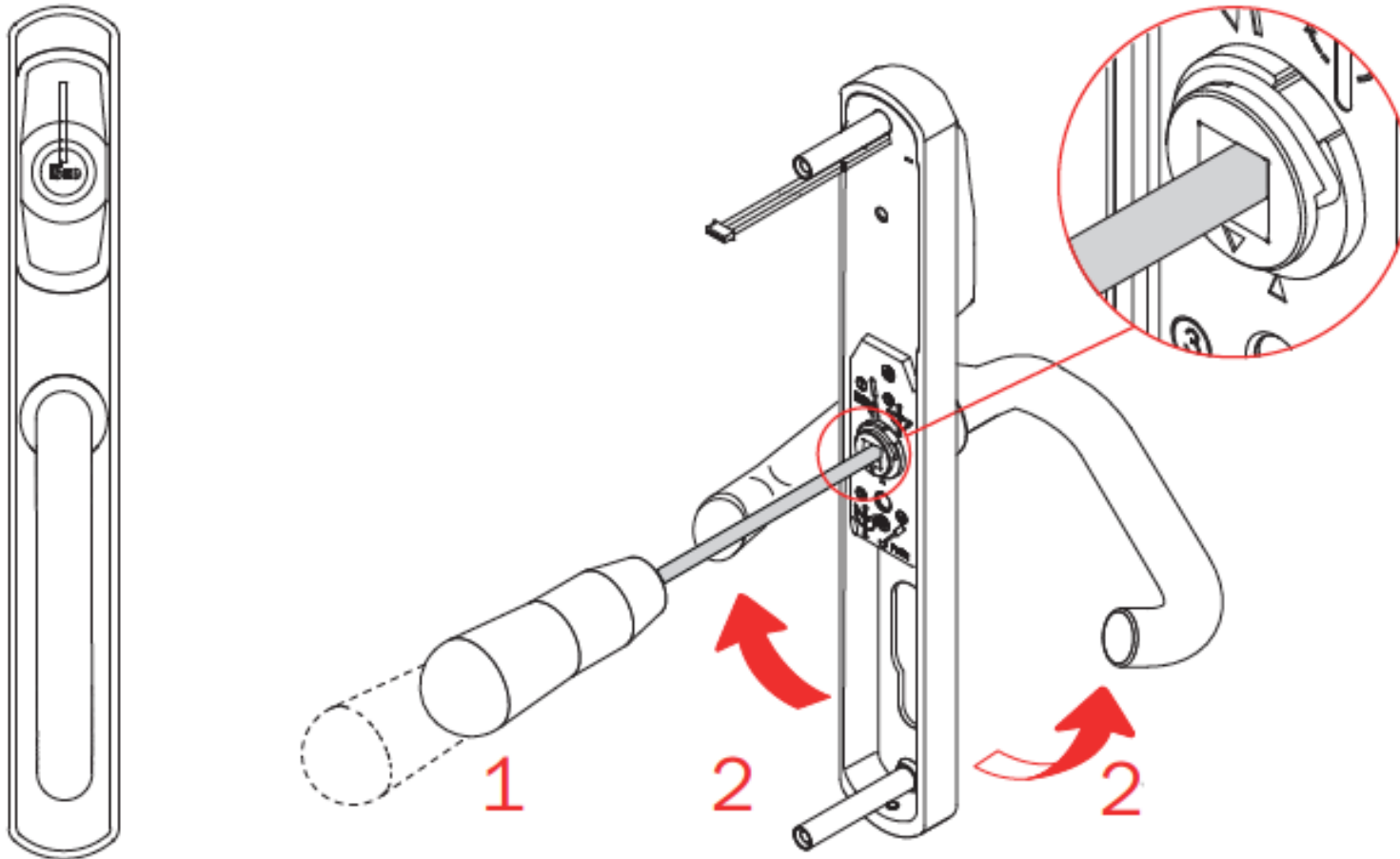
Ingress Protection grading

- IP 54 – for protected installations (internal doors)
- IP 55 – for outdoor installations (external doors)
- Operating Temperature: -20°C to +60°C
- Storage Temperature: -25°C to +75°C

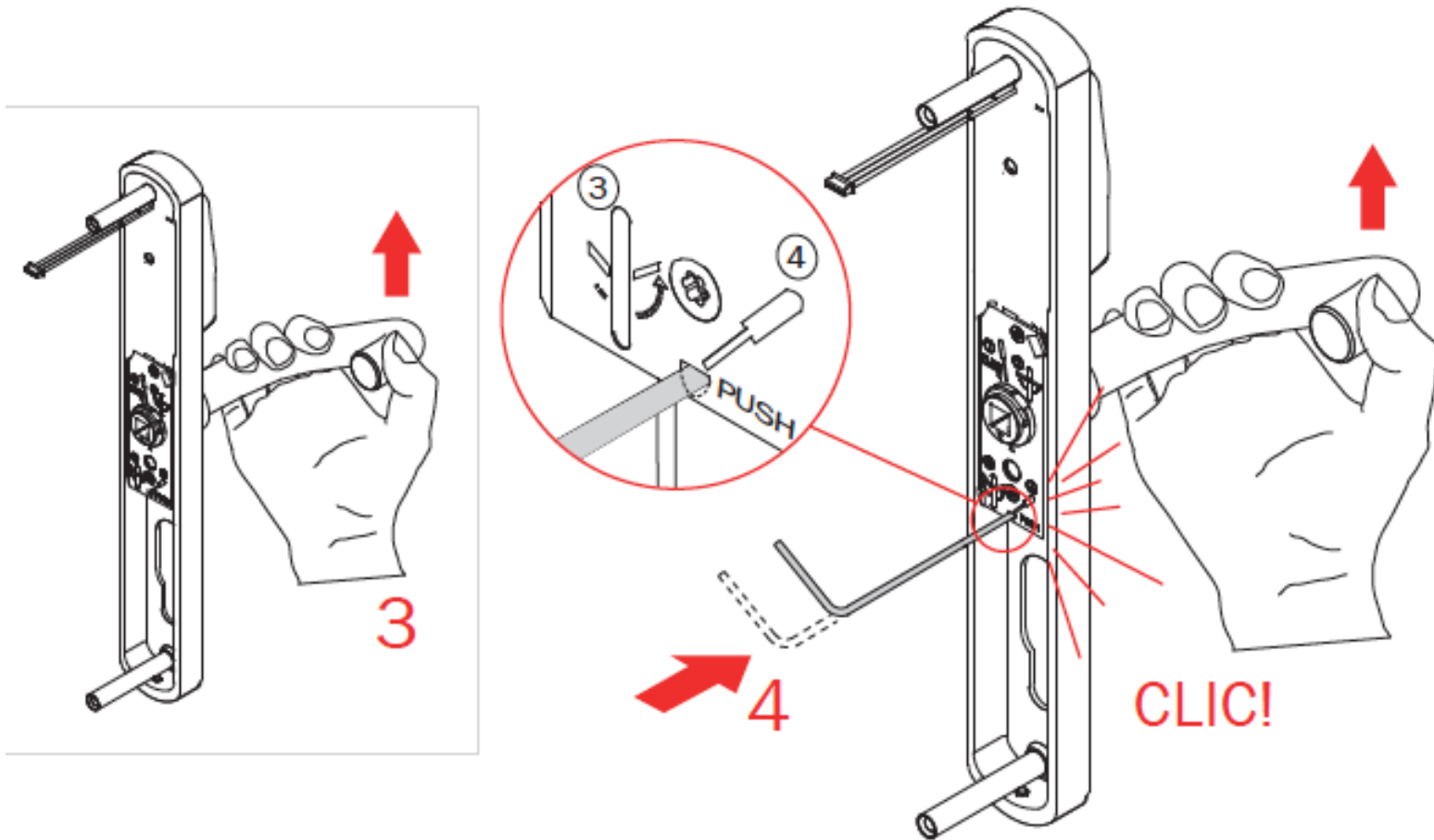


Reversible Handle 1/2

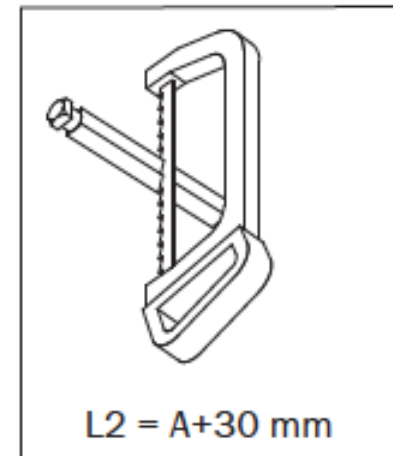
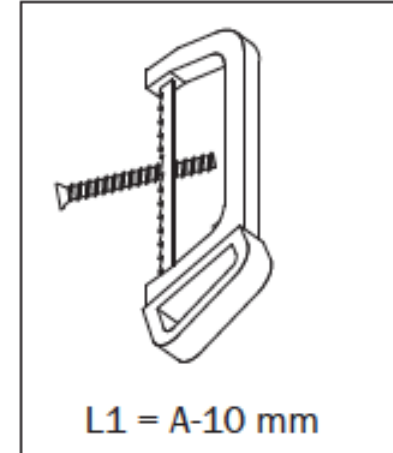
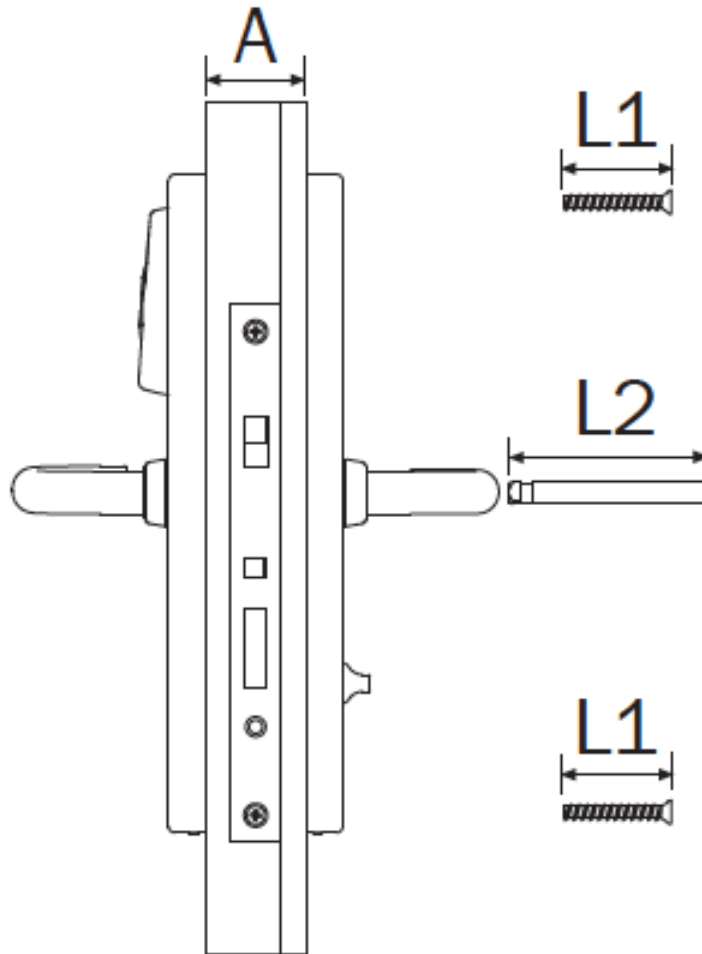
The electronic trim can be adjusted to «left» and «right» hand with just 2 operations.



Reversible Handle 2/2

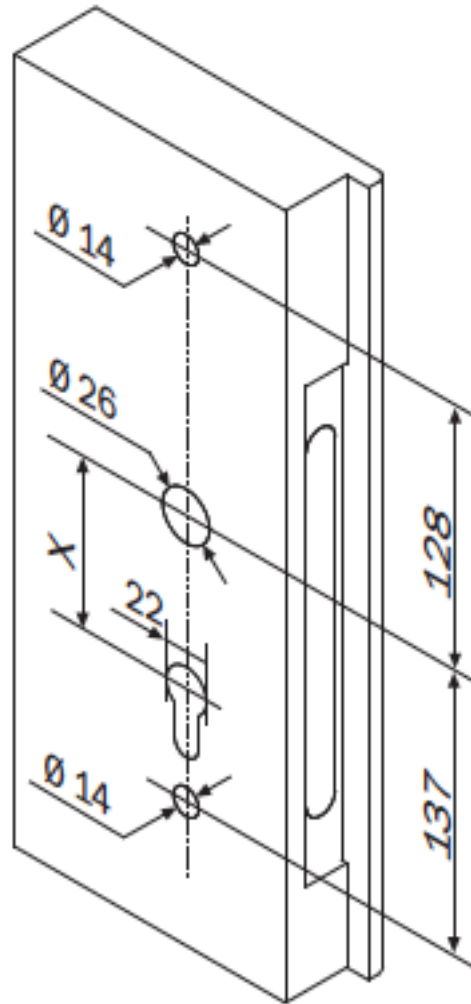


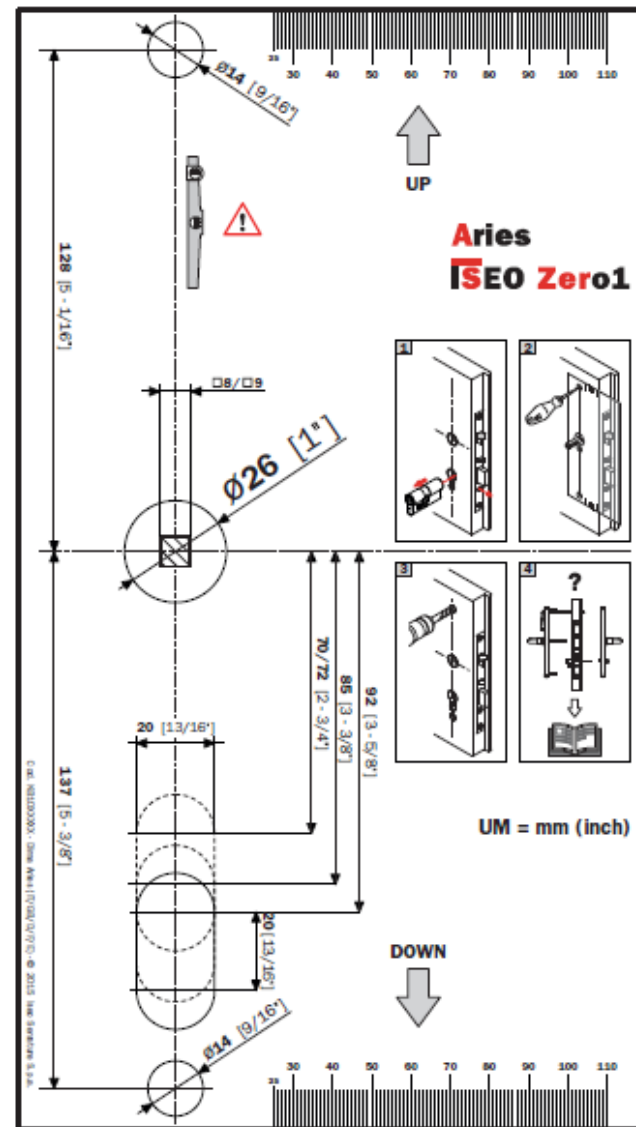
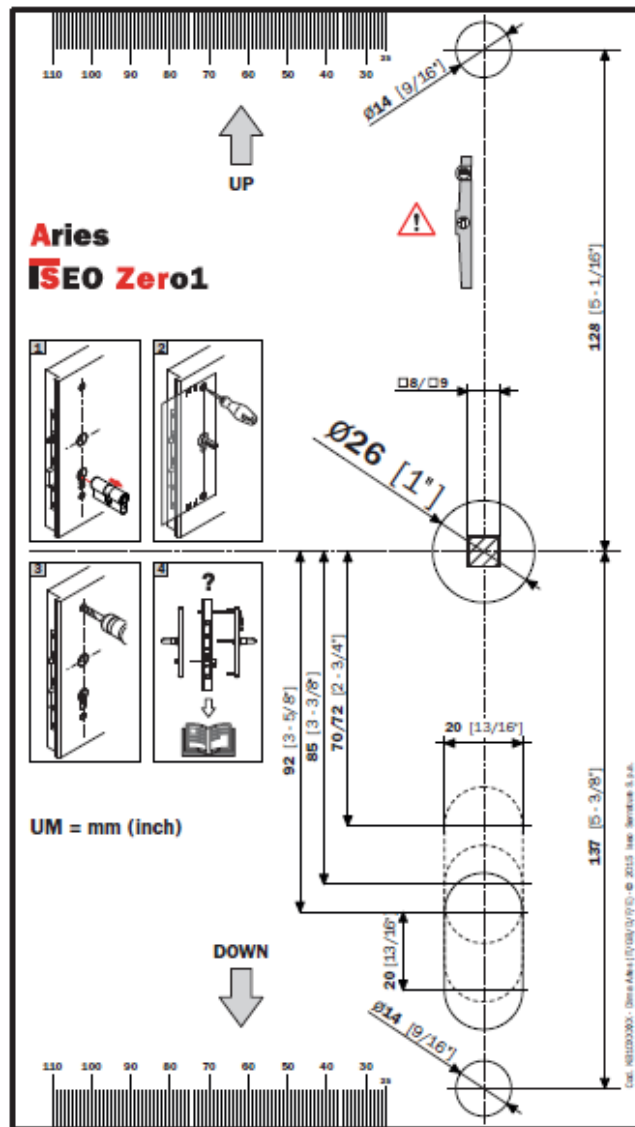
Door Thickness



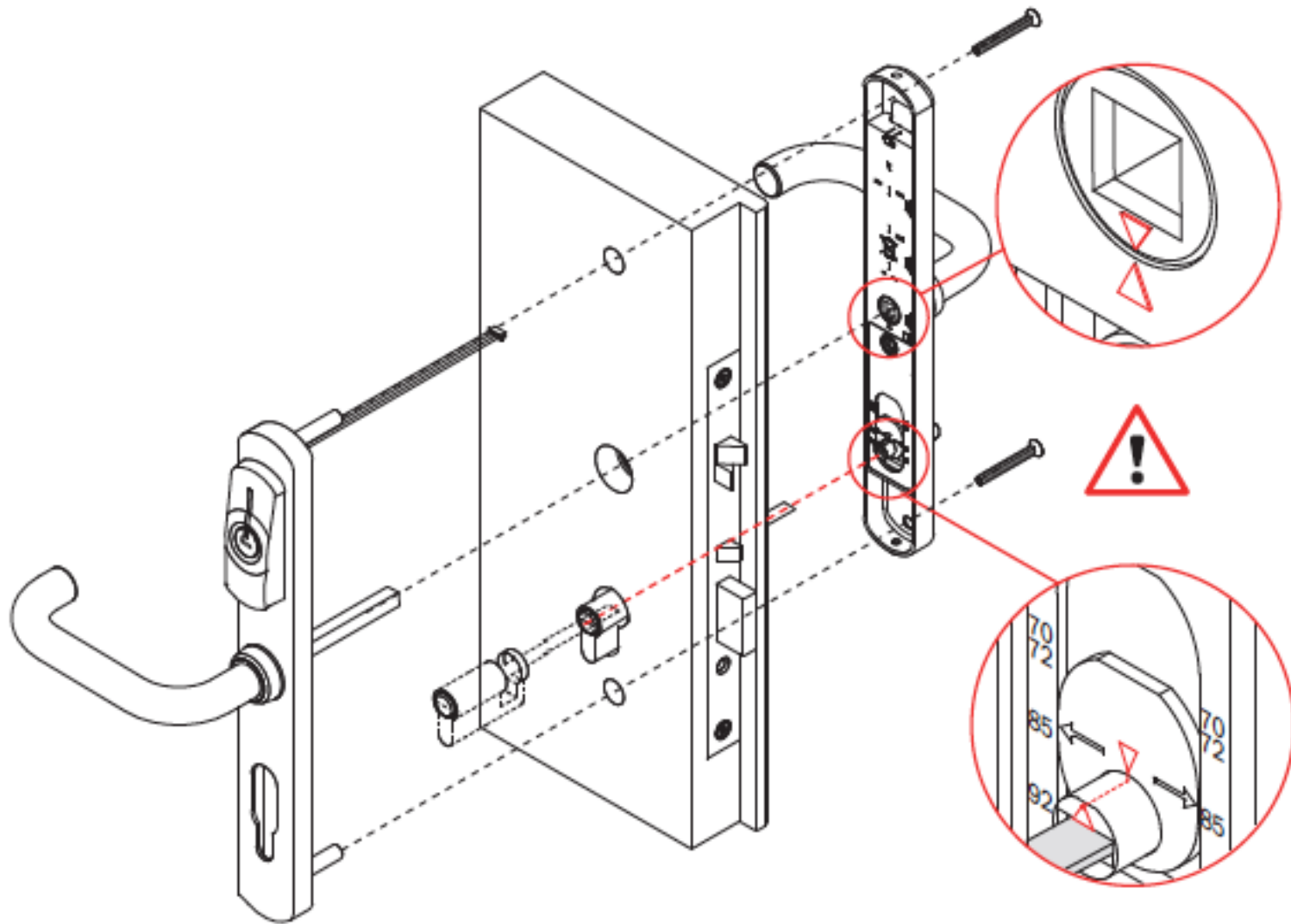
- min.40 , max 85 mm = standard screws and spindle set
- min.85 , max 120 mm = special screws and spindle set

Door preparation

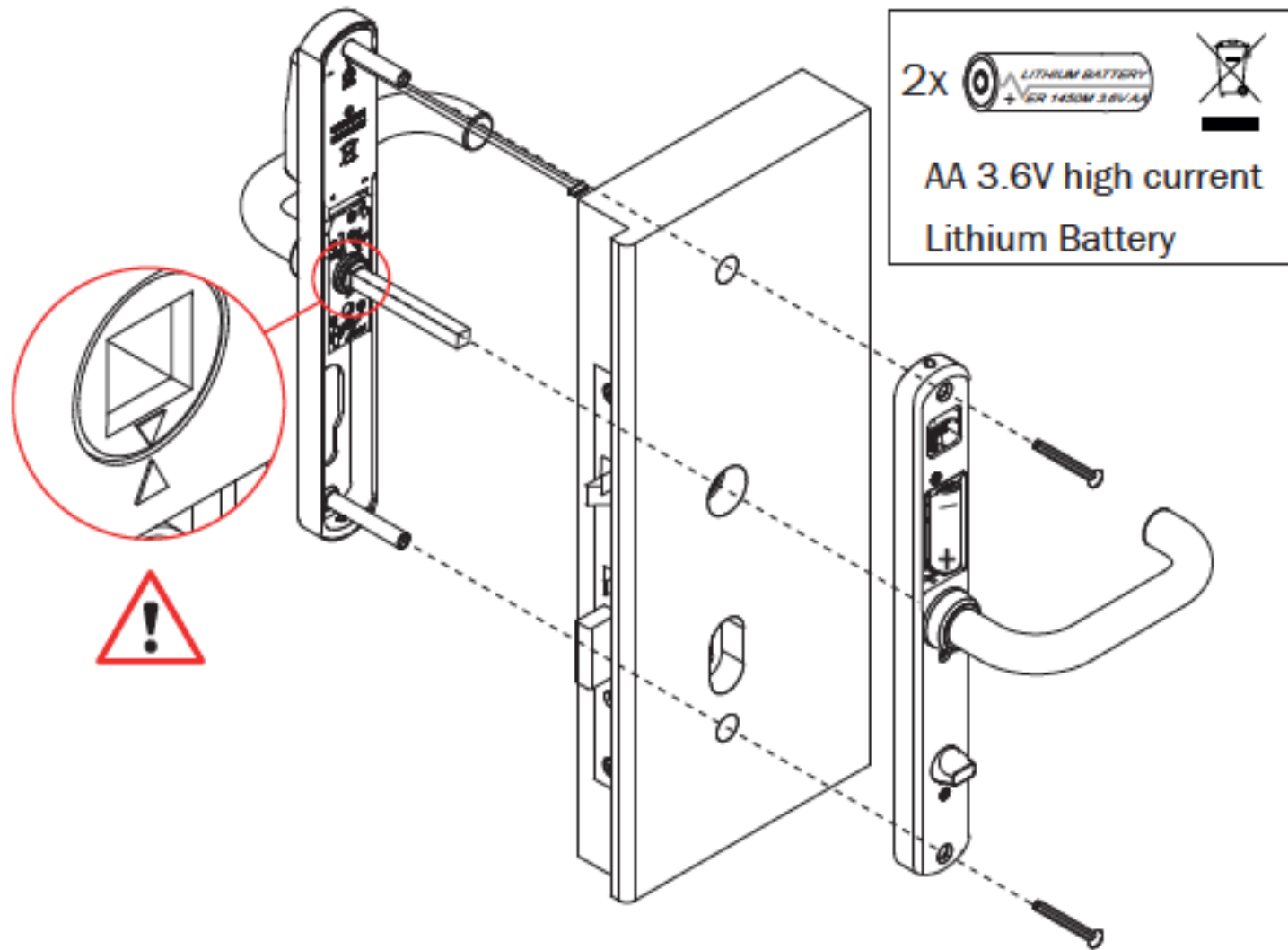




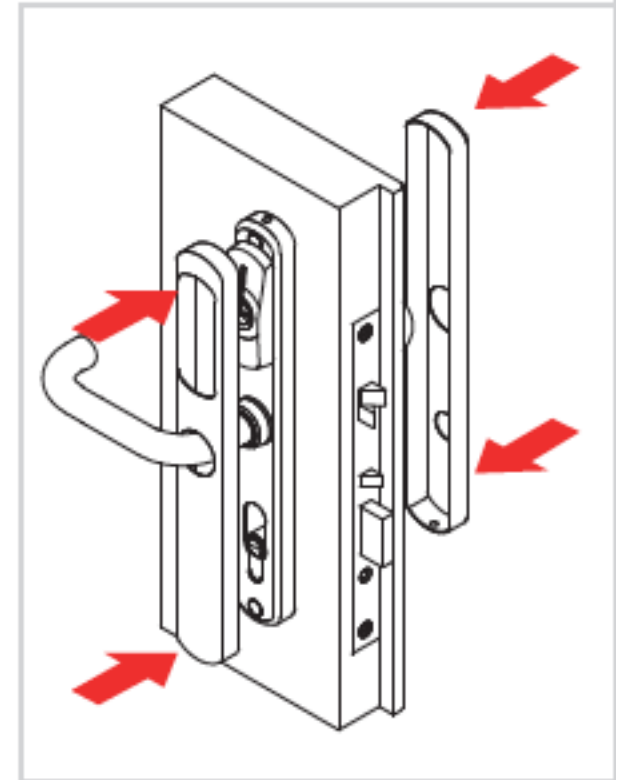
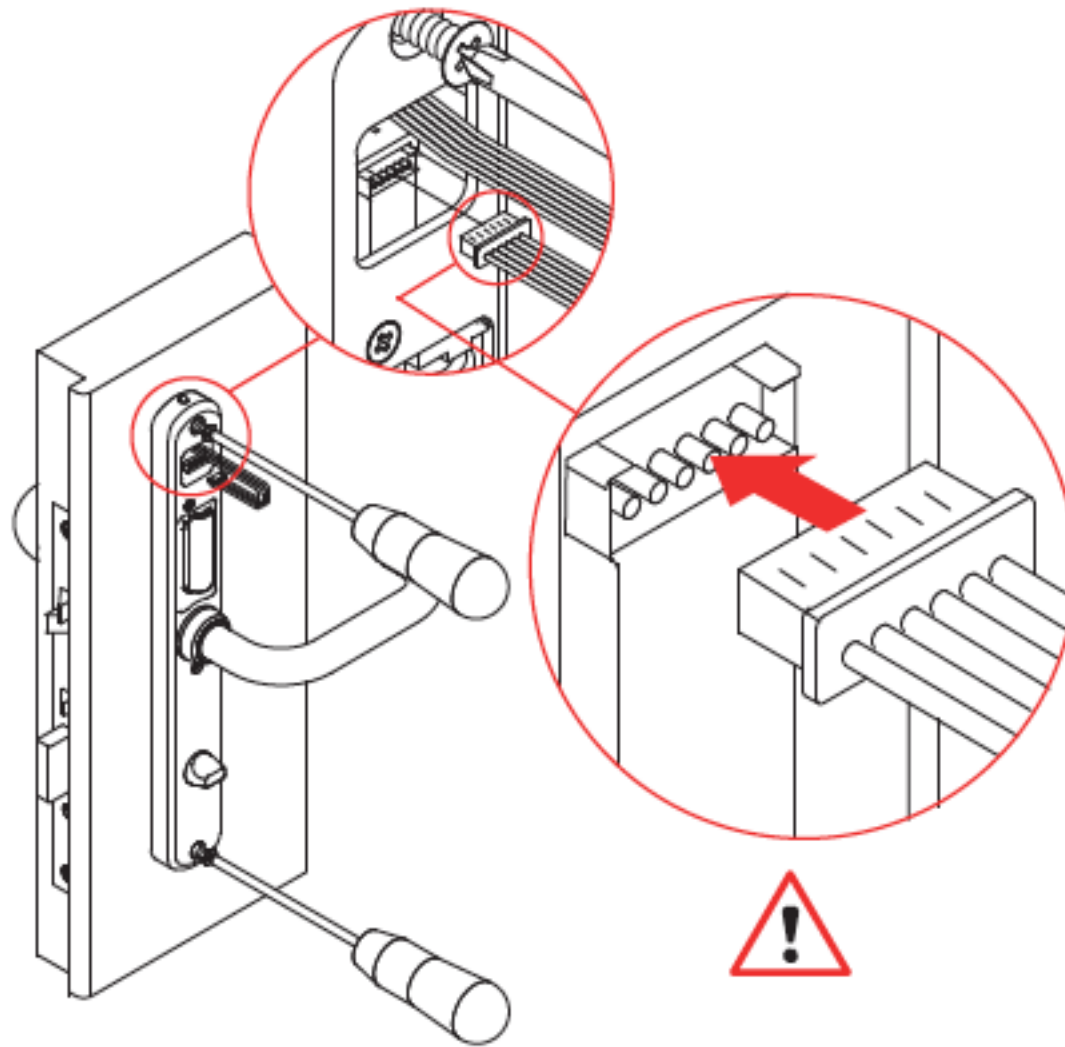
Installation 1



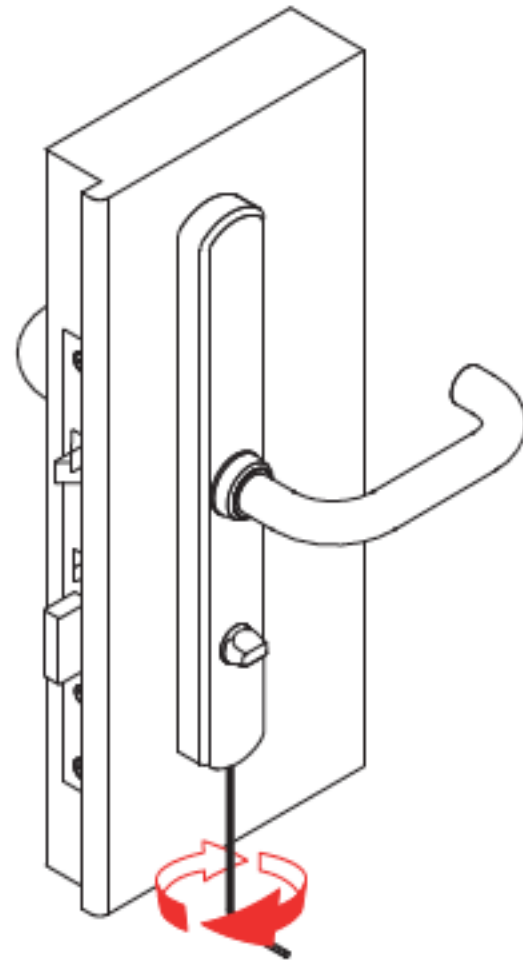
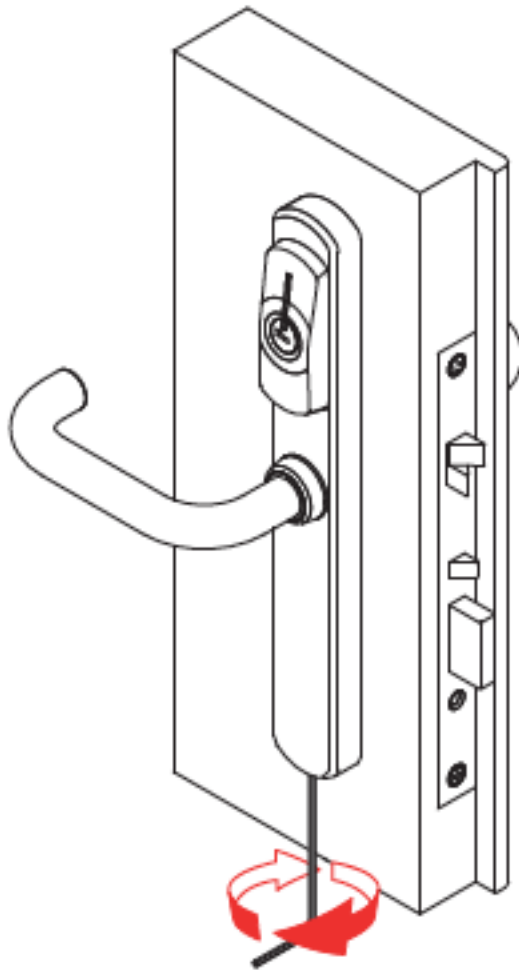
Installation 2



Installation 3



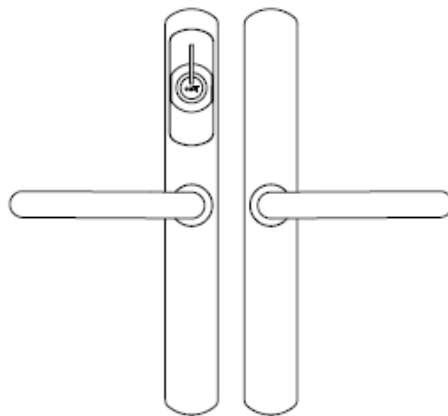
Installation 4



ARIES – EN179

With Easy Lateral

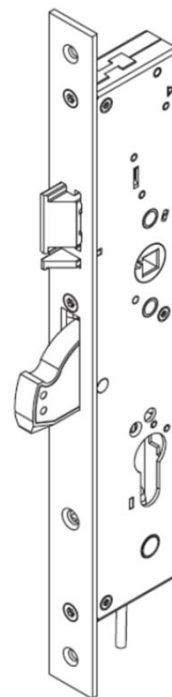
EN179



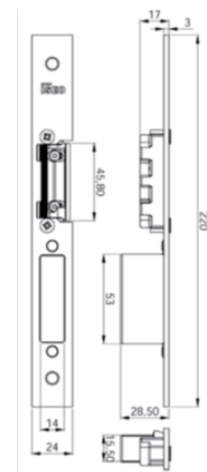
Note: Aries is considered as internal command



Easy Lateral



Backplates
03320*

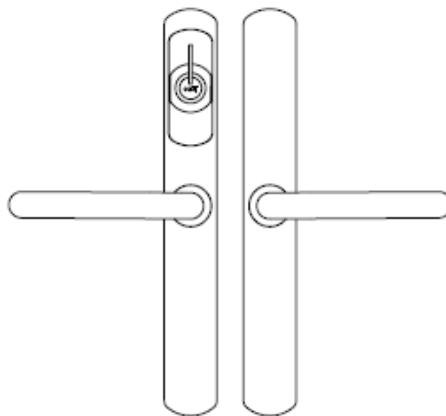


ARIES – EN179

For Firedoor

EN179 =

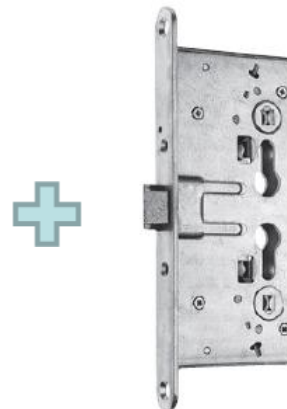
Aries



Note 1: Aries is considered as internal command

Note 2: on firedoors, Aries need to be completed by an underplate in order to use existing lock holes and avoid drilling new holes.

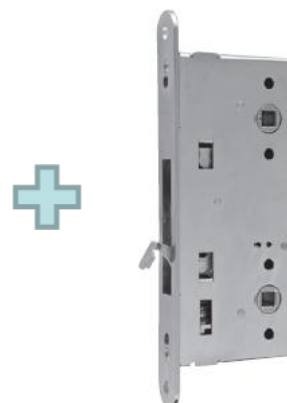
Panic function 214*



Backplate
032094



Lock 2126/7



Rod stopper



ARIES – EN1125

With Easy Lateral

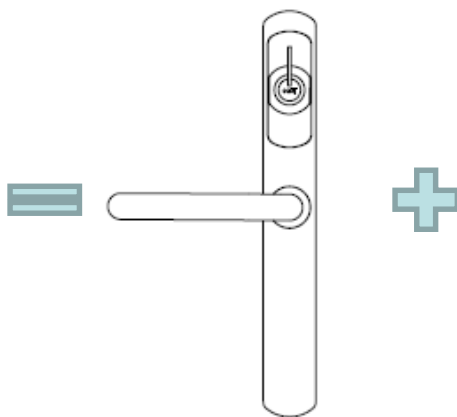
Aries

Pro Exit

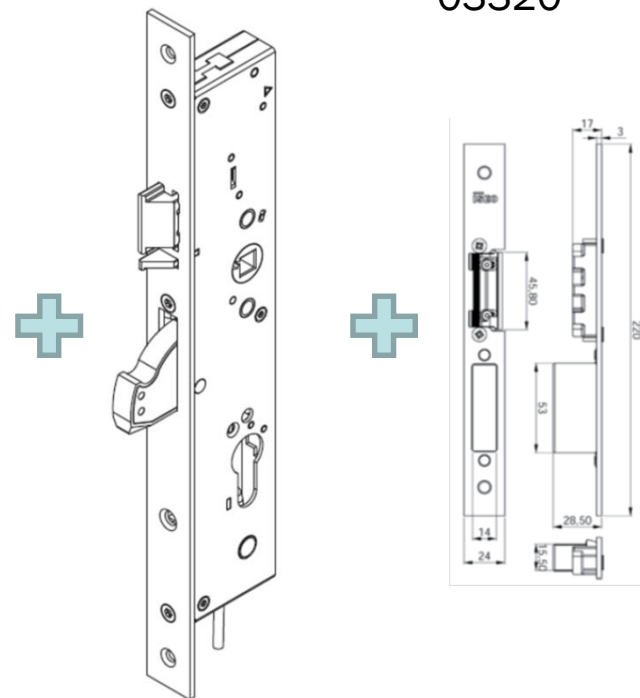
Easy Lateral

Backplate
03320*

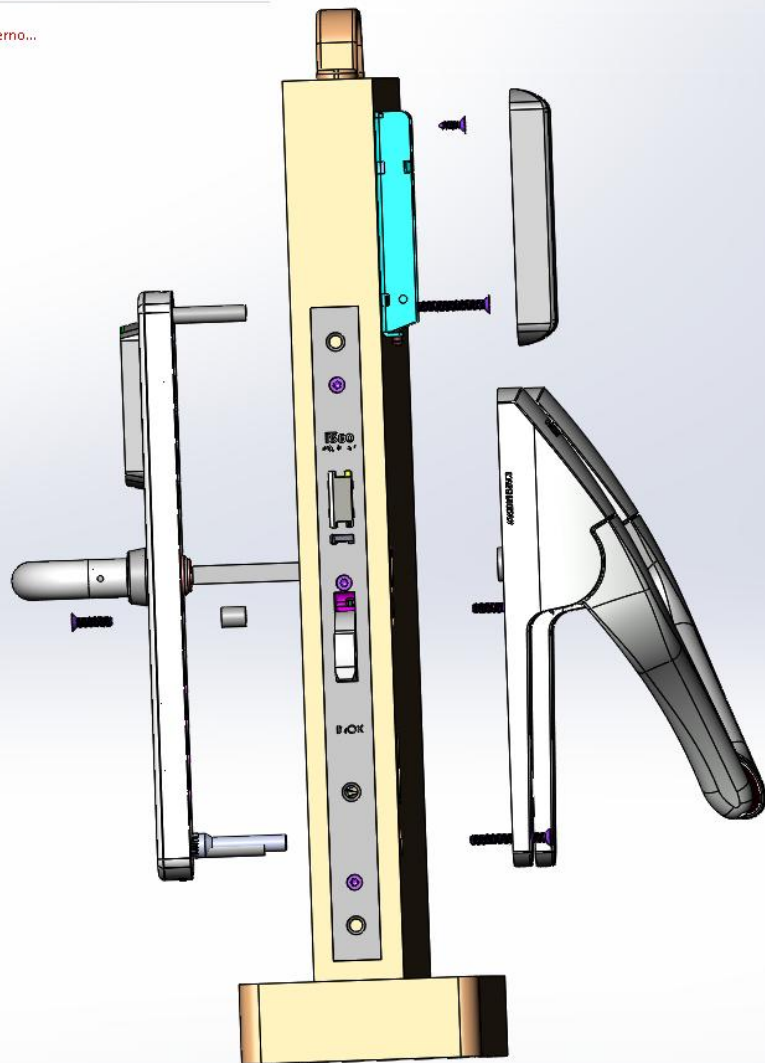
EN1125



Note : Aries is considered as external command



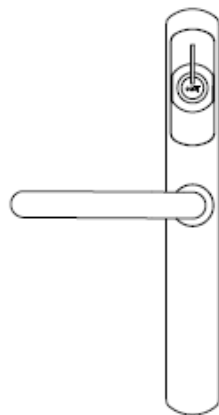
Aries + Pro Exit + Multiblindo Easy



ARIES – EN1125

For Firedoor

EN1125



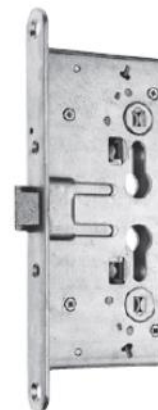
Aries



Idea Base/Push
Palmo/Push



Panic function
214*



Backplate
032094

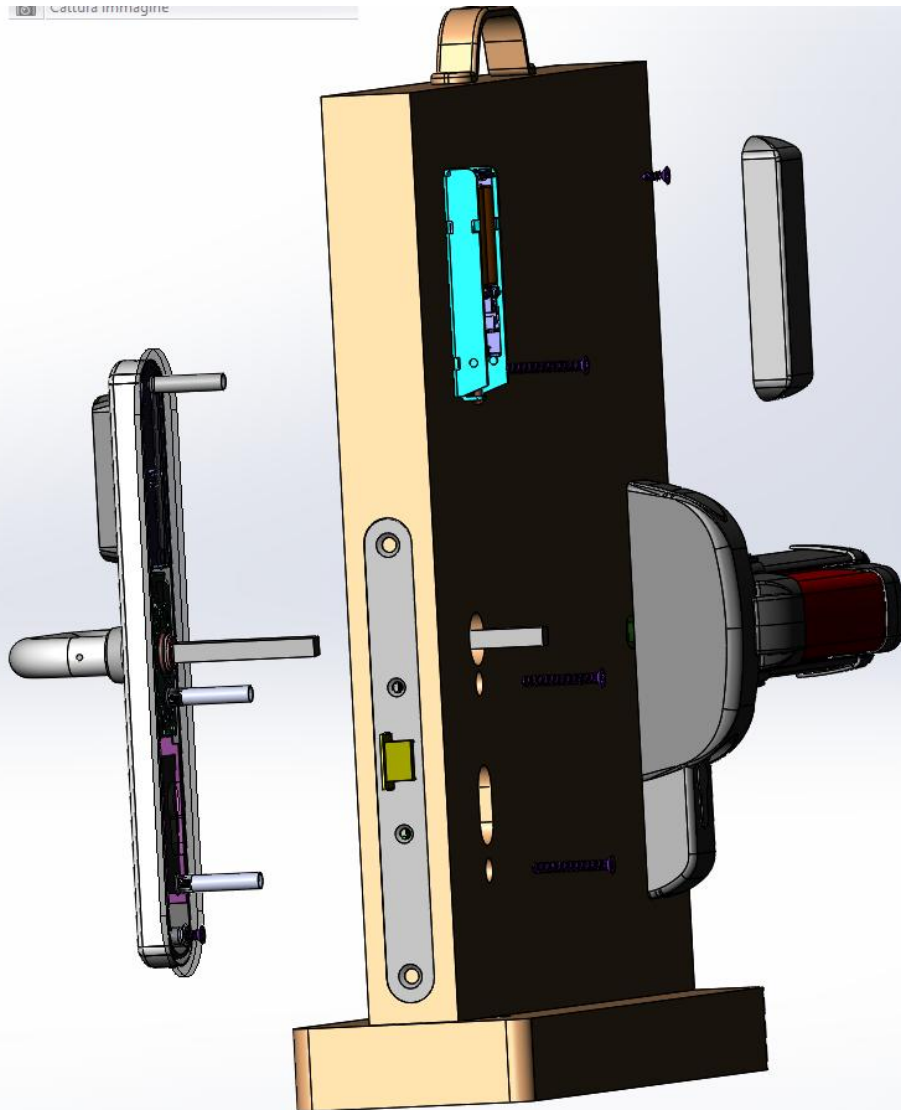


Note : Aries is considered as external command

Note 2: on firedoors, Aries need to be completed by an underplate in order to use existing lock holes and avoid drilling new holes.

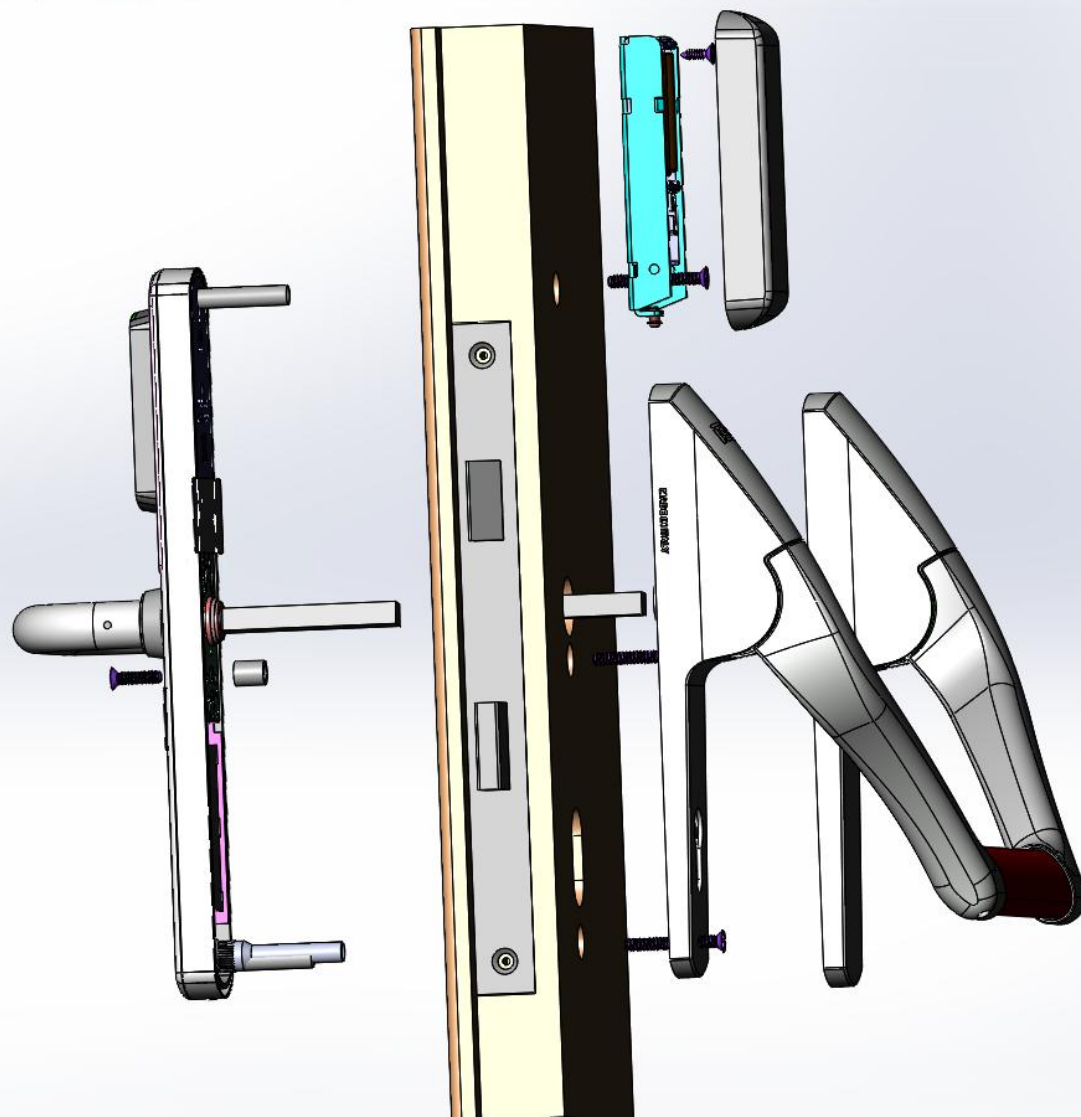
Aries + Idea

Cattura immagine



Aries + BKS

Cattura immagine

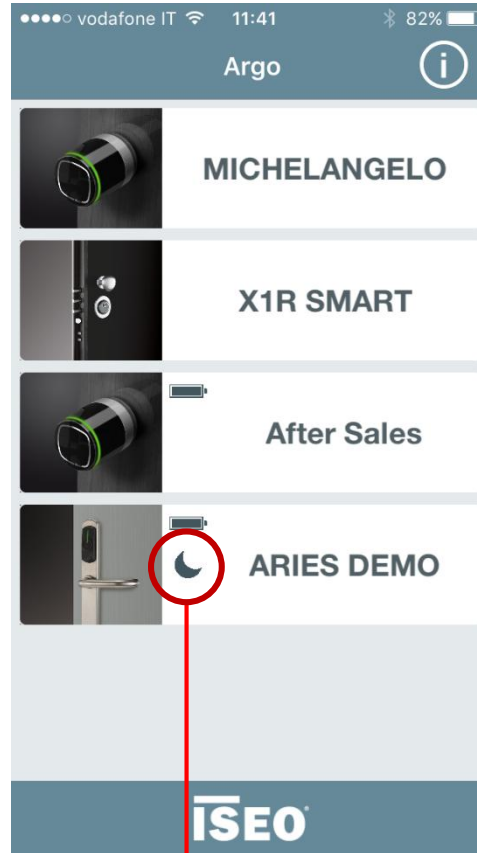


Aries Smart

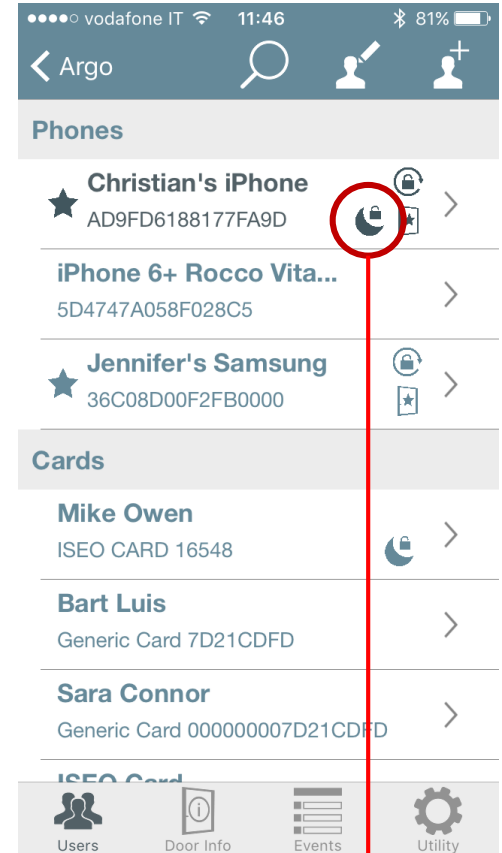
- Privacy management
- Events record:
 - Emergency key override
 - Internal handle opening
 - Privacy set



Privacy Management

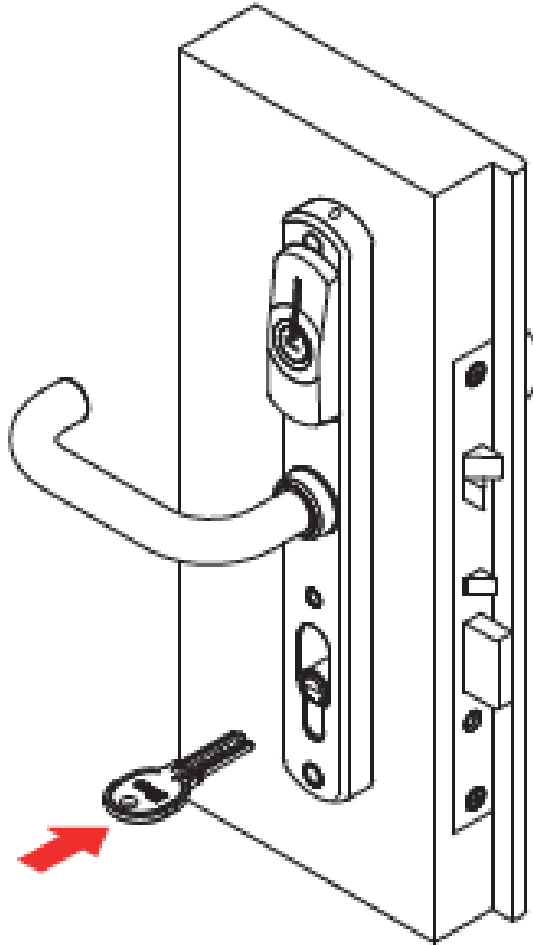


Privacy
Set



Override
Privacy

Mechanical key override



Events Record

●●●●o vodafone IT 15:14 97% 🔋		
 		
Date/Time	User	Result
09/12/2015 15:14:35	MASTER 00001 #1	Enter Programming Mode
09/12/2015 15:14:29		Emergency lock open
09/12/2015 15:14:25		Emergency lock open
09/12/2015 15:14:10	Director ISEO Card 18410	Door Open
09/12/2015 15:14:07	Chris Roland ISEO Card 15930	User blocked for privacy
09/12/2015 15:14:02	Christian Phone AD9FD6188177FA9D	VIP Access OFF
09/12/2015 15:13:48	Director ISEO Card 18410	Door Open
09/12/2015 15:13:42	Chris Roland ISEO Card 15930	Blocked User
09/12/2015 15:13:39	Brian Campbell Card AB3CBF3F	Blocked User
09/12/2015 15:13:34	Christian Phone AD9FD6188177FA9D	Only VIP Access
09/12/2015 15:13:24	Christian Phone AD9FD6188177FA9D	Passage Mode OFF
09/12/2015 15:13:09	Christian Phone AD9FD6188177FA9D	Passage Mode ON
09/12/2015	MASTER 00001 #1	Exit Programming
   		
Users Door Info Events Utility		

- Mechanical key override
- Internal handle opening
- Privacy set

THANK YOU!