



**Libra**



m.marcus  
architectural hardware

Presents



**ISEO zero1**  
[iseo.com](http://iseo.com)





**ISEO Zero1**





## ARGO App

THE LATEST  
EVOLUTION  
OF ACCESS  
CONTROL

### Libra

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#### ADDITIONAL OPTIONS:

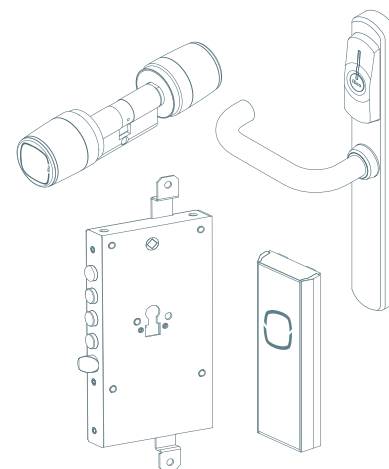
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**ISEO Zero1**





## ARGO App THE LATEST EVOLUTION OF ACCESS CONTROL



ISEO Zero1 access control devices, Smart series, are conceived to work with Argo, the new application suitable for any smartphone, even iPhone.



### OPEN WITH iPhone

Thanks to the Bluetooth Smart technology, even iPhone users can now open any door equipped with an access control device of the Smart series, without any additional hardware plug in for iPhone. The free Argo App enables any Bluetooth Smart Ready phone (iOS, Android, Windows Phone) to unlock the door.

### OPEN FROM REMOTE

The Bluetooth Smart technology allows remote unlocking of the door up to a distance of 10 meters. Use your phone as a remote control to unlock your door.

# ISEO Zero1

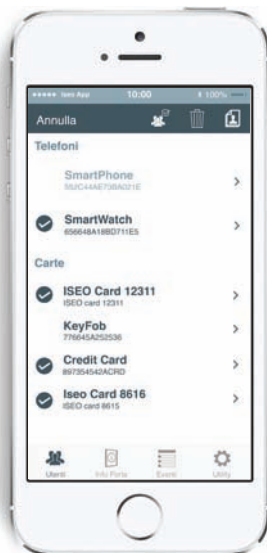
01





## MANAGE THE USERS LIST

Administrators can intuitively manage the users' rights to access the doors, just with Argo App, without any additional software or internet connection. Up to 300 users can be added, deleted and edited for extra functionalities. The list of users can be transferred from door to door.



## FREE SOFTWARE UPGRADE

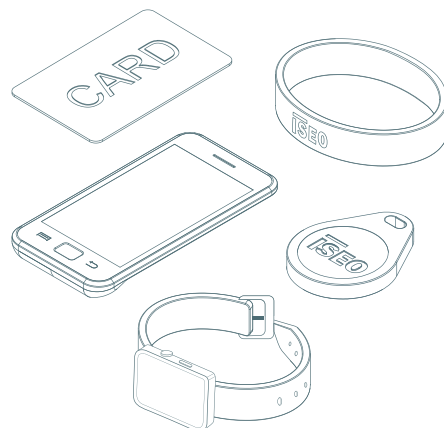
Free software updates for all the access control devices of the Smart series make sure you get the best performance from your door. When an update is available for your access control device, your smartphone notifies you. The new software will be automatically installed on the product from your phone. Thus you can always enjoy new features of the system, protecting your investment in ISEO Zero1 products. The product range compatible with Argo App (electronic cylinders and trim sets, electromechanical locks, credential readers, etc.) will be growing, stay tuned on [iseozero1.com](http://iseozero1.com).

## RETRIEVE EVENTS LOGS

Administrators can read out the last 1000 events of each door and send the report via e-mail.

## OPEN WITH TAGS, CARDS AND SMART PHONE

With the electronic access control systems of the Smart series, you can use as door keys ISEO cards, MIFARE cards and tags, and Bluetooth Smart ready smartphone.



# ISEO Zero1

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## Introduction



## Why Libra?

The Libra electronic cylinder is quick and easy to install; it is the ideal solution for replacement of traditional mechanical Euro profile cylinders and for new installations.

Libra represents a complete range fulfilling the need for access control management both for commercial and residential environments (i.e. shopping malls, industries, public and private offices, schools and universities, hospitals and retirement homes, residences and hotels, etc.).

It is flexible and cost effective even when retrofitting. Benefits of Libra being battery operated, it is easy to install without the need of extra wiring, saving time, convenience and the cost of installation compared to a hard-wired access control system.

It can also be opened by RFID cards and Bluetooth Smart Ready phones (iOS and Android) and connects to a Bluetooth enabled Smart phone without the need of software and portable programmers.

Libra dimensions are the same as any traditional mechanical cylinder.

Libra comes with a choice of colours and finishes which allows smooth integration into many building interiors.

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## Libra



## Technical Features:

### RFID Reader:

- Multi-Functional 13,56 Mhz:
- ISO14443A (Mifare Classic, Plus, Desfire)
- ISO14443B (i.e. ST microprocessor cards)
- NFC (card emulation and Peer-to-Peer)

### Communication interface:

- RFID Near Field Magnetic communication
- Radio BT 4.0 (SMART version only)

### Main batteries:

- 1 X 2/3A ER17335M 3.6Vcc lithium battery
- Outside Battery replacement

### Battery life (endurance):

- Up to 5 years
- Up to 50,000 opening
- 3 levels battery charge detection

### Signalling:

- LEDs: 1 Green, 1 Red visible on 360° ring - Buzzer Software

### Versions available:

- “Simply” with pre-coded cards; -“Offline” with management software VEGA:
- “ARGO” with APP for smartphone (SMART version only)
- OEM development platform available - On-site software upgrading

### Finishes (Cylinder Body):

- Inox
- Polished Inox
- Satin brass
- Polished brass

### Colours (Knob Turn):

- Glossy black
- Glossy white

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## Libra



### Technical Features:

Mechanical lock case compatibility:

- Euro profile cylinder (DIN standard cam)

Door thickness:

- Up to 120 mm (standard)
- Up to 140 mm (special)

Environmental characteristics:

- Operating temperature:  $-20^{\circ}\text{C} \div +70^{\circ}\text{C}$
- Storage temperature:  $-25^{\circ}\text{C} \div +75^{\circ}\text{C}$

Weather Proof Protection (IP Rating):

- IP54 (Internal)
- IP66 (External) with Anti drill cylinder body

Electronic knob dimensions:

- External diameter: from 36 mm to 39 mm
- Length: 46 mm

Mechanic knob "Standard" dimensions:

- External diameter: 30 mm
- Length: 31 mm

Mechanical knob "Premium" dimensions:

- External diameter: from 36 mm to 39 mm
- Length: 46 mm

Electronic dimensions (double knob version):

- Minimum 30-30 mm - Steps 5 mm
- Maximum total length 140 mm

Electronic dimensions (half cylinder version):

- Minimum 30-10 mm
- Steps 5 mm - Maximum 90-10 mm

## ISEO Zero1

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## Libra

Argo is the mobile application that allows you to open doors, edit users, delete lost cards and credentials as well as managing your locking plan. Argo works in any Bluetooth enabled smart phone with iOS or Android. There is no software to install, all you need is a Libra Electronic Cylinder and the Argo App. It works even if you are not connected to Internet as the Argo App connects directly to the Libra Electronic Cylinder with the latest encryption protocols ensuring the highest security in data transfers.

Lost or stolen keys can be quickly deleted with Argo, an intuitive smartphone application can be downloaded free on:

- iTunes (iOS from iPhone 4S with iOS 7)
- Google Play Store (Android from version 4.3 (Jelly Bean) featuring Bluetooth Smart Ready hardware)

Argo Mobile APP allows Users and Administrators to:

- Add New Users (Card, Tags or Mobile)
- Delete Users
- Transfer User List to other doors
- Block Standard Users, Allowing access to only VIP Users
- Set Passage Mode
- Read Audit Trails
- Update to the latest firmware

Main Function:

- Operates with encrypted Iseo cards or any third party Mifare cards
- Up to 300 users (cards or phones)
- Stores the last 1000 events
- Battery life up to 50,000 openings with battery low warning signal
- Allows passage mode (office mode) without extra battery consumption
- Connects via Bluetooth Smart to a Bluetooth enabled Smart phone
- Remote opening and communication with Bluetooth Smart phone up to 10 meters
- Software upgrades on site via the Bluetooth Smart phone

### Argo Smart communication is protected by the following:

Encryption is AES 128 this protects from: Man in the middle attacks, eaves dropping, confidentiality and “integrity of data”.

Enrolling code:

A highly encrypted key code is generated to communicate between the lock and smart phone to ensure the confidentiality and integrity of data to prevent hacks.

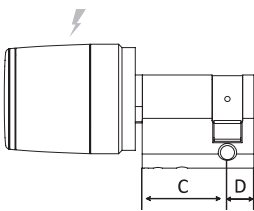
## I<sup>SEO</sup> Zero1



Options and Versions Features:

Half cylinder with electronic knob outside

Multi-Functional RFID Reader (ISO14443A/ISO14443B/NFC 13,56MHz).  
Maximal body length 100 mm.  
Euro profile (DIN standard cam).  
6 knob finishes available.  
Internal usage (IP54) and external usage (IP66) versions.  
BT 4.0 Radio version (Libra Smart).



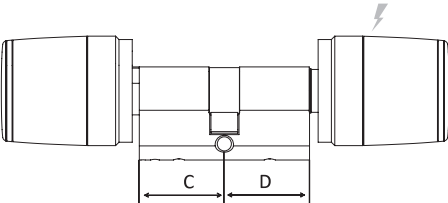
IS 8 2 K		X	0	X	X	1	0	X	X	2	5
External usage version (IP66)	1	DIMENSION C			DIMENSION D			FINISHES			
Internal usage version (IP54)	2	30	10			Radio BT 4.0 (Smart)					
Removable Knob (for outside access device)	4	35									
		40									
		45									
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		90									
		L max 100 mm				25	Inox - Black				
						K5	Polished Chrome - Black				
						S5	Satin brass - Black				
						L5	Polished Brass - Black				
						K4	Polished Chrome - White				
						L4	Polished Brass - White				
							Software ARG0 ***				



Options and Versions Features:

Electronic knob outside and mechanical “Premium” knob inside

Multi-Functional RFID Reader (ISO14443A/ISO14443B/NFC 13,56MHz) on outside  
“Premium” mechanical knob on internal side.  
Maximal body length 120 mm\*.  
Euro profile (DIN standard cam).  
6 knob finishes available.  
Internal usage (IP54) and external usage (IP66) versions.  
BT 4.0 Radio version (Libra Smart).



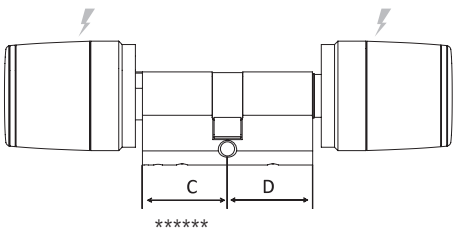
IS 8 2 K	X	0	X	X	X	X	2	5
External usage version (IP66) 1								
Internal usage version (IP54) 2								
			DIMENSION	DIMENSION		FINISHES		
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			65	65				
			70	70				
			75	75				
			80	80				
			85	85				
			90	90				
			L max 120 mm*/**					
								Software ARGO ***
								Radio BT 4.0 (Smart)
							25	Inox - Black
							K5	Polished Chrome - Black
							S5	Satin brass - Black
							L5	Polished Brass - Black
							K4	Polished Chrome - White
							L4	Polished Brass - White



Options and Versions Features:

Electronic knob outside and electronic knob inside

Multi-Functional RFID Readers (ISO14443A/ISO14443B/NFC 13,56MHz) on external side and internal side.  
Maximal body length 120 mm\*.  
Euro profile (DIN standard cam).  
6 knob finishes available.  
Internal usage (IP54) and external usage (IP66) versions.  
BT 4.0 Radio version (Libra Smart).

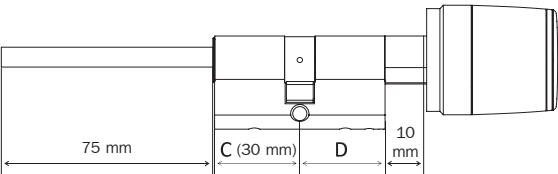


IS 8 2 K		X	E	X	X	X	X	2	5
External usage version (IP66)		1		DIMENSION		DIMENSION		FINISHES	
Internal usage version (IP54)		2		C		D			
				30		30			
				35		35			
				40		40			
				45		45			
				50		50			
				55		55			
				60		60			
				65		65			
				70		70			
				75		75			
				80		80			
				85		85			
				90		90			
				L max 120 mm*/**					
								25 Inox - Black	
								K5 Polished Chrome - Black	
								S5 Satin brass - Black	
								L5 Polished Brass - Black	
								K4 Polished Chrome - White	
								L4 Polished Brass - White	
								Radio BT 4.0 (Smart)	
								Software ARGO ***	

Options and Versions Features:

Electronic Knob Outside & Mechanical ‘Standard’ Knob Inside with Extension Plug for Security Escutcheon.

Multi-Functional RFID Reader (ISO14443A/ISO14443B/NFC 13,56MHz) on outside  
Prearranged for internal knob shaft C 8x75 mm.  
Maximal body length 90 mm (on request up to 110 mm\*\*)  
Euro profile (DIN standard cam).  
6 knob finishes available.  
Removable external knob with extension plug of 10 mm (IP66 Heavy Duty).  
BT 4.0 Radio version (Libra Smart).

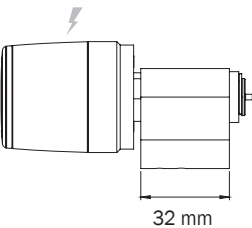


IS 8 2 K 3 6		D 0		X	X	X	X	2	5
DIMENSION		DIMENSION		FINISHES					
C		D							
30		30							
		35							
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		45							
		50							
		55							
		60							
L max 90 mm**									
				Software ARGO ***					
				BT 4.0 Radio (Smart)					
				25 Inox - Black					
				K5 Polished Chrome - Black					
				S5 Satin brass - Black					
				L5 Polished Brass - Black					
				K4 Polished Chrome - White					
				L4 Polished Brass - White					

Options and Versions Features:

Libra Scandinavian Oval External Half Cylinder

Multi-Functional RFID Reader (ISO14443A/ISO14443B/NFC 13,56MHz).  
Oval Scandinavian body L = 32 mm.  
6 finishes available.  
Internal usage (IP54) and external usage (IP66) versions.  
External door side versions only.  
BT 4.0 Radio (Libra Smart).



IS 8 2 K

X

0 2 0 0

3 2

DIMENSION

X X

FINISHES

2

5

External usage version (IP66)

1

Internal usage version (IP54)

2

25

Inox - Black

K5

Polished Chrome - Black

S5

Satin brass - Black

L5

Polished Brass - Black

K4

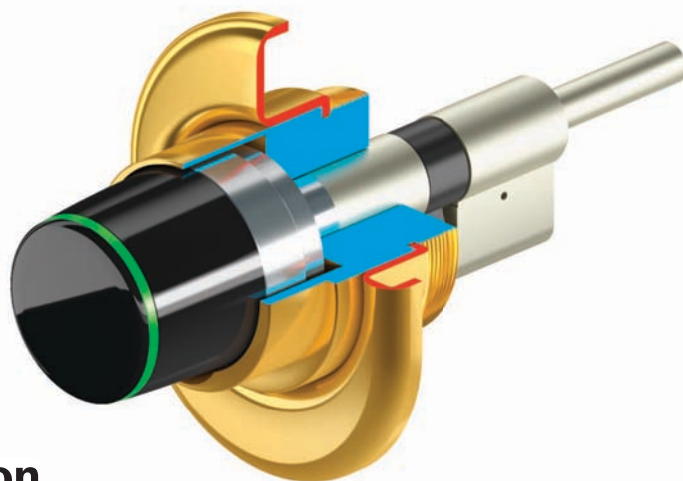
Polished Chrome - White

L4

Polished Brass - White



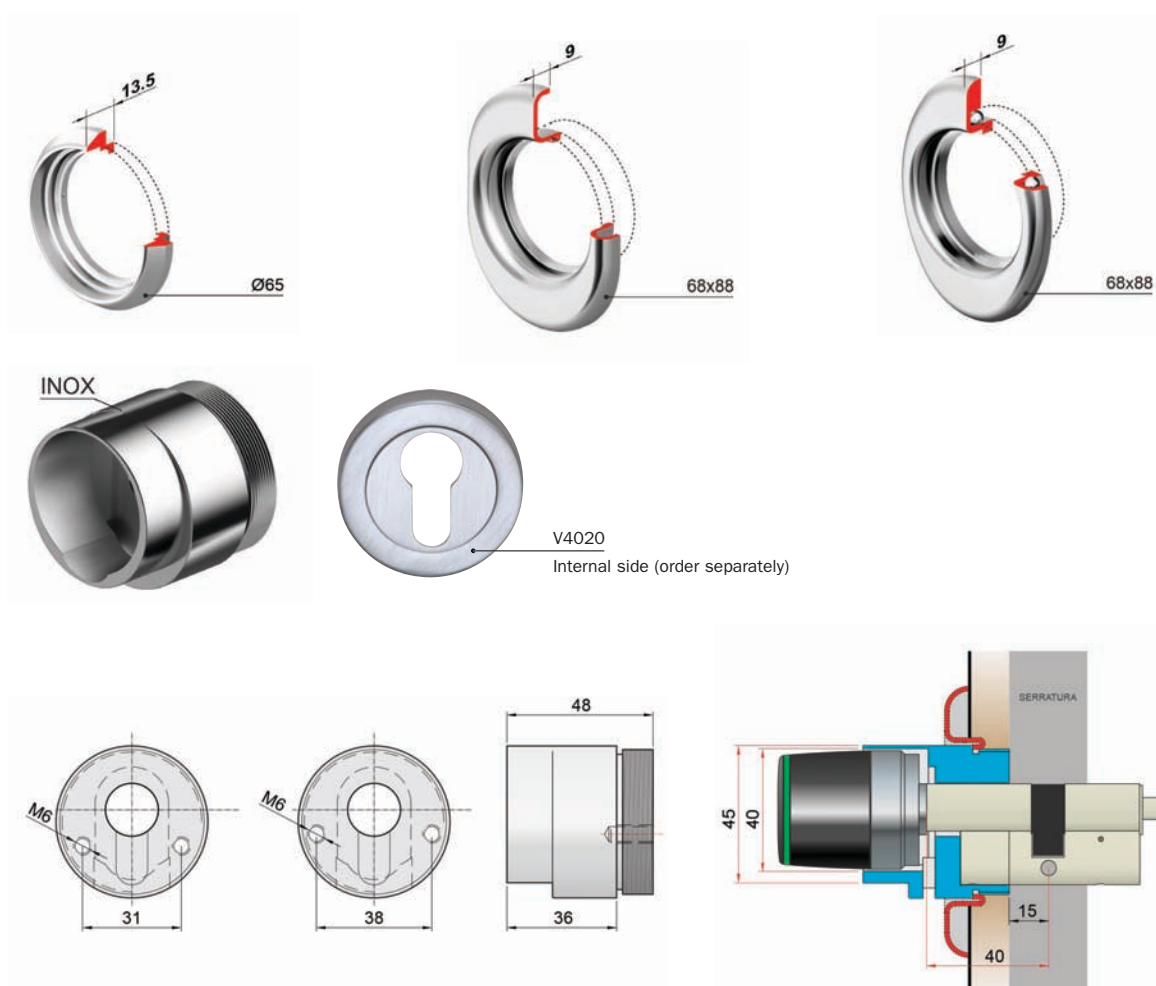
## Additional Options:



## High Security Escutcheon

A High Security Escutcheon is available for Heavy Duty and Harsh Environment Applications, where high protection against environmental rain, snow, cold temperature ensuring safety and security are the maximum against attack. The main features implemented are:

- Protection against Cover Removal
- Protection Against Breaking
- Drilling protection over cylinder core (Heavy Duty version)
- Extraction Protection



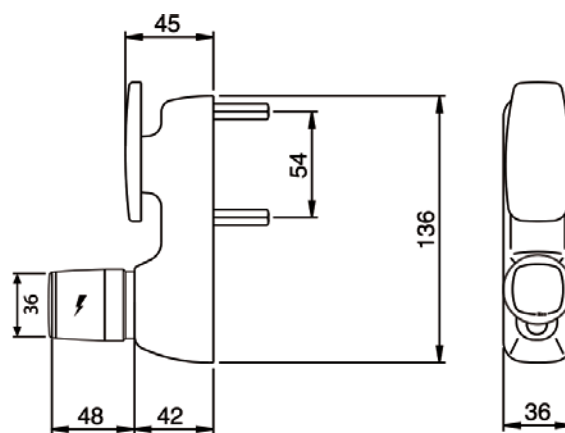
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## Additional Options:



## Libra for ISEO Outside Access Device

The Outside Access Device by Iseo complies with European standards EN 1125:2008 for Emergency Exits and EN 179:2008 for Escape Doors. They can be used with all the panic and emergency exit devices by ISEO, in all configurations.



In addition to the traditional finishes of black and grey, the outside access device is available in PVD - Inox.

The outside access device features a euro cylinder profile and therefore it can be used with Libra.

### Main Features:

- 8mm Handle Follower
- Operating Temperature  $-10^{\circ}$  to  $+60^{\circ}$
- Tested to 200,000 Cycles
- Available in Black, White, Metal Grey Painted, PVD-INOX and Antibacterial Protection
- Euro Cylinder Override (40mm)  
See page 7 for cylinder codes

# ISEO Zero1





## Additional Options:

## Ingress Protection (IP)

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All Libra cylinders have gone through extensive testing against weather proofing meeting IP54 as standard and IP66 for external usage.

### First Digit (ingress protection)

0. No protection against contact and ingress of objects
1. Protection against any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part
2. Protection against fingers or similar objects
3. Protection against tools, thick wires, etc.
4. Protection against most wires, slender screws etc.
5. Protection against ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.
6. Protection against no ingress of dust; complete protection against contact (dust tight).  
A vacuum must be applied. Test duration of up to 8 hours based on air flow.

### Second Digit (moisture protection)

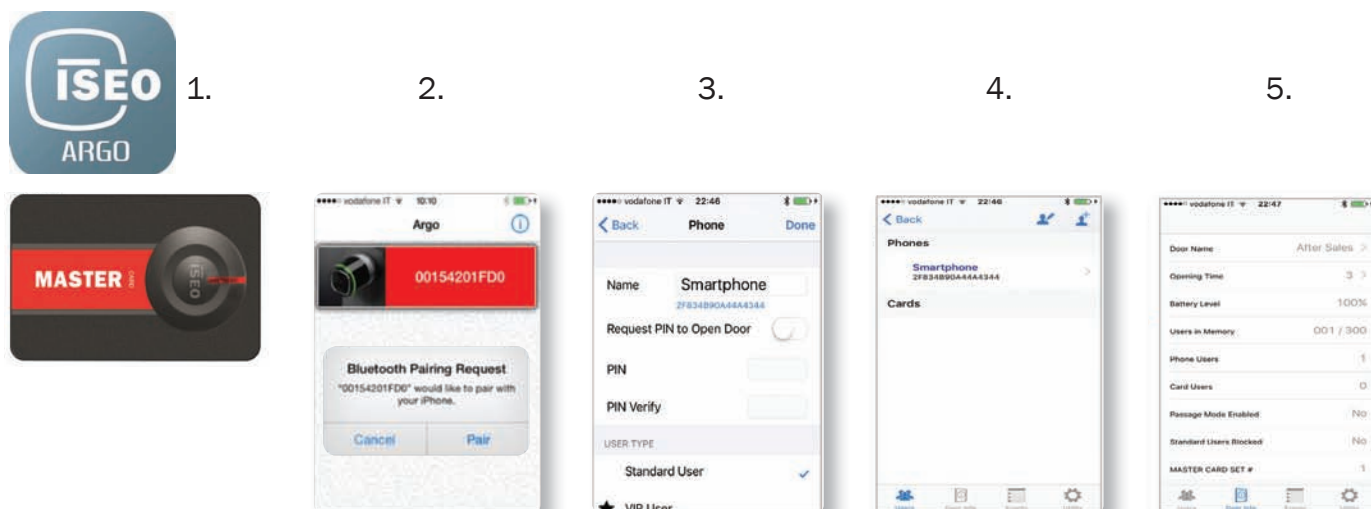
0. Without protection
1. Protection against water drops on the enclosure, free from negative influences.
2. Protection against water drops that come from within a 15-degree area from the vertical direction, free from negative influences.
3. Protection against water sprayed from within a 60-degree area from the vertical direction, free from negative influences.
4. Protection against water sprayed from any directions, free from negative influences.
5. Protection against water flushed from any directions, free from negative influences.
6. Protection against big waves from any directions, free from negative influences.
7. Protection against ingress of water when soaked in water of 1m deep in a short time.
8. Protection against ingress of water when sunk in water of certain pressure for a long time.
9. Protection against water with high pressure, Steam Jet cleaning, free from negative influences.

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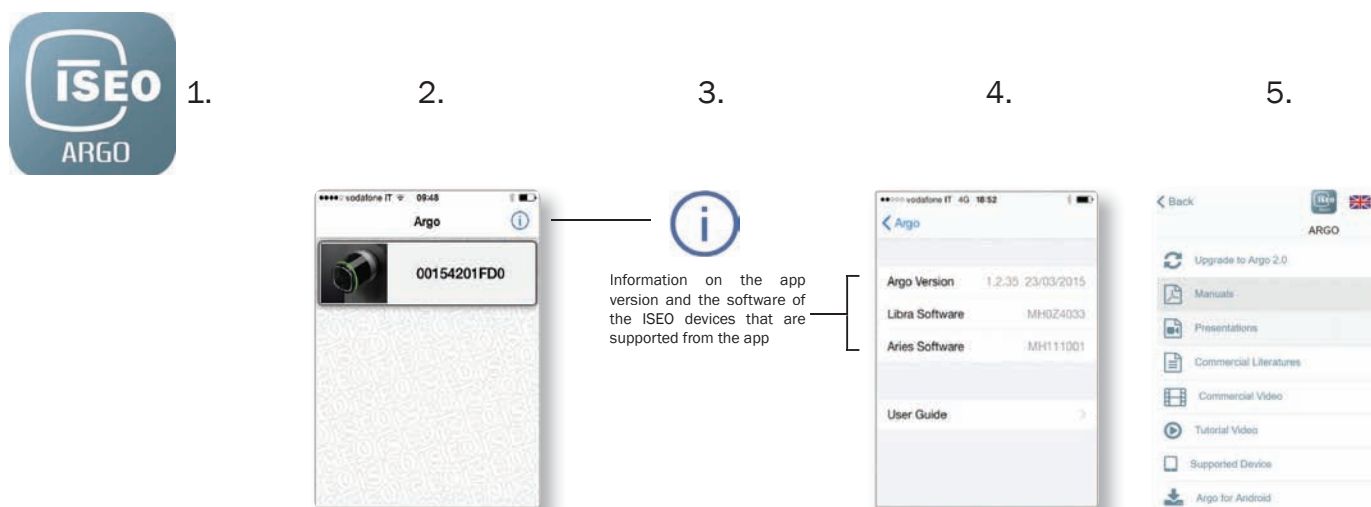
## The Simple Steps to Setup and Manage your Door(s):

1. Download the Argo App and Present the Master Card
2. Pair with the Libra cylinder
3. Define the user
4. Add optional cards
5. Now you are setup to manage your door(s)



## User Guide and Support:

1. Download the Argo App
2. Available Access Control Device up to a distance of 10 metres
3. Click  for App Information Menu
4. View the software of your relevant ISEO devices that are supported from the app
5. Now click to view or download the relevant manuals, presentations or tutorial videos that demonstrate the step by step instructions for setting up your Libra cylinder

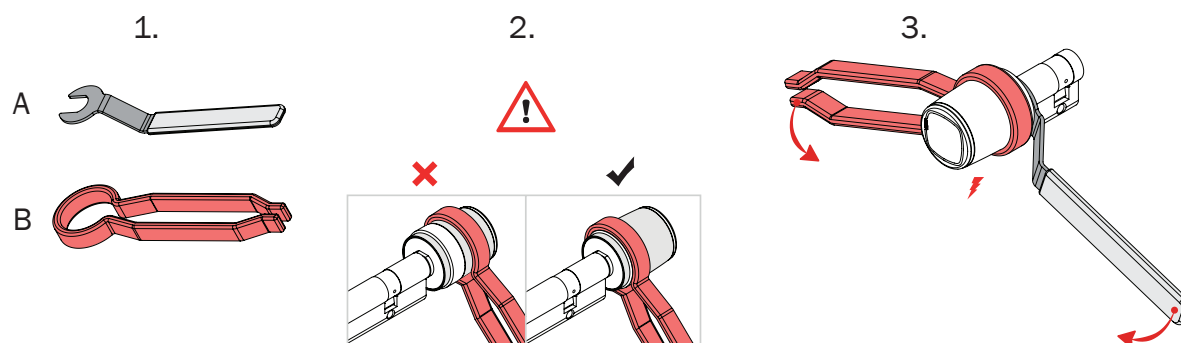


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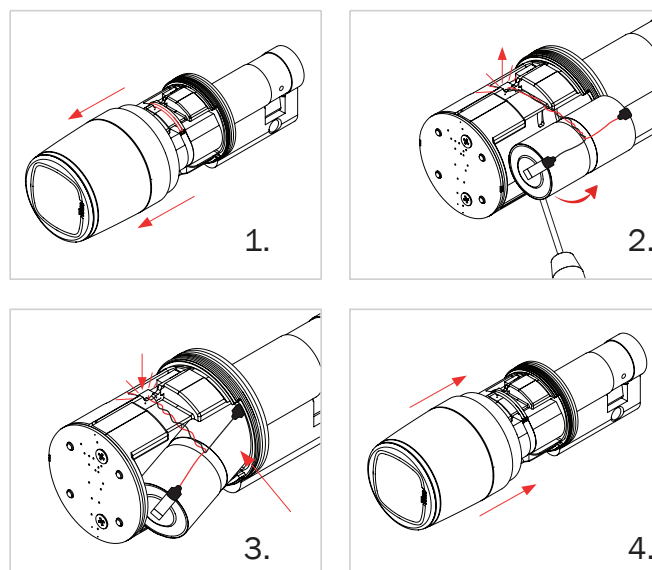
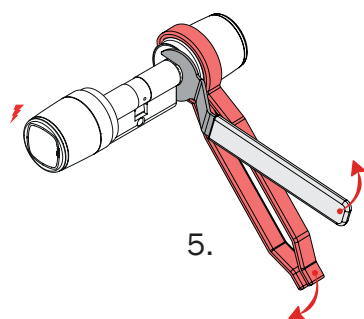


## Changing Batteries and Installation

1. Opening tools needed A + B
2. Grab onto the metal collar (not the nylon part) using tool B
3. Insert tool A onto rear washer and unscrew collar



1. Slide cover off
2. Take extra care when unclipping the battery connector wire
3. Carefully insert battery and clip battery into the connector wire
4. Slide cover on
5. Insert tool B and screw anti-clockwise to lock, ensure the external side is sealed tightly



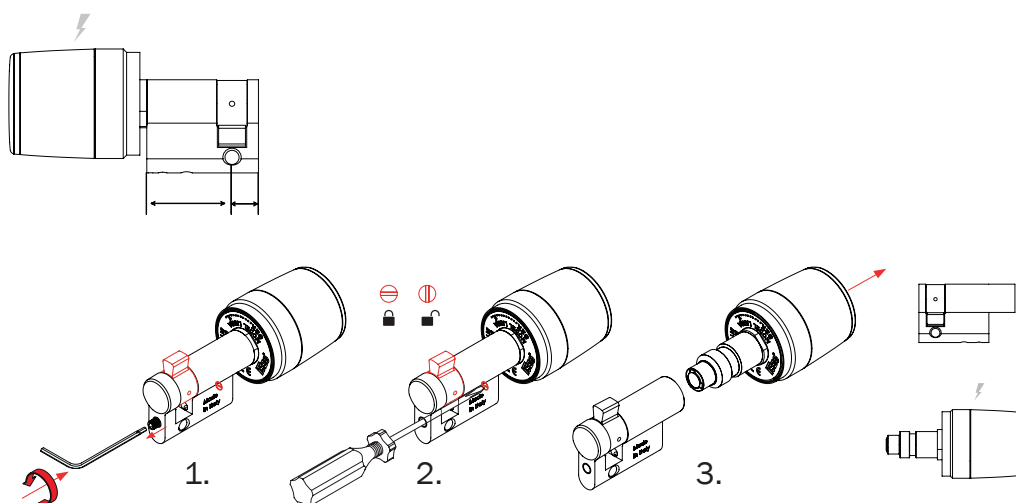
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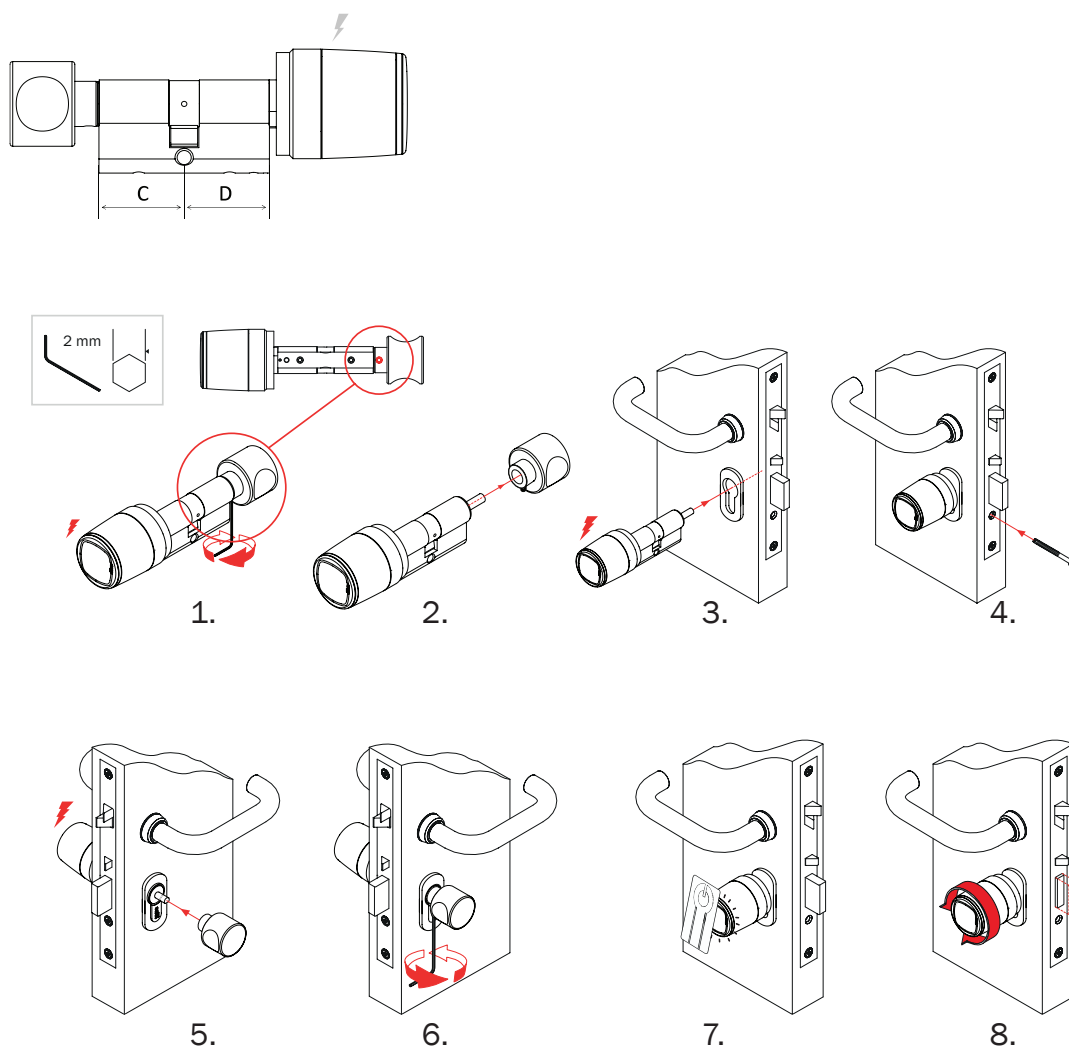




## Libra Half



## Libra Standard

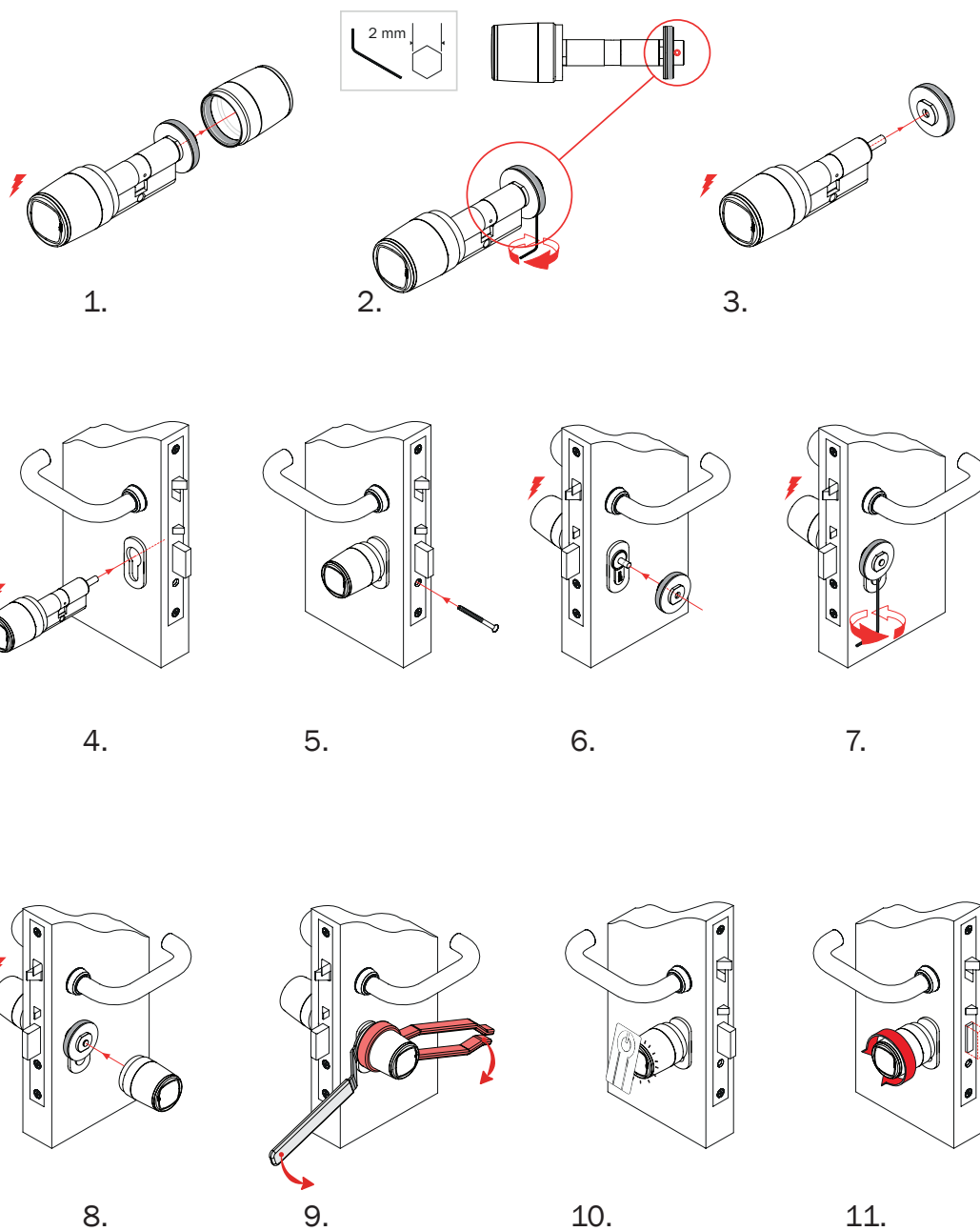
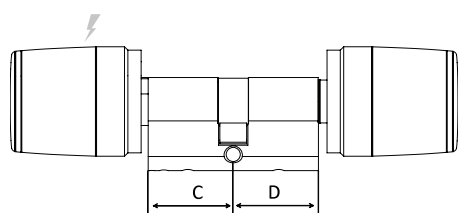


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## Libra Premium



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## Electronic Solutions

Thanks to their high technology features, ISEO Zero1 products offer comfort and ease of use. They can all be integrated to manage any access in any situation, offering flexibility, smart solutions and security.



### THE LATEST EVOLUTION OF ACCESS CONTROL

Argo App available for any smartphone (iOS and Android). Suitable for ISEO Zero1 devices thanks to Bluetooth Smart technology. No need of additional hardware plug-ins. Management of the opening authorizations. Handling of particular users' authorizations. Free software updates.



**Libra** SMART  
Electronic Knob Cylinder



**Aries** SMART  
Electronic Trim Set



**F9000**  
Electromechanical Profile  
Cylinder



**Stylos** SMART  
Credential Reader



**Thesis 2.0**  
High Security Solenoid Bolt



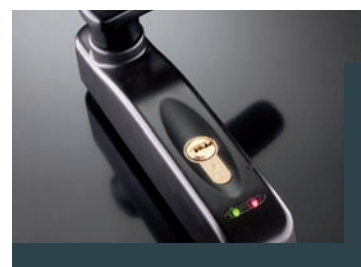
**Push Sirena**  
Panic Exit Device with  
Acoustic Alarm



**X1R** SMART  
Electromechanical Lock for  
Armoured Doors



**Multiblindo**  
**Motion** EXIT  
Electronic Multipoint Lock



**Trim Tronic**  
Electronic Access Device

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presented by



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