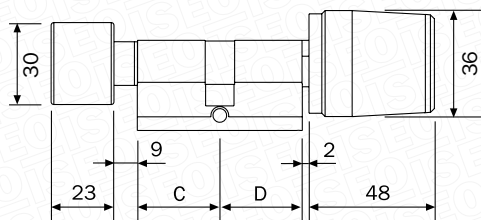# Libra Smart

INTERNATIONAL AWARDS:

ADI Design Index 2013 selected as one of the most innovative products.

Compasso d'Oro ADI XXIII
Honourable Mention, Milan, May 2014

German Design Award 2015 - Nomination

IFSEC's Security & Fire Excellence Awards - Finalist

C= 30/35/40/45/50/55/60/65/70/75/80/85/90
D= 10/30/35/40/45/50/55/60/65/70/75/80/85/90

PRODUCT

Thanks to the quick and easy installation, the electronic cylinder LIBRA is the ideal and universal solution both for the replacement of mechanical European profile cylinders and for installation on new doors. Together with ARIES electronic trim set, LIBRA represents a complete range fulfilling any need for access control management both for community and residential environment (shopping malls, industries, public and private offices, schools and universities, hospitals and retirement homes, residences and hotels, etc.).

KEY POINTS

- The electronic cylinder LIBRA can be installed in most of the doors equipped with an European profile cylinder hole (EN1303).

- It is battery operated, so it doesn't require any electrical external cabling. The result is the best flexibility and cost effectiveness of installation, both in new doors and in retrofitting.

- The high modularity of the cylinder, obtained thanks to its patented design, drastically reduces the number of components required to build all the versions and measures necessary to cover the wide range of potential installations, with consequent reduction of components stocks, better flexibility and fast reaction to customer requests.

- The unique and innovative design, combined with the finishes and colors available, allows the smooth integration in any architectural contexts.

MAIN FUNCTIONS

Multistandard RFID Reader (ISO14443A/ISO14443B).
SMART version with Radio BT 4.0
Wake up by RFID card or phone detection (patented) or Real Time Clock.
Low consumption battery operated.
Permanently open mode (passage mode) without extra battery consumption.
Batteries voltage monitoring.
Real Time Clock/Calendar.
Compact size and innovative design.
Compatible with all the mechanical locks equipped with an
European profile cylinder hole (EN1303, DIN 18252).
Very easy and quick installation.
Heavy Duty version with drilling protection over cylinder core and IP66/IP67/IP69 grading.
Optical and acoustic signalling.
On-site software upgrading.
4 finishes and 2 colors.

TECHNICAL FEATURES:

RFID Reader:
- Multistandard 13,56 Mhz:
- ISO14443A (Mifare** Classic, Plus, Desfire)
- ISO14443B (i.e. ST microprocessor cards)

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
- Battery replacement from outside with door closed

Battery life (endurance):
- Up to 2 years (*)
- Up to 20.000 opening (*)
- 3 levels battery charge detection

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

Software:
- Versions available:
  -"Offline" with management software SIRIO and V364;
  - "ARGO" with APP for smartphone (SMART version only)
- OEM development platform available
- On-site software upgrading

Finishes (metal part):
- Inox
- Polished Inox
- Satin brass (not available for Heavy Duty versions)
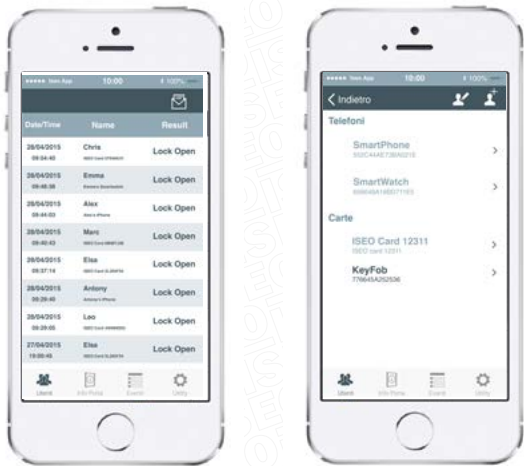- Polished brass (not available for Heavy Duty versions)

Colors (plastic parts):
- Glossy black
- Glossy white
- Special colors on request

Libra Smart

LIBRA SMART CONFIGURATIONS:
- Electronic knob outside (freely rotating) and mechanical knob inside (Standard or Premium version)
- Electronic knob outside (freely rotating) and inside (freely rotating)
- Half cylinder with electronic knob outside (freely rotating)
- Version for panic lock (freely rotating with cam returning in vertical position)
- Version compatible with Defender
- Internal usage version (IP54)
- Allweather outdoor usage version Heavy Duty (IP66)
- Special versions:
  - oval scandinavian body
  - oval australian body
  - round ANSI body

TECHNICAL FEATURES:

Mechanical lockcase compatibility:
- Euro profile cylinder hole (DIN18252)

Door thickness:
- Up to 120 mm (standard execution)
- Up to 140 mm (special execution)

Environmental characteristics:
- Operating temperature: -20°C ÷ +70°C
- Storage temperature: -25°C ÷ +75°C
- Protection system (IP grading): IP54 (IP66/IP67/IP69 for Heavy Duty version)

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

Mechanic knob "Premium" dimensions:
- External diameter: from 36 mm to 39 mm
- Length: 46 mm

Cylinder double knob version dimensions:
- Minimum 30-30 mm
- Steps 5 mm
- Maximum total length 140 mm

Cylinder single knob version dimensions:
- Minimum 30-10 mm
- Steps 5 mm
- Maximum 90-10 mm

Certifications:
EN15684:2013-01 classifications
- IP54 internal version 16B4AF30
- IP66 Heavy Duty version 16B4AF32
SKG***for HD (Heavy Duty) version

(*) Depending on usage, environment, options.
(**) MIFARE is a NXP Semiconductors-owned trademark.