**Wireless lock technology expanding access control systems**

aperio®

## Product description

- Communication from hub via RS485 bus to the Online Access Control System (addressable) - access decision in the EAC system
- Main electronics inside - Reader element outside including emergency battery connector and indication LED's
- Intelligence split structure enables extreme temperature range (-40°C to +65°C)
- Outside handle controlled by electronics - Inside handle always engaged (request to exit sensor included)
- Integrated sensors for bolt and door position, mechanical key override
- Possibility to store up to 10 emergency cards (only used in case of disconnection from the hub)
- LED for status visualisation

## Accessories/Individual parts

- Programming application tool
- Lock spindle
- Battery

## Suitable ASSA ABLOY products

- AH30 1-to-8 Standard Aperio® RS485 communication hub
- AH20 1-to-1 (Advanced) Wiegand Aperio® (Advanced) Wiegand interface communication hub
- AH40 1-to-16 IP AH40 Aperio® IP communication hub

## Scope of delivery

- 1 lock with batteries (Lithium AA FR6) and installation instructions
- 1 reader element including inside and outside unit
- Screws, flexible cables, drilling template

## Technical data - Electronic lock with Escutcheon RFID-Reader

| | | |
|---|---|---|
| | **Authentication** | Three levels of autentification (PIN only, CARD only, PIN & CARD combined) |
| | **PIN code** | PIN code - 4 up to 8 digits |
| | **Approvals** | CE, EN179, EN1906, EN1125, EN12209, EN1634/1 |
| | **Dimensions** | Lock 168,5 x 16,5 x 88/93/98 (H x W x D), Reader inside 167,8 x 48 x 20 / outside 101,8 x 43,7 x 15 (H x W x D) |
| | **Door Type** | Standard or narrow doors |
| | **Door Swing Direction** | Left / Right |
| | **Backset** | Standard doors (55 mm, 60 mm, 65 mm); narrow doors (30 mm, 35 mm) |
| | **Distance/ Spindle** | Distance standard doors 72 mm / narrow doors 92 mm, spindle 8/9 mm |
| | **Front plate** | 24 mm |
| | **Door Thickness** | Spindle length - Door thickness in ( ): 47/50 (40- 54 mm); 57/50 (47/66 mm); 67/60 (61-80 mm); 74/50 (66-80 mm); 120/120 (88-100 mm); 80/50 (70-87 mm) |
| | **Escutcheon finish** | Stainless steel brushed (ST) |
| | **Battery** | 2 x Lithium AA (FR6) |
| | **Battery life** | > 100,000 cycles (for max. 4 years) |
| | **Radio standard** | IEEE 802.15.4 (2.4 GHz) |
| | **Encryption (radio communication)** | AES 128 bits |
| | **Distance between the RFID-Reader and hub** | Typical range up to 25 m depending on the hub type and building environments |

CE    PROX BY HID    MIFARE™ CLASSIC / DESFire™    MIFARE™ CLASSIC / PLUS    EM410x

# L100 EURO
# Electronic lock with Escutcheon
# RFID-Reader

ASSA ABLOY

| | | |
|---|---|---|
| | **Class of protection** | IP 44 inside / IP 55 outside |
| | **Operating temperature range** | 10°C to 65°C inside / -40°C to 65°C outside |
| | **Humidity** | < 85% (condensation-free) |
| | **Status** | LED (red/green/orange) |
| | **Door status** | Position (open/closed); Bolt position (secured/unsecured); Mechanical key override (avoid alarm) |
| | **RFID Technology** | iCLASS®/ISO 14443B; MIFARE™ classic; MIFARE™plus; MIFARE™ DESFire™ EV1; HID PROX/ EM410x, LEGIC® Advant (in progress) |
| | **RFID reading** | UID / Sektor / Block / Application / File |
| | **Scanning range** | < 4 cm |
| | **Interface** | Micro USB firmware download and battery back up |

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