SMARTair™ Wireless Escutcheon

SMARTRair™ Wireless

Lockwood SMARTair™ Wireless is the new generation of electronic access control escutcheon. It combines benefits of both autonomous wire free systems and wireless communication power: automatic access plan modifications, real-time audit trail, lost card cancellation, etc.

**Functionality**

- Unlocks the door via proximity credential
- Autonomous functionality without wires. Battery powered
- Radio frequency communication with communication hub that allows for:
  - Real-time audit trail
  - Immediate cancellation of lost cards
  - User access plan update
  - User delete
  - Remote door opening
  - Battery status
- All electronics on the door inside part (except reader), offers higher security against vandalism
- Free wheeling handle on door lock position to avoid lock manipulation
- Slim design can be installed in all kinds of doors
- Emergency opening allowed by a mechanical cylinder

**Electronic Technical Features**

**Reader module**

- Contact-less chip identification technologies (proximity) 13.56MHz ISO14443A, MIFARE CLASSIC 1K and 4K and ULTRALIGHT
- Activation mode: Escutcheon wakes up without the need of physical contact. Low consumption
- Reading distance: 10mm with standard cards
- Portable programming jack connection (emergency opening available)

- Compatible with NFC mobile phone technology (Near Field Communication)
- Red and green warning LEDs. Different warnings: Access authorised or denied, battery low level etc

**RF communication module**

- 868 MHz bi-directional encrypted radio frequency technology
- Updates control unit memory and sends audit trail in conjunction with the communication hub
- Changeable

**Control unit**

- Non-volatile memory, programmable in 3 modes:
  - 1500 users and 600 events
  - 1000 users and 1000 events
  - High traffic door: unlimited number of users, filtered into 48 groups
- Real-time clock and calendar. 14 time zones with 5 time periods each
- User access mode:
  - Passage mode: Door is unlocked or locked automatically during the programmed hours without any consumption. It can also be settled in that mode by specially authorised users
  - Standard: Door unlocking during 4-10 seconds after valid credential use
  - First user: Door remains unlocked after first authorised user (first user in the morning). Will come back to locked position on the programmed hour

**Battery module**

- Type of batteries: 3 LR03 AAA 1.5V alkaline batteries
- Estimated duration: 40,000 - 50,000 cycles or 2-3 years
- Changing batteries is easy: No need to disassemble the lock

**Operating conditions**

- 85% humidity without condensation
- Temperature: Exterior 20°C - 70°C, interior 0 - 50%
- Fire certificated 30, 60, 90 UNE EN 1634:2000
- IP55

**Mechanical Technical Features**

**Locking mechanism**

- Compatible with a wide range of European standard mechanical mortice locks (distance between axes 70mm-105mm)
- Free exit function. Inner handle opens lock instantly
**Door width**
- For doors from 33 to 110mm thick. Different spindles required depending on door width

**Models and dimensions**
Two aesthetically different models:
- Long plate lock
- Design lock

**Handles**
- A wide selection of handles which adapt to all kinds of doors and styles

**Finishes**
- IS Lux
- LPD Polished Brass-PVD
- LMD Satin Brass-PVD
- LA Antique Brass
- MM Chissic
- NE Satin Black
- CF Satin Chrome
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**Credentials**
- Contactless chip identification technologies (proximity) 13.56 MHz ISO 14443A, MIFARE CLASSIC, 1K, 4K and ULTRALIGHT
- Card, tag, bracelet, sticker, etc
- Highly resistant to dust, water and extreme temperature
- Longer credential life, contact absence
- Possibility to have multi-technology credential

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**DIMENSIONS**

![Dimensions Diagram]