

SMARTair™

Wireless Escutcheon



ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

SMARTair™ 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 conacelation 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 perios 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 or 2-3 years
- Changing batteries is easy: No need to disassemble the lock

Operating conditions

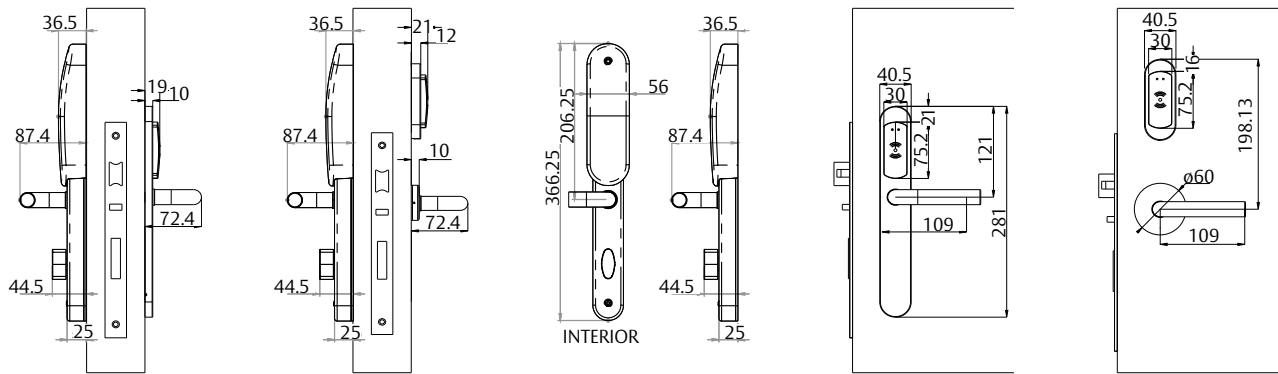
- 85% humidity without condensation
- Temperature: Exterior 20°C - 70°C, interior 0 - 50%
- Fire certificated 30, 60, 90 UNE EN 1634:2000
- IP55

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

DIMENSIONS



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

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

Finishes

