MUL-T-LOCK®

SMARTair® Electronic escutcheon
ANSI profile
Pro Wireless Online

The SMARTair™ wireless and battery powered escutcheons are ideal for transit, office or meeting room doors.
The wide range of escutcheons offer a RFID reader and locking mechanism in one for all kind of doors.

Technical data - SMARTair™ escutcheon

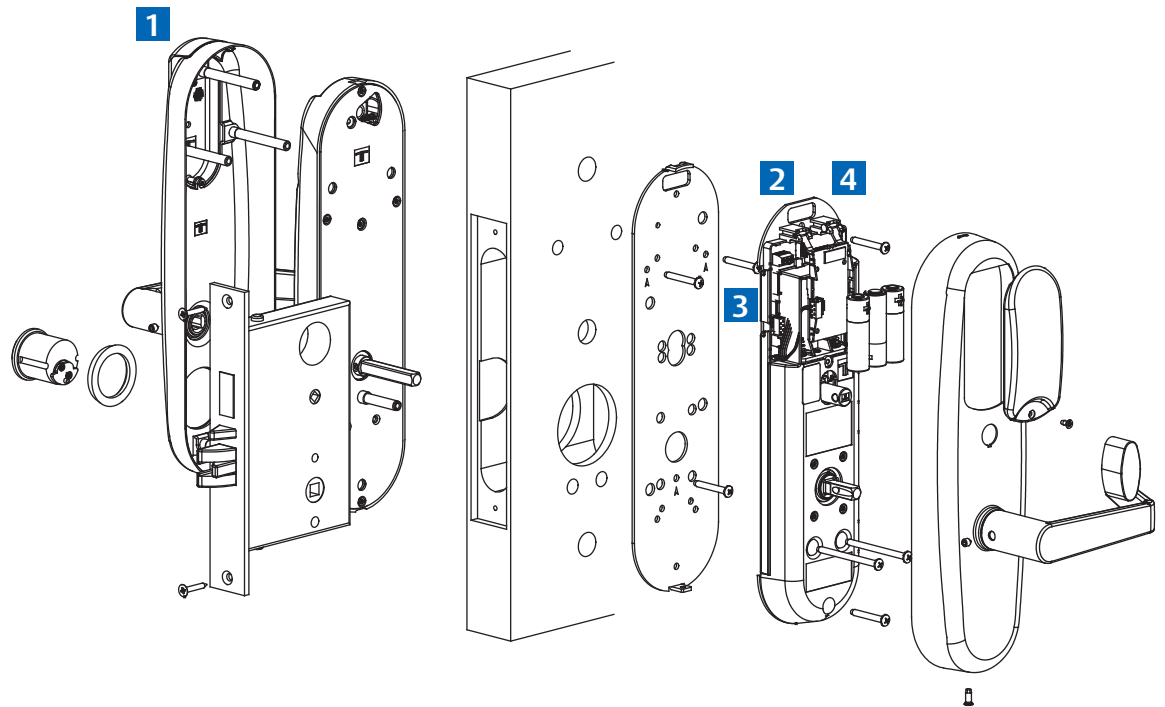|		
	Door profiles	Suitable for wooden and metallic doors
	Traffic volume	Medium to high
	Exterior usage	Yes (Extreme version) Up to 85% humidity -20°C to + 70°C
	Hardware compatibility and installation	Suitable for retrofit Drilling, no cabling Doors from 38mm up to 110mm
	Power supply	Battery (from 120.000 to 170.000 cycles)* max. 3 years standby** Type of batteries: 3 LR06 AA 1,5V alkaline batteries
	Multi-authentication	No* * Keypad module can be added in the field
	Status information	Handle usage Thumb turn use: only in privacy model Door position: door sensor not included NO (normally open) connection Opening available via push button Cylinder use: opening via mechanical key
	Certifications	CE (EMC, R&TTE) ROHS, REACH, WEE
	RFID technologies	HID iCLASS® MIFARE Classic and Ultralight DESFire
	Compatible mobile solution	TESA SMARTair (Remote opening app)
	System management upgradability	Escutcheons can be upgradeable from Standalone > Offline / Update On Card by: · Firmware upgrade with Upgrade Key Offline / Update On Card > Wireless Online by: · Adding RF module · Firmware upgrade

* Depending on reading technology (MIFARE, iCLASS etc.):
** Depending on cycles per day.

Electronic Technical Characteristics

1 Reader Module

· Activation Mode: The escutcheon is activated without any previous contact with the escutcheon, just approaching the credential, ensuring an efficient power consumption.

· Reading distance: 2-4 cm read/write distance with standard RFID credentials.

· Emergency opening: Jack connection is available to connect the portable programmer and emergency kit.

· RFID reader with LED (green/red) for different warning signals: access authorized or denied, low battery level, etc.

2 Control Unit

· Upgradeable firmware.

· Non-volatile memory. The escutcheon can be programmed to operate in 3 modes:
  · Normal mode: 1500 users and 600 events.
  · Extendee mode: 1000 users and 1000 events.
  · High traffic door: unlimited number of users filtered into 48 groups (permissions). Stores 1000 events.

· Real-time clock and calendar:
  · 30 time zones with 5 time periods (week days and holidays selectable).
  · State tables: configure 20 changes of operating modes in a door per day (switch door from lock to unlock).
  · Yearly calendar: is updated every month automatically by the wireless system.
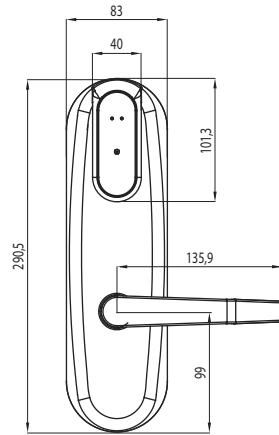 · Automatic DST: Daylight Saving Time change. Updated with calendar.

· Operating modes:
  · Standard: Default operating mode. Freewheeling handle until valid credential presented, then allows to open the door for 4-10 seconds (configurable).
  · Standard ADA: Standard with double opening time.
  · Passage mode: Escutcheon is always in open mode (configured by time zones or by authorized user after double badging).
  · Double user: Two valid credentials needed to open de door.
  · First user: lock in standard mode until first valid user enters, then will remain in passage mode (until closed by authorized user or automatically by time zone, state tables).
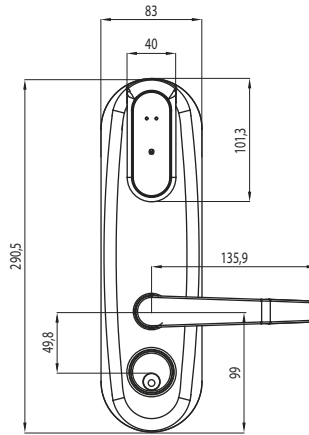
3 Battery Module

· Easy battery change.

· Maintains clock/calendar for 5 minutes without batteries.

· Battery status reported on every event or once a day if no event happens.
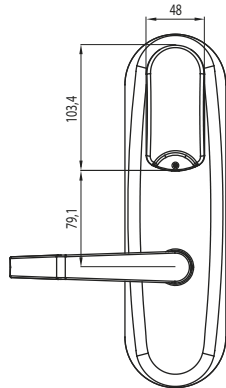
4 RF Module

· 868MHz, 902MHz or 915MHz selectable in field.

· 30 configurable channels:
  · From 868,00 to 875,25 in steps of 0,25Mhz each channel.
  · From 902,00 to 909,25 in steps of 0,25Mhz each channel.
  · From 915,00 to 922,25 in steps of 0,25Mhz each channel.

· Auto-link with communication Hubs (easy setup).
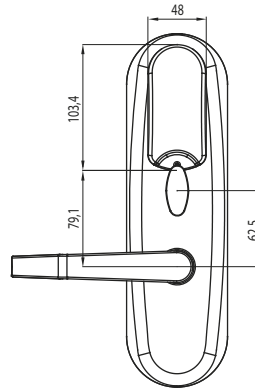
· Upgradeable firmware.

Mechanical Technical Characteristics
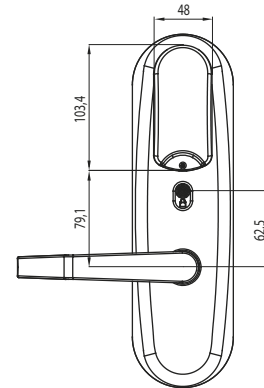

Ext. Proximity

Ext. Proximity Cylinder

Int. Blind

Int. Privacy

Int. Electronic Privacy

Mortise Lock

· Compatible with ANSI standard mortise locks and tubular latch (activated by 8mm spindle).

· Pass through follower required (no split spindle).

· 60º handle turning should insert whole latch bolt.

· Mortise lock and mechanical cylinder are not included. The escutcheon incorporates the adaptor to fit a mechanical ANSI cylinder.

Door width

· Suitable for doors with a thickness from 38 to 110mm.

· The escutcheon's spindles have different lengths depending on the thickness of the door.

· Spindle is dismountable, for flexibility in field.

External Handle

· Freewheeling handle connects to spindle when access is granted.

· Sena and Toledo handles are already fixed when delivered.

· Hand is selected in the field and is easily changeable.

Internal Handle

· Panic function, internal handle always opens door.

Handle shapes and surfaces

Sena

Toledo

Satin Chrome

About Mul-T-Lock®

Mul-T-Lock® is the worldwide leader in developing, manufacturing and marketing high security products and access control solutions to the residential, commercial and institutional markets, for over 45 years. Adhering to the most stringent security standards, Mul-T-Lock® products are sold via 20,000 authorized and trained service centers on every continent. Mul-T-Lock® holds tens of international patents for its innovative products,which provide safety, security and convenience. Mul-T-Lock® in an ASSA ABLOY Group Brand.

For more information visit mul-t-lockusa.com

⟫ SMARTair®
Your Access. Your Control.

SMARTair® is a powerful access control system that offers an intelligent, yet simple, step up from keys. SMARTair™ is the cost-effective alternative to a full high-security system. SMARTair® contactless, smart card technology is easily incorporated into existing systems, with multiple management solutions. No bells, whistles, or wires, just sleek, reliable security.

MUL-T-LOCK®

www.mul-t-lock.com

An ASSA ABLOY Group brand   ASSA ABLOY