E9600

Networked Electronic Lock
Contactless MIFARE

The XS4-60 wide version are specially designed to fit on most Euro profile heavy and strong doors, and works with the majority of European mortice locks and cylinders bringing all the benefits of a networked system through the SALTO Virtual Net (SVN).

Furthermore, the Mifare RFID contact less ID technology read & write information on contact less smart cards (RFID) compatible with ISO 14.443A, ISO 14.443B and ISO 15.693 (VICINITY) standards, and as MIFARE, DESfire or VICINITY technologies. They also allow for updating of the carriers via the SALTO Virtual Net (SVN) technology.

These SALTO electronic locks are compatible with NFC (Near Field Communication) technology which allows NFC enabled cell phones to act as contactless data carriers to open and control SALTO access controlled doors.

It offers no end of interesting possibilities as multiaplication with others systems using the same card. Simple and intuitive use and the possibilities that the key can any shape make this system a good option for your special needs.

Access control features

- Maximum number of users per door: 64.000
- Maximum number of doors per system: 64.000
- Maximum events on lock audit: 1000
- Managed through SALTO software Pro Access or HAMS

- Timezones: 256
- Timeperiods: 30
- Calendars in system: 256
- Zones in system: 1024
- User groups: unlimited

Opening modes

- Standard (locked at all times)
- Office (free passage ability)
- Timed Office (free pasage with automatic locking)
- Automatic opening (8 pairs of "hands free" timed lock and unlocks per day with holidays)

- Automatic Opening + Office
- Toggle (present card to lock, present card to unlock)
- Timed toggle (automatic locking at end time)

Mechanical features

- Dimensions: 290mm x 67mm x 20mm.
- Weight: 2.2kg.
- Handle rotation: 52º
- Spindle compatibility: 7mm, 8mm or 9mm.
- Door thickness compatibility: 30mm to 115mm.
- Distance from the handle to the cylinder: 47mm to 110mm (inside) 70mm to 110 (outside).
- Handle clutch mechanism.
- Inside always allows free egress (anti panic in combination with lock).

- Concealed fixing screws for greater security and improved aesthetics.
- Body and escutcheon made of steel.
- Handle fixed by Steady Fix system (patented).
- Handles compatible: 16mm Ø, 18mm Ø.
- High security through advanced hardened high resistance anti-drill plates to protect wires and reader area and additional extreme protection through hardened axes and floating steel balls in the handle area.

Mortise lock compatibility:
DIN Locks
European Locks
Metal millwork

Cylinders compatibility:
European cylinders
Swiss cylinders
Some tubular latches

Squared spindles compatibility:
7mm, 8mm & 9mm.

Electronic features

- Wire free stand alone networked system though SVN technology.
- Locks are connected to the system through the Salto Virtual Network improving the security and efficiency of the system.
- Non volatile memory (is not deleted, even without power).
- Electronic privacy option through thumb turn or button on inside escutcheon. This blocks all the carriers from operating the lock, except management master keys which will always override this privacy mode to gain entry in cases of emergency.
- Escutcheons are equipped with a low consumption real time clock function, which allows time zones access planning and the use of 30 different calendars.
- Dual colour LED (green/red) to indicate lock authorisation.
- Special blink indication when lock is in privacy mode.
- Possibility to enable/disable the acoustic signal.
- Power supply: 3 alkaline batteries LR6 AA 1,5V. optional lithium batteries FR6 - AA1,5V.
- Battery autonomy up to 50 000 openings

ID technology

- 13.56MHz contactless RFID identification.
- ISO 14.443A, ISO 14.443B and ISO 15.693 (Vicinity), Mifare, DESfire Compatible.
- Near Field Communication (NFC) compatible.
- Key card available: 112bytes (i-code), 1Kbyte (Mifare) and 4Kbytes (Mifare).
- Key shape available: ISO 7810 Cards, fobs, bracelets, stickers, watches…
- Reusable key cards.
- SALTO Virtual Network (SVN) compatible.
- Read & Write technology, there's a contactless exchange of information between the card and the reader.
- High security, by using password and encrypted Proximity cards.
- Multiaplication with other systems using the same card through shared sectors.
- Customized issuing card through the SALTO Authorization Media software (SAM).
- Water proof cards which can be customized.

Contact less MIFARE key cards
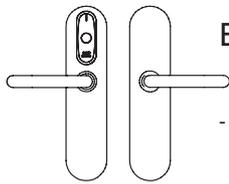
Contact less MIFARE fobs
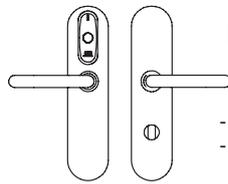
Contact less MIFARE bracelets
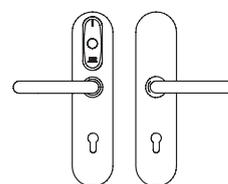
Contact less MIFARE watches

Models range

E9650
- 2 handles any type

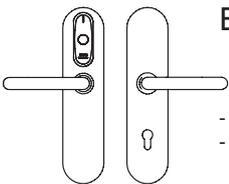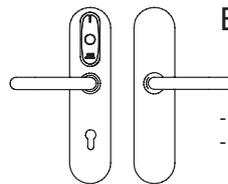### E9651
- 2 handles any type
- Inside thumbturn

E9652
- 2 handles any type
- Inside/Outside cylinder cut out

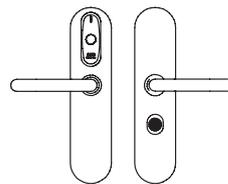### E9653
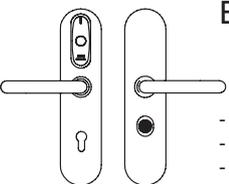- 2 handles any type
- Inside cylinder cut out

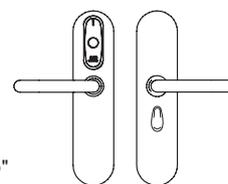### E9654
- 2 handles any type
- Outside cylinder cut out

E9656
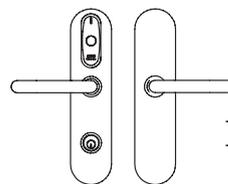- 2 handles any type
- Electronic "do not disturb" system

E9657
- 2 handles any type
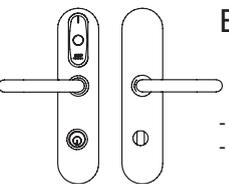- Outside cylinder cut out
- Electronic "do not disturb" system
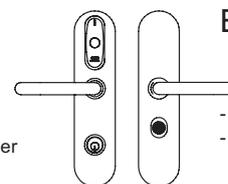
E9658
- 2 handles any type
- With privacy detector

E9660
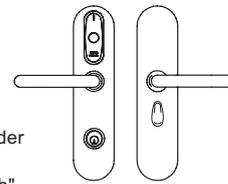- 2 handles any type
- Built-in mechanical cylinder with audit.

E9661
- 2 handles any type
- Built-in mechanical cylinder with audit.
- Inside thumbturn

E9666
- 2 handles any type
- Built-in mechanical cylinder with audit.
- Electronic "do not disturb" system

E9668
- 2 handles any type
- With privacy detector
- Built-in mechanical cylinder with audit.

Outside handle: Free floating system, which connects the handle when access is granted.
Inner handle: Inside always allows opening (anti panic function in combination with lock).
Inner thumbturn: For direct drive of the latch or deadbolt.
Inside/Outside cylinder cut out: For mechanical cylinder (cylinder not included).

Electronic "do not disturb" system: Blocks access when someone is in the room.
Built-in mechanical cylinder with audit: allows mechanical opening of the lock and creates an audit of the mechanical opening.
Privacy detector: mecanical system that switch the electronic to privacy mode.

Handles

| model U | model S | model W | model H | model C |
| model P | model B | model O | model L | model A |

Finishes

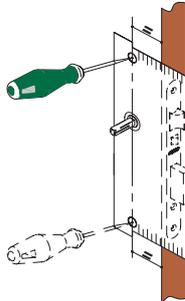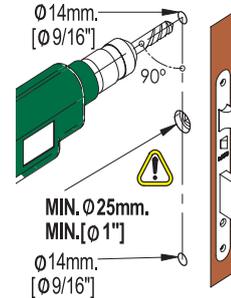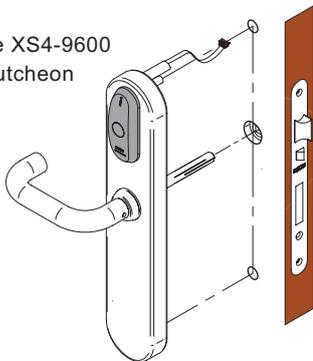| Satin stainless steel | Polished stainless steel | Polished brass PVD | Satin brass PVD | Antique brass | Black | White | Coloured |

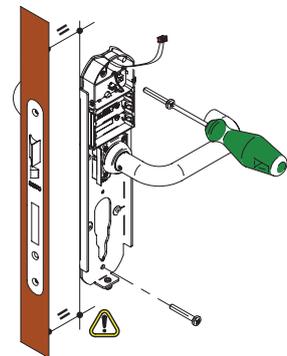## Installation

1- Mark the door with the SALTO template

2- Drill two 14mm holes as shown.

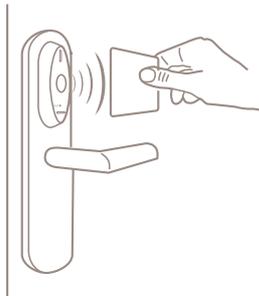Ø14mm. [Ø9/16"]
90°
MIN. Ø25mm. MIN.[Ø1"]
Ø14mm. [Ø9/16"]

3- Install the XS4-9600 external escutcheon

4- Install the XS4-9600 inner escutcheon and connect both escutcheons.

Use

Just by approaching the card to the reader, the outside handle will grant or deny access. The user is notified of the decision by both audible and visual signals and at the same time the following additional information is transferred;

- Recording of the event on the user card.

- Recording of low battery status (if applicable).

- Updating of the latest black list of cancelled / deleted cards (SVN) in the lock.

Certificates

IP Certificatation: level 46
RF Certification: RF60 - EN1634
EN Certificatation:
EN 300330-1 V1.3.2 (2002-12)
EN 301 489-1 (2002)
EN 301 489-3 (2002)

EN 55022 (1994), class B
EN 55024 (1998)
EN 61000-6-1 (2001)
EN 61000-6-2 (2001)
EN 61000-4-2 (1995)
EN 61000-4-3 (1995)

Operating temperatures

External escutcheon: -20ºC / 70ºC
Inner escutcheon: 0ºC / 70ºC
-20ºC / 70ºC using lithium batteries (FR03 AAA).