

The XS4-40 narrow versions are specially designed to fit on most European doors, and work with the majority of European mortice locks and Euro Profile cylinders bringing all of the benefits of a Networked system through the SALTO Virtual Network (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 in multiplication with other systems using the same card. With simple and intuitive use and the possibilities that the ID Carrier is available in many shapes make this system ideal for special needs applications.

### 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 passage 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: 282mm x 40mm x 20mm.
- Weight: 1.5 kg.
- Handle rotation: 33°
- 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 compatibility: 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 plates 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 LR03 AAA 1,5V. optional lithium batteries FR03
- Battery autonomy up to 30 000 openings

### ID technology

- 13.56MHz contact less 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 contact less exchange of information between the card and the reader.
- High security, by using password and encrypted Proximity cards.
- Multiplication 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.



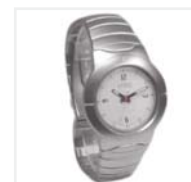
Contact less MIFARE  
key cards



Contact less MIFARE  
fobs

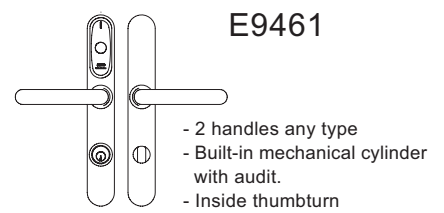
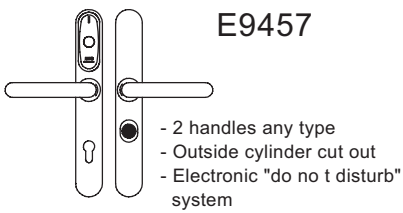
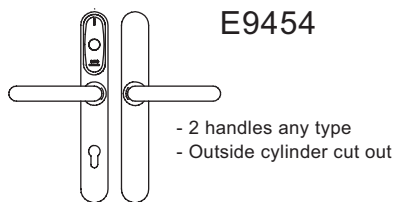
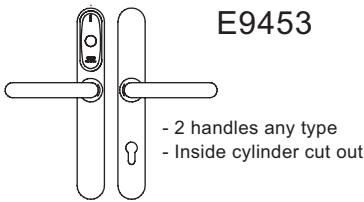
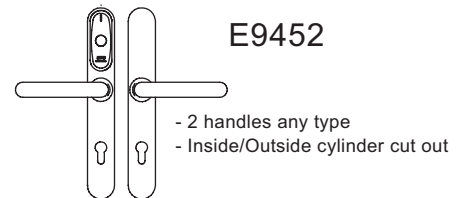
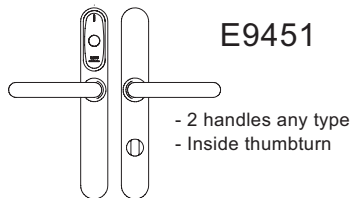
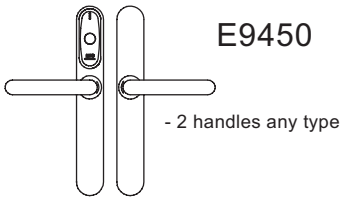


Contact less MIFARE  
bracelets



Contact less MIFARE  
watches

### Models range



**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.

### 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



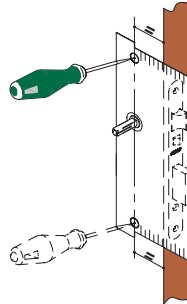
White



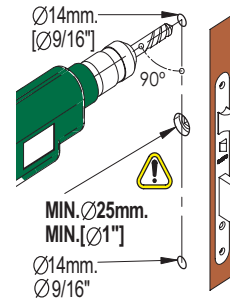
Coloured

### Installation

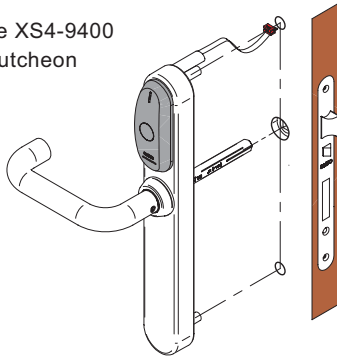
**1-** Mark the door with the SALTO template



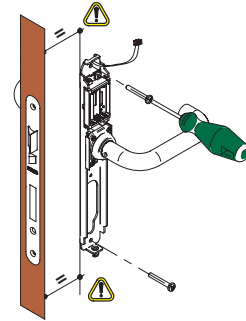
**2-** Drill two 14mm holes as shown.



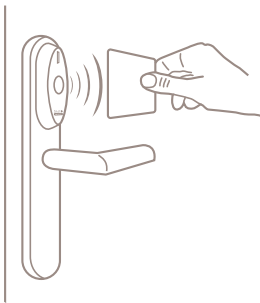
**3-** Install the XS4-9400 external escutcheon



**4-** Install the XS4-9400 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 Certification:** level 46  
**RF Certification:** RF60 - EN1634  
**EN Certification:**  
 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:** -20°C / 70°C  
**Inner escutcheon:** 0°C / 70°C  
 -20°C / 70°C using lithium batteries (FR03 AAA).

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 Salto Middle East, Abu Dhabi - Salto Portugal, Oporto