

U-Prox IP500 Smart Handle Installation manual

Features

- Power 3 AAA alkaline batteries
- 32000 openings after battery replacement
- 2 years operation after battery replacement
- Built-in ASK and FSK reader
- Direct operation with U-Prox IC L panel at 915.5-927.5 MHz
 - Guaranteed range 6 - 20 m
 - U-Prox HE and U-Prox HW repeaters for range extension
- Door contact input
- Request-to-exit on inner door handle
- Adjusted with U-Prox IP software
- Real-time clock
- Non-volatile memory:

IDs	3000	Time zones	250
Permanent	1000	Weekly schedules	250
Temporary	2000	Holidays	250
Events	6000		

- Temperature range: 0 - +55 °C at 80% relative humidity.
- Maximum relative humidity 80% without condensation

Changing the locking side

It is possible to install U-Prox IP 500 Smart Handle both on right hand door or on left hand door (see examples on Fig. 1)

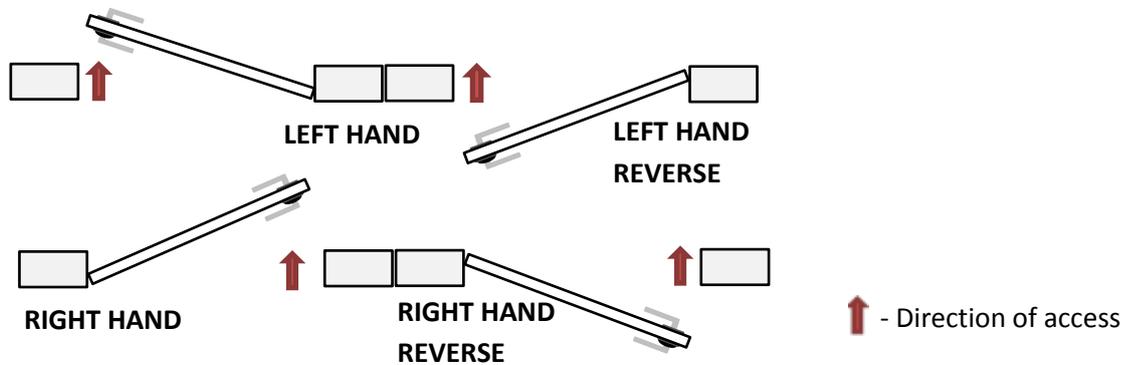


Fig.1. Handing Examples

U-Prox IP 500 Smart Handle supplied for without defined door side. To set handles into position for installation on desired door side proceed:

A. Outer escutcheon (See Fig. 2)

1. Release stopper rotating it on 90°
2. Alter handle position
3. Return stopper to initial position

B. Inner escutcheon

1. Alter handle position
2. Fix it with handle fixing screw

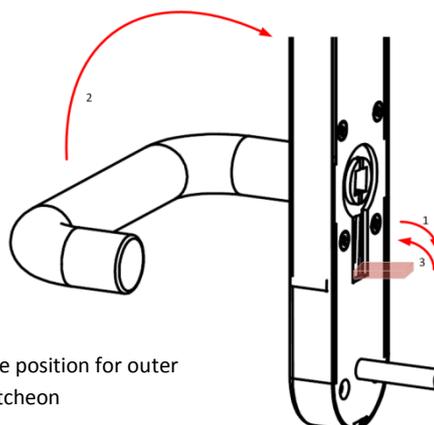


Fig. 2. Alter handle position for outer escutcheon

Installation sequence

- Before installation remove old mortise lock and escutcheons, mark and drill holes and mortises in the door according to the lock installation manual and template, supplied with Smart Handle

Warning!!! Remove the dividing washer from 3572 lock to allow the spindle to go through the lock.

- Mount strike according to the mortise lock installation instruction

DO THIS ONLY IF DOOR CONTACT WILL BE USED, OTHERWISE SKIP THIS STAGE

- make opening for door contact and its wiring as shown below and install supplied Request-To-Exit micro switch according to instructions below

Warning!!! If the door contact connected and Request-To-Exit micro switch hasn't been installed any door opening with the inner handle generates an event FORCED DOOR OPEN.

Door contact installation

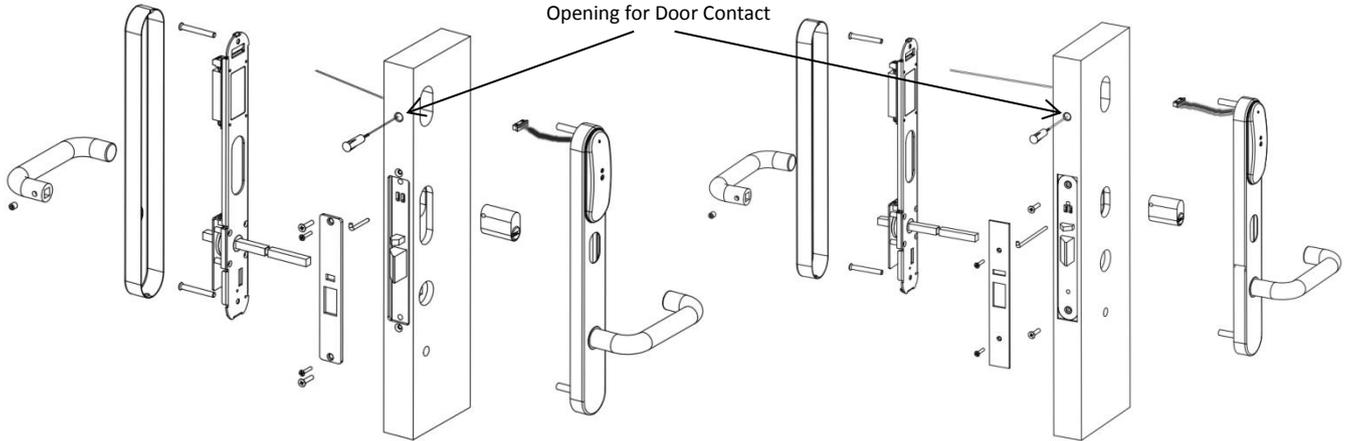


Fig. 3. Cable running model for Lockwood 3582 Mortise Lock (left) and for Lockwood 3572 Mortise Lock (right)

Door contact connection

Panel has one terminal for door contact connection. Loop is normal when shorted that means that door is closed and signals the door opening on breakage.

Normally panel supplied with Request-To-Exit and Door contact switched OFF. To use Door contact install Request-To-Exit micro switch and enable Door contact supervision during its adjustment in U-Prox IP software.

Panel defines the access point state with the door contact. It is impossible to detect the door forced open or door opened too long access point states without the door contact proper operation.

Panel generates the "Entry occurred" message on inner handle press when the door contact is absent. **To enable door contact** set the Z1 zone as 'Door A' pass direction detector.

Request-To-Exit contact connection

Normally panel supplied without installed Request-To-Exit sensor. In this case, you must adjust Request-To-Exit micro switch on inner escutcheon according to the figures below:

1. Unscrew 4 screws fixing handle release mechanics (Fig. 4)
2. Install micro switch into the correct position (Fig. 5)

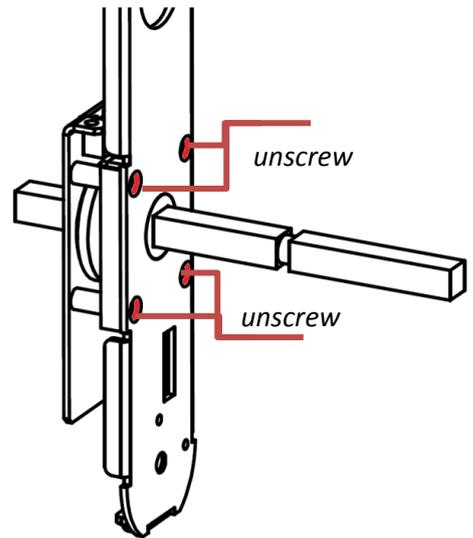


Fig. 4. Opening handle release mechanics

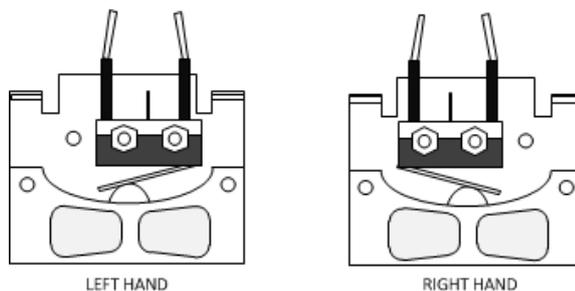
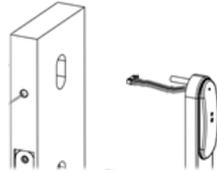


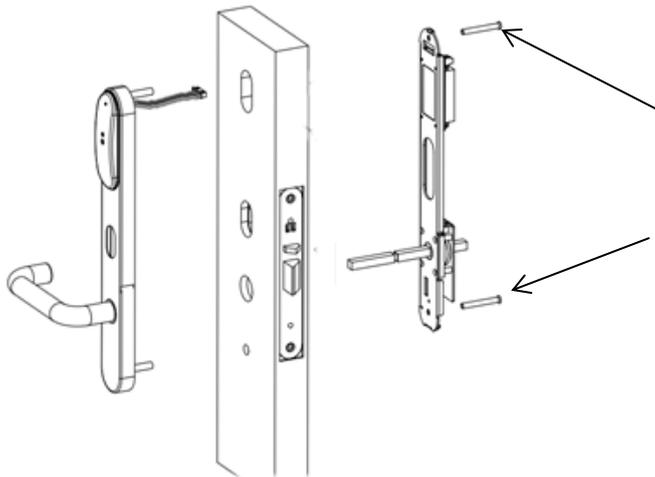
Fig. 5. Installing microswitch

3. Install handle release mechanics back on its place.

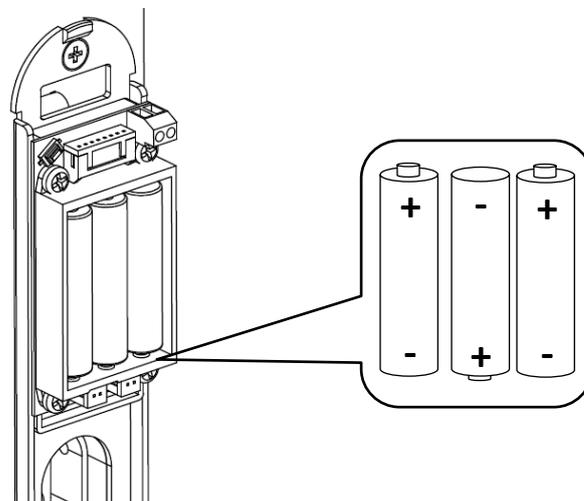
- Install the mortise lock and fix it with screws according to the mortise lock installation instruction
- Install the outer escutcheon and run connection wire through the prepared for it opening



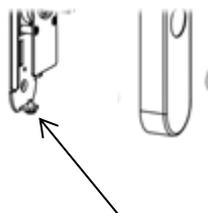
- Connect magnetic door contact to the DC terminal on the Battery Holder PCB (optionally)
- Connect controller wiring to the Battery Holder PCB
- Install inner escutcheon. Take care that rectangle spindle fell into corresponding holes in the mortise lock and outer escutcheon precisely
- Fix inner and outer escutcheons with screws



- Insert the cylinder (if used) and secure it according to mortise lock installation manual
- Place the batteries into the battery holder following the polarity



- Put on the cover of the inner escutcheon and fix it with screw, rotating it counterclockwise (unscrew)



- Place the inner handle on the rectangle and fix it with screw
- Add the panel to the access control system database according to the access control system manual
- Download panel from the access control system according to the access control system manual