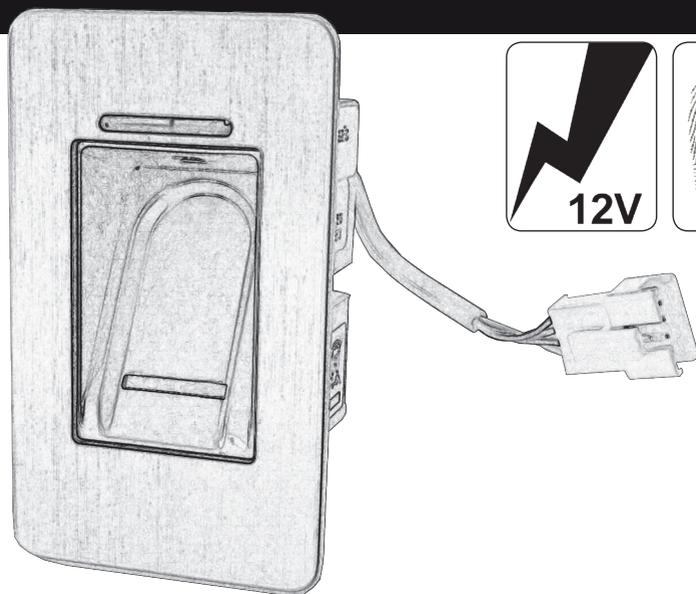


POWERED ELECTRONIC LOCK FINGERPRINT SCANNER 99.690



GENERAL WARNINGS

Mottura Serrature di Sicurezza S.p.A. thanks you for choosing this product and reminds you to:

- Read these instructions very carefully before installing and using this product and before doing any maintenance.
- Keep these instructions for future use and attach the sales receipt to validate the warranty.
- In case of problems, contact your authorized dealer only.

DO NOT use a liquid, spray, or wet cloth to clean the escutcheon! If liquids enter the scanner, they will oxidize and permanently damage its components. Use a dry cloth only.

DO NOT paint the escutcheon with any method or substance. Failure to follow these instructions will immediately void the warranty.

Mottura Serrature di Sicurezza S.p.A. reserves the right to modify the characteristics of the products described in these instructions at any time and without notice. The fingerprint scanner must be powered **ONLY** with a direct current (DC) line adapter with voltage from 8 to 24 V and current not below 350 mA (for example, Mottura adapter 99.683). Be very careful to respect polarity.

DO NOT power the scanner in alternating current (AC): doing so will permanently damage it.

These power instructions refer **ONLY** to the fingerprint scanner, **NOT** to the lock, which has its own installation manual.

Battery power is not advisable: the batteries would drain very quickly.

After powering the scanner for the first time, or after a blackout, you have to wait at least 10 minutes for the sensor to heat, otherwise the scans may be incorrect.



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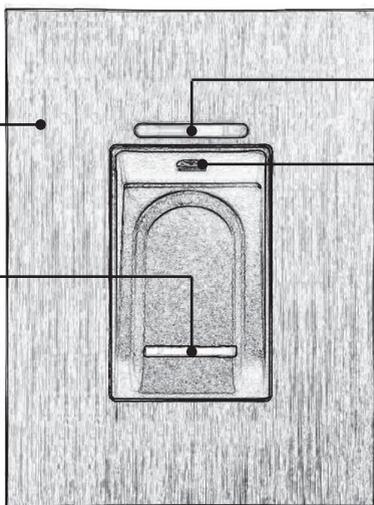
1. ESCUTCHEON

BRUSHED STEEL ESCUTCHEON

SWIPE-TYPE FINGERPRINT SCANNER WITH SENSOR SELF-CLEANING DEVICE

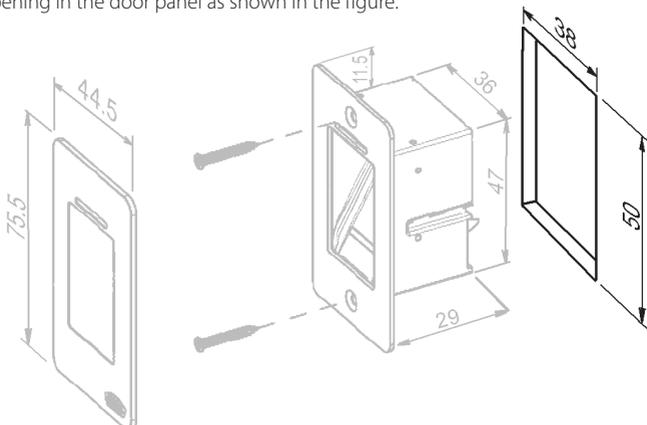
GREEN / RED LED
(FUNCTIONS SIGNAL)

BLUE LED
(POWER STATUS)

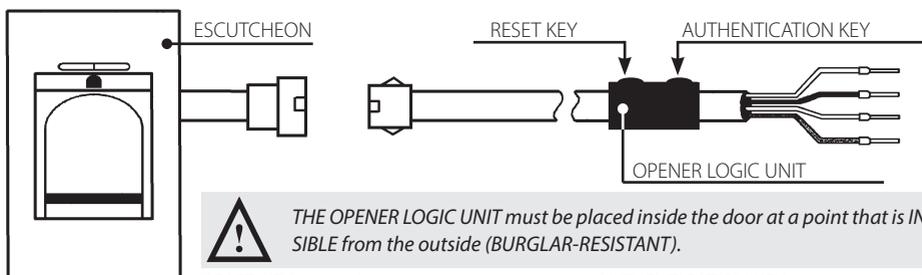


2. ASSEMBLY AND ELECTRICAL CONNECTION

Make a 50 x 38 mm opening in the door panel as shown in the figure.



Connect the scanner to the door opener logic unit.



THE OPENER LOGIC UNIT must be placed inside the door at a point that is INACCESSIBLE from the outside (BURGLAR-RESISTANT).

RESET KEY: press for 5 sec. to return the scanner to factory settings.

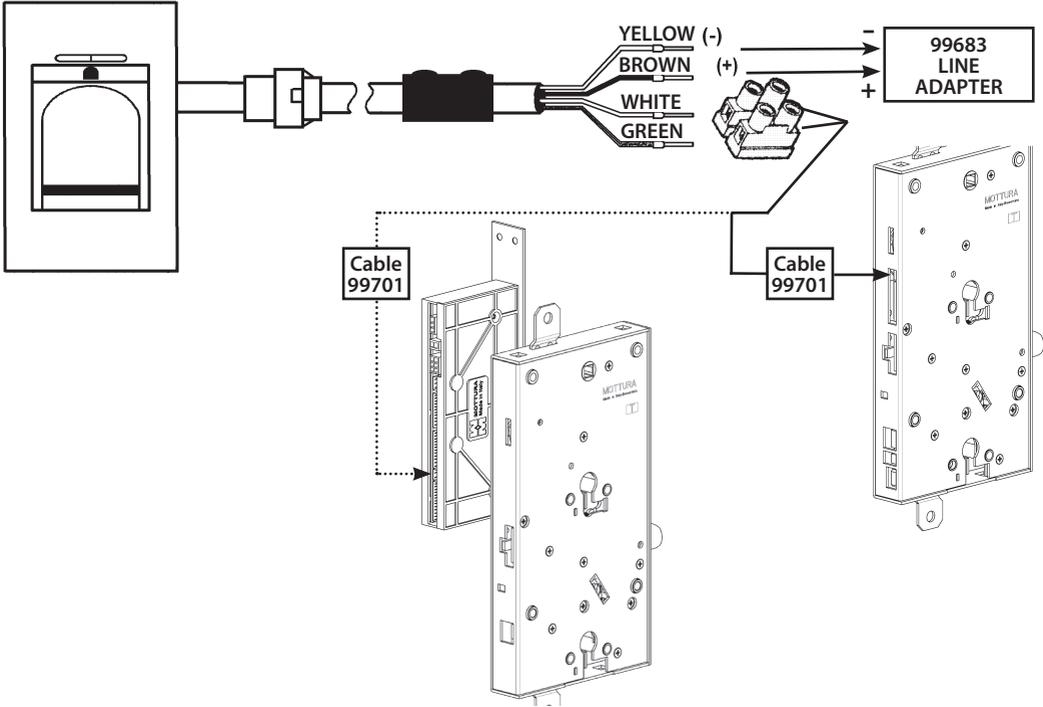
AUTHENTICATION KEY: required only if the opener logic unit is replaced.

Connect the fingerprint scanner to the lock and to the line adapter.

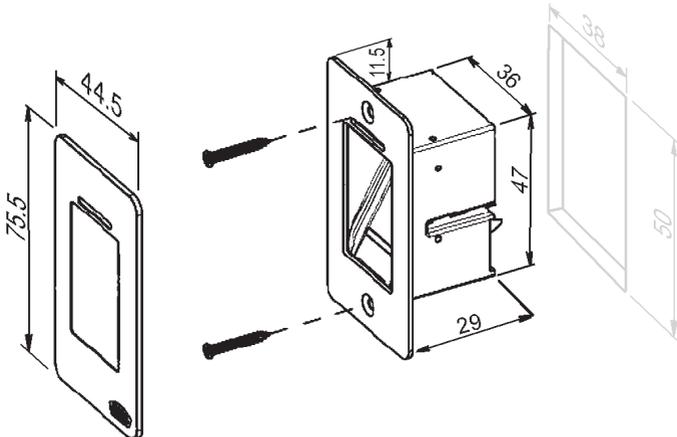


The connections must be made by a qualified technician in conformity to current electrical safety standards and to Rules of Good Engineering.

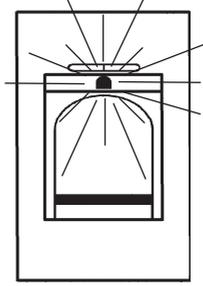
N.B. All connections must be made with the electrical supply switched off and the batteries disconnected.



Fix the scanner to the panel with the screws (supplied) and cover the base with the brushed stainless steel escutcheon (supplied).



Switch on power to the scanner and to the XMODE lock, and check that the blue LED located in the inside niche of the scanner is on.



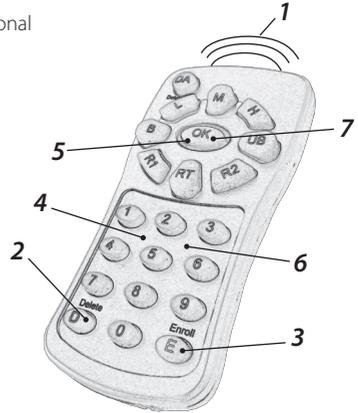
USER

3. CHANGING THE PIN CODE ON THE INFRARED REMOTE CONTROL

N.B. The remote control is supplied with a preset PIN code (shown on the adhesive label on the remote control).

For security reasons, you should change the factory-set PIN code with a personal PIN code, BEFORE recording any master or service fingerprint.

- 1 - Remote control pointed to blue LED
- 2 - Press D
- 3 - Press E
- 4 - Enter factory-set PIN
- 5 - Press OK
- 6 - Enter personal PIN (4-6 digits)
- 7 - Press OK

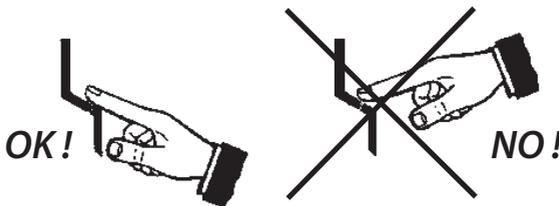


Your hands must be very clean when recording fingerprints. Use fingers without scars, otherwise they will be difficult to record or the results will be low quality.

4. MASTER FINGERPRINTS

The master fingerprint is NOT used to open the lock, but only to access programming/deletion of the service fingerprints on the scanner. We advise you NOT to use fingers habitually used.

As soon as you power-on the scanner, the two LEDs (green and red) light permanently. You must now record one or more master fingerprints in order to access the functions. You can record up to 3 master fingerprints (see the next section) by swiping your finger on the scanner as shown in the figure.



5. RECORDING MASTER FINGERPRINTS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|--|---|--|--|---------------------------------|---|
| 1 <i>MASTER FINGER-PRINT</i> | Swipe finger on scanner  | Red and green LEDs go off and then back on * | Repeat step 1 after 3 seconds  | Red and green LEDs go off and then back on * | Repeat step 1 after 3 seconds  | Only green LED stays on briefly | Red and green LEDs go off; recording done |
| 2 <i>DIFFERENT MASTER FINGER-PRINTS</i> | Swipe finger on scanner  | Red and green LEDs go off and then back on * | Repeat step 1 after 3 seconds  | Red and green LEDs go off and then back on * | After 3 seconds, swipe another master finger  | Only green LED stays on briefly | Red and green LEDs go off; recording done |
| 3 <i>DIFFERENT MASTER FINGER-PRINTS</i> | Swipe first finger on scanner  | Red and green LEDs go off and then back on * | After 3 seconds, swipe second master finger  | Red and green LEDs go off and then back on * | After 3 seconds, swipe third master finger  | Only green LED stays on briefly | Red and green LEDs go off; recording done |

* If the scan is faulty, the two LEDs stay on steadily and you have to repeat the procedure.

6. RECORDING SERVICE FINGERPRINTS

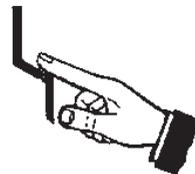
The service fingerprint is used only to open the lock. It cannot be used for recording/deletion functions. The fingers used to record service fingerprints must be DIFFERENT from the ones used as master fingerprint. Up to 150 different fingerprints can be recorded.

- 1 - Swipe the master finger on the scanner
- 2 - The red and green LEDs light briefly *
- 3 - Swipe the service finger
- 4 - The green LED lights briefly*; recording done
- 5 - After a few seconds the red and green LEDs start flashing; exit from programming

* If the finger is not recognized, only the red LED lights briefly and you have to repeat the procedure.

** If you want to record more service fingers, repeat steps 3 and 4.

Repeat the procedure for each service fingerprint you want to record, up to a maximum of 150.



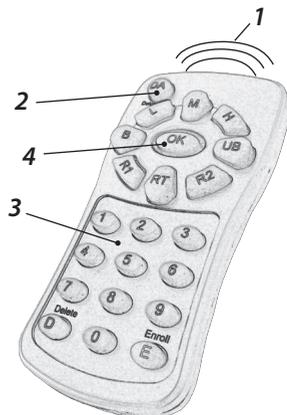
7. IDENTIFICATION AND OPENING OF THE LOCK

When the service finger is swiped, the green LED lights and the lock opens. If not (finger not recognized, finger dirty, or poor quality scan), the red LED will light briefly.

8. DELETING ALL FINGERPRINTS, FACTORY RESET

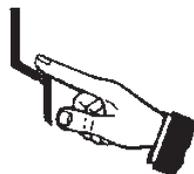
With the infrared remote control:

- 1 - Remote control pointed to blue LED
 - 2 - Press DA
 - 3 - Enter personal PIN; green LED light briefly
 - 4 - Press OK ; green LED and then green and red LED flash.
- The green and red LEDs on steadily indicate that deletion is done.
The scanner has been factory reset and no longer contains any fingerprints.



With master fingerprint:

- 1 - Swipe the master finger 3 times on the scanner
 - 2 - The red and green LEDs light briefly *
 - 3 - Green LED on: procedure done
 - 4 - Green and red LEDs on: deletion done
- * If the finger is not recognized, only the red LED lights briefly and you have to repeat the procedure
The scanner has been factory reset and no longer contains any fingerprints.



9. LOCKING THE SCANNER

Swipe a finger with an unrecorded fingerprint ten times: the red LED will light briefly after each swipe and you will have to wait about one second. After ten swipes the scanner will be locked.

10. UNLOCKING THE SCANNER

Swipe a finger with a recorded fingerprint (master or service). The green LED will light and the red LED will start flashing. After a few seconds they will both go off and the scanner will be back in operation.

