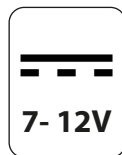
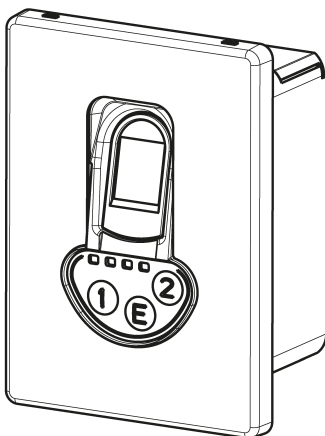


**99.781 (With battery)**

**99.782 (With network)**



**BLUETOOTH TAG / FINGERPRINT ESCUTCHEON**



## GENERAL INSTRUCTIONS

This manual is intended for technically qualified and trained installers.

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

- To read these instructions very carefully before installing this product and before doing any maintenance.
- That all assembly and connection procedures must follow good practice procedures and comply with current laws and standards.
- To NOT install this product in explosive rooms or atmospheres or in the presence of inflammable fumes/gases.
- DO NOT install this product on a door with risk of contact with water or atmospheric agents unless the door is adequately protected.
- To switch off the power supply and disconnect all live parts before doing any installation or maintenance work on the product. To take all possible precautions to eliminate the risk of electrical shock when performing installation or maintenance procedures described in this manual.
- That the installer must deliver these instructions and all of the maintenance instructions to the user.
- To keep these instructions for future reference and attach the sales receipt to validate the warranty.
- To contact authorized dealers only in case of problems.

Mottura Serrature di Sicurezza S.p.A. may change the characteristics of the products described in these instructions at any time and without notice.

## WARRANTY TERMS

This product has been inspected by Mottura Serrature di Sicurezza S.p.A. and is guaranteed to be free of all manufacturing defects for the time specified by current Italian law, starting on the date of purchase indicated on the sales receipt. The warranty is in force if the sales receipt, showing details identifying the product, is exhibited to customer service personnel. The warranty covers the replacement or repair of parts found defective at origin due to manufacturing defects. Costs of shipping to and from service centres will be paid by the customer. In case of repeated malfunctions of the same type or unrepairable defects, Mottura Serrature di Sicurezza S.p.A. may, at its own discretion, replace the entire product.

The warranty on the replaced product will continue until expiration of the original warranty. If service work must be performed at the customer's premises, the customer shall – if requested – pay the authorised technical personnel travel expenses.

Risks related to product transportation shall be covered by the customer when shipped directly by the customer, and by the authorised technician when the product is picked up and shipped by the technician

## LIMITS OF LIABILITY

The warranty does not cover damage deriving from:

- Negligence, carelessness or use in any manner not described in these instructions
  - Failure to protect the device before doing any procedure that may generate scrap or waste (welding, drilling of panels, drilling of structure, etc.) that prevents its correct functioning
  - Maintenance performed in any manner not described in these instructions or by unauthorised personnel
  - Transport without the necessary precautions and from any circumstances that cannot be attributed to manufacturing defects.
- In addition, Mottura Serrature di Sicurezza S.p.A. declines all liability for any damage to persons or property deriving from failure to observe all of the precautions described herein.

**N.B. : All electrical connections and mounting operations as well as subsequent service operations must be performed with the product DISCONNECTED from the power supply system.**





## WARNINGS

The device contains a short range radio frequency transmitter in the frequency band from 2400-2483.5 MHz and uses Bluetooth Low Energy (BLE) technology. The permitted European band is contained in the document ERC/REC 70-03 as band b) of Annex 3: WIDEBAND DATA TRANSMISSION SYSTEMS. There are no restrictions on use of this band in EU+EFTA countries.

All of BLE escutcheons can ONLY be used in combination with XMOTO or the internal escutcheon 99.785 dedicated for XNOVA.

## POWER SUPPLY WARNINGS



- Use AA type alkaline batteries (LR6) 3 x 1.5V that are good quality of the same brand and production lot, be careful to insert them with the correct polarity.

- Do not use AA type zinc-carbon batteries (R6). Rechargeable batteries should not be used due to the reduced autonomy that can be obtained.

- ALL of the batteries should be replaced together at least once a year or as soon as their charge state is insufficient.

LINE POWER SUPPLY, connect to the Mottura network adaptor with the polarity indicated on the board 7-12V serigraph housed on the back of the escutcheon and the data in the following table.

## WARNINGS FOR USE OF THE FINGERPRINT READER

For the best use of the fingerprint reader the product should not be installed in areas exposed to extreme temperatures, with abrupt changes in temperature, high levels of humidity or exposed to dust of any type and consistency. Avoid installing the product in places exposed to direct sunlight.

During the opening phase the finger needs to be placed in the same way as recorded during the memorisation phase. The sensor is programmed to work with a certain degree of security during fingerprint reading and will always and only recognise the same portion of skin read during the memorisation, therefore if the finger is placed differently it will NOT be recognised.

During the memorisation and reading phase, the finger must be placed with moderate pressure and must always be kept extended. The presence of moisture, water, dust, dirt or grease of any kind present on the fingerprints to record or read will make it very difficult or impossible to use the reader and for it to work correctly. Dry as well as cold skin, or the presence of cuts or abrasions on the fingerprints will prevent the reader from working well. These factors can negatively affect fingerprint use, even if the recording phase was performed correctly.



The recording and use of fingerprints is subjective, and can vary considerably from person to person, mainly in relation to the depth and quality of the digital fingerprints of each person. In any case, it is advisable for every user to also memorise a reference TAG in the eventuality that fingerprint reading does not work.



Pursuant to article 26 of Italian Legislative Decree no. 49 of 14 March 2014 "Implementation of EU Directive 2012/19 concerning waste electrical and electronic equipment (WEEE)" and article 9 of Italian Legislative Decree no. 188 of 20 November 2008 "Implementation of EC Directive 2006/66 on batteries and accumulators and waste batteries and accumulators" adequate waste sorting for subsequent sending of disposed equipment to recycling, treatment and environmentally compatible disposal contributes to avoiding possible negative effects on the environment and human health and promotes reuse and/or recycling of the materials composing the equipment.

Unlawful disposal of the product by the user may result in the application of penalties pursuant to current laws and regulations on the matter. We remind that batteries and power adapters, if present, must be removed before the device is disposed. Batteries and adapters must be collected and separately disposed.



# X TECHNOLOGY PRODUCT CONFIGURATION

**XDIGIT** 

\*\*\*\*



B&B



**XTRACK** 



**XMOTO**



Internal Unit  
XNova 99785 

**XNOVA**



**MULIXE**

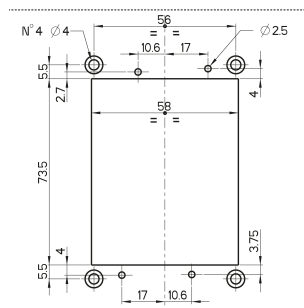
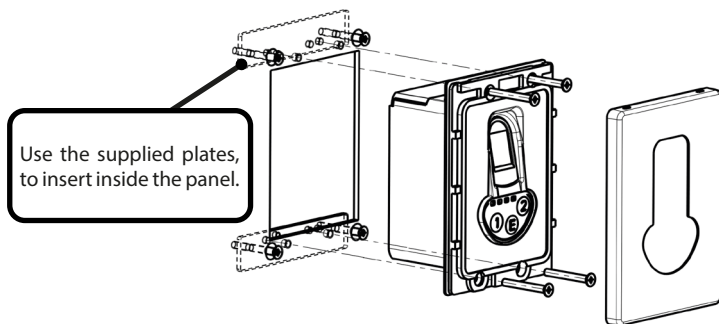


Mottura  
dedicated app,  
created to easily  
manage all your  
motorised systems

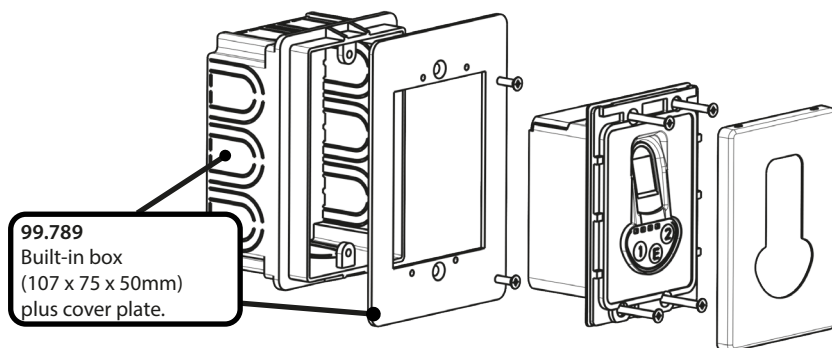


## INSTALLATION

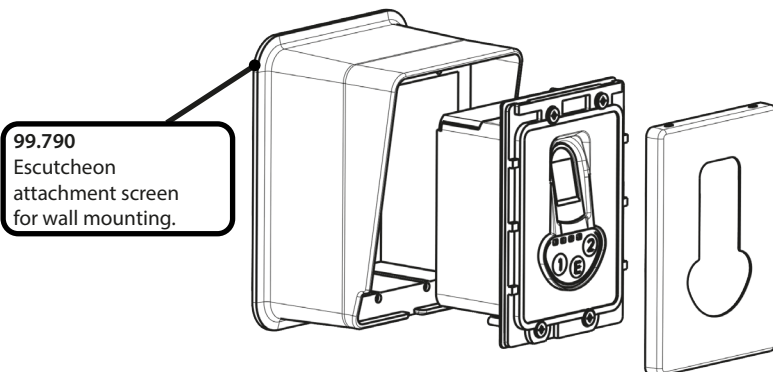
### Built-in on panel



### Wall mounted



### To Apply



## ESCUTCHEON

(SEE WARNINGS PAGE 2)



ESCUTCHEON COVER

FINGERPRINT READER

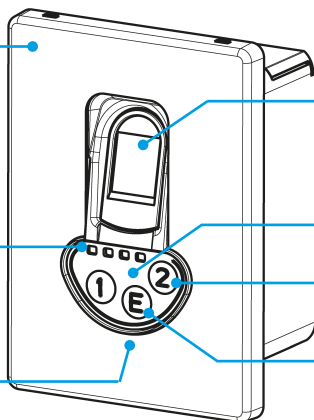
ACTIVITY INDICATION LED

FUNCTION KEYBOARD

MANUAL CLOSING BUTTON

TRANSPONDER TAG READER

CONFIRMATION BUTTON



**WITH BATTERY**  
**Art 99.781**

Battery pack

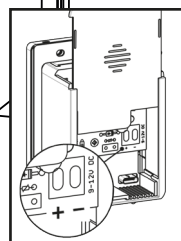
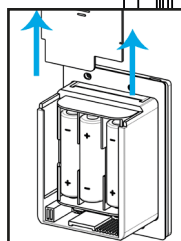
Line power supply

USB-C Input

**WITH NETWORK**  
**Art 99.782**

Insert the batteries with the poles positioned correctly.

Power up the escutcheon correctly following the indicated + - signs.

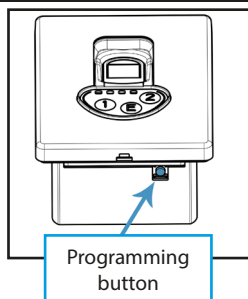


### BLE ESCUTCHEON TECHNICAL DATA TABLE

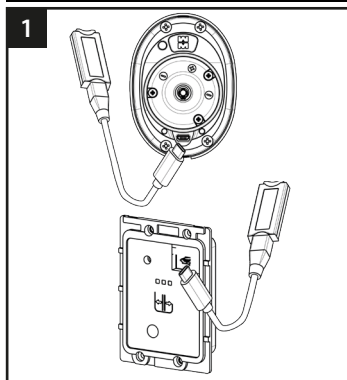
VOLTAGE	Network version	7 ÷ 12 V
	Batteries version	3 x AA (1,5 V) Type LR6 Alkaline batteries
MAXIMUM CURRENT	80 mA	
CABLE (Network version)	Rated section of cables	Min: 0,32 mmq (AWG22) Max: 2 mmq (AWG14) According to IEC60332
	Length	Recommended < 4 meters
OPERATING TEMPERATURE	- 10 ÷ 55 °C	
MAXIMUM DISTANCE FROM THE DEVICE TO CONTROL	< 3 meters (in open air)	

## PROGRAMMING BUTTON

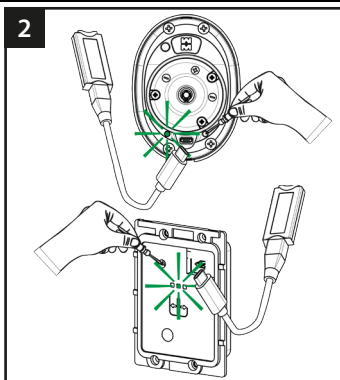
TIME (sec)	LED	FUNCTION	REQUEST ACTIVATION
0 ÷ 3	Green	Pairing (with the device)	
3 ÷ 6	Red	BLE software reset	
6 ÷ 9	Yellow	BLE factory reset	
9 ÷ 10		None (stand-by)	
11 ÷ 14	Red/Yellow	MCU software reset	x
14 ÷ 17	Green/Red	MCU AND BLE factory reset	x



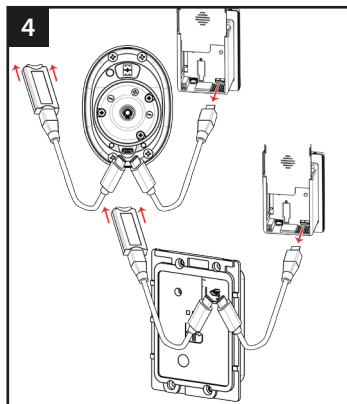
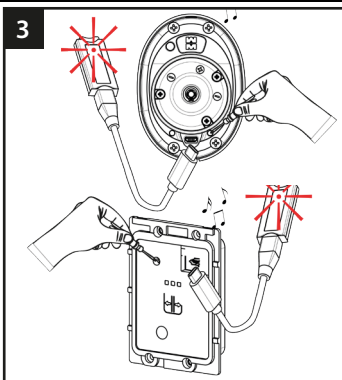
## PAIRING PROCEDURE with XMOTO or escutcheon 99.785



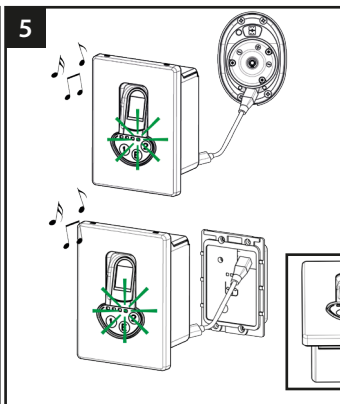
Connect the master flash drive to the knob or escutcheon.



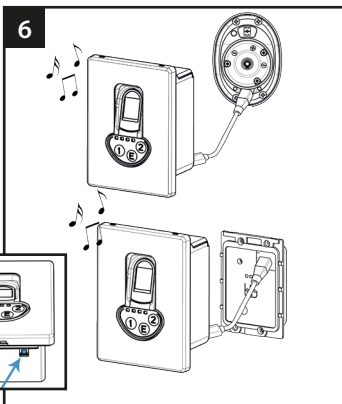
Press the programming button (3÷6 sec. The max) until the GREEN led goes on fixed. RED led on the key will light up and flash. Release the button, and check that the and at the end the knob will emit a sound which increases in level.



Disconnect the key from the cable and connect the cable to the accessory on the USB-C connector.



Press the programming button on the accessory within the limit of the required 20 sec. time until the led becomes fixed GREEN. Release the button making sure the GREEN led flashes.



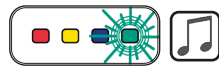
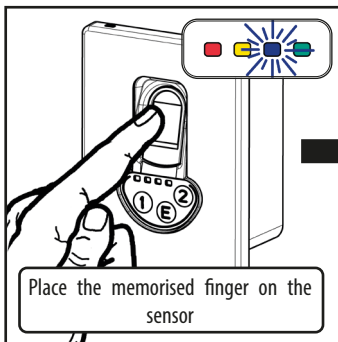
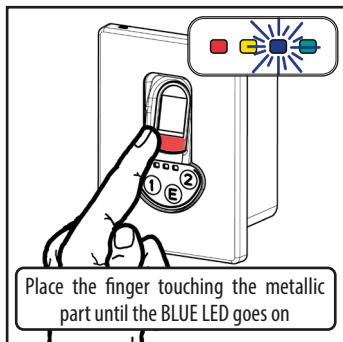
Press the button again until hearing a beep in the accessory that indicates the beginning of the sequence. Three beeps close together and an increasing sound first on the knob and then on the accessory indicate the end of the procedure that takes around 30- 40 sec.

## ESCUTCHEON ACTIVATION FOR OPENING

### WARNING

If just activated, there is a long series of audio signals along with a flashing red led which means that the accessory does not have the master credentials memorised, immediately enter at least one master credential. See first access programming

### Activate as fingerprint reader



POSITIVE recognition of the fingerprint and open command sent to the device

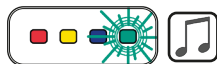
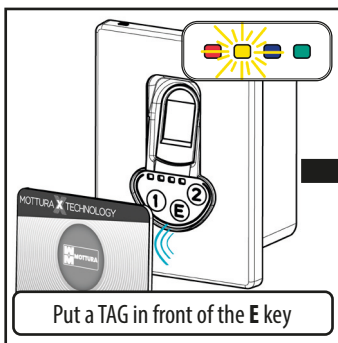
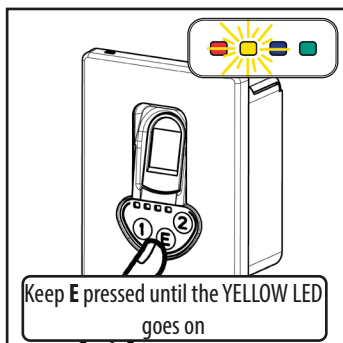


NEGATIVE recognition of the fingerprint and the system returns to stand-by

### WARNING

If no finger is placed after 8 seconds, a long sound and fixed blue led goes on indicating entry in the programming phase, see the PROGRAMMING part.

### Activate as TAG reader

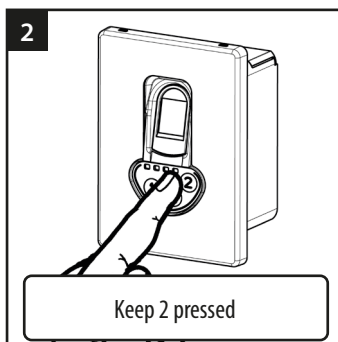
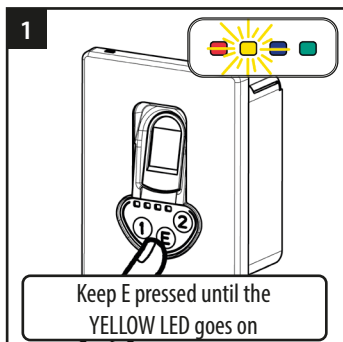


POSITIVE recognition of the TAG



NEGATIVE recognition of the TAG and temporary deactivation

## ESCUTCHEON ACTIVATION FOR CLOSING



A closing signal will be sent to the paired device.

## PROGRAMMING (First Access)

### Memorising the first MASTER finger

**1**

Press E, wait 8 seconds

**2**

Press 1 + E

**3**

Place the finger on the reader for the first time

Press E

**4**

Place the finger on the reader for the second time

Press E

**5**

Place the finger on the reader for the third time

Green LED memorisation OK

Red LED memorisation INCORRECT

### Memorising the first MASTER TAG

**1**

Press E, wait 8 seconds

**2**

Press 1 + E

**3**

Wait 10 seconds LED goes on Present the TAG which will become master

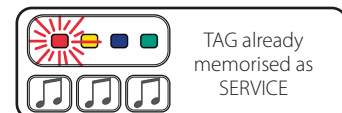
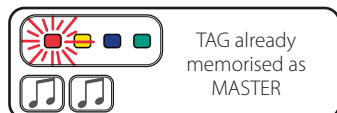
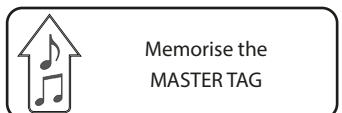
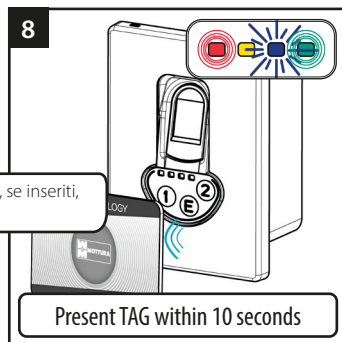
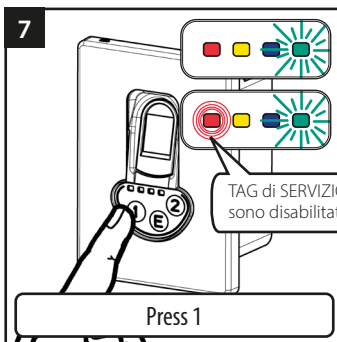
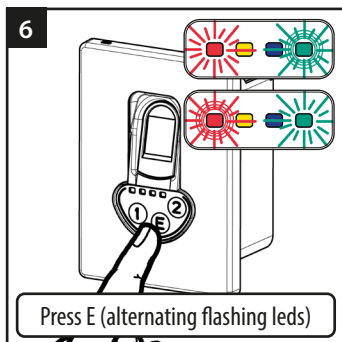
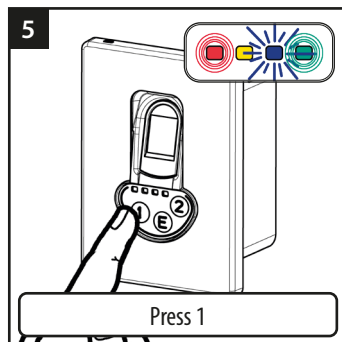
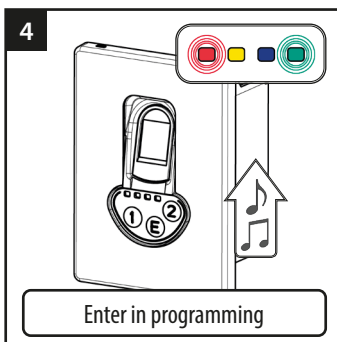
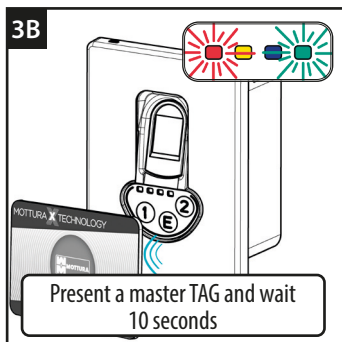
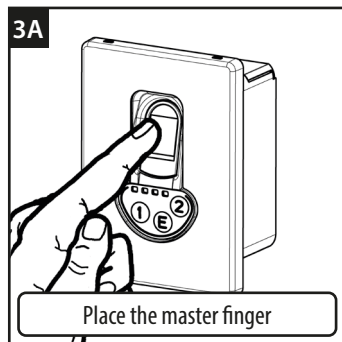
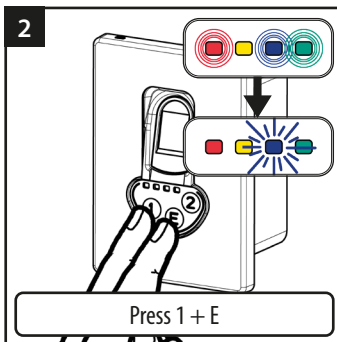
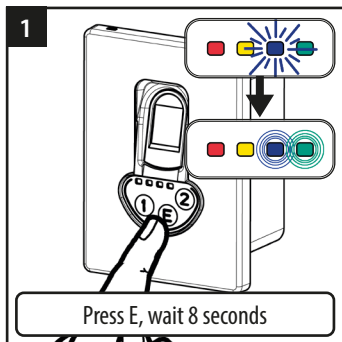
**N.B.**

From this time on the escutcheon has memorised the first master credential which will permit subsequent accesses to the programming menus, the no credentials signal when starting will disappear and the lock paired with the escutcheon can be opened.



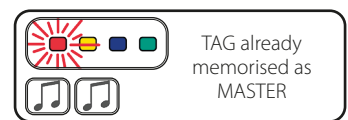
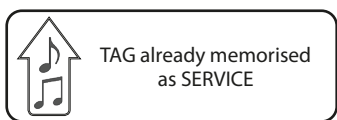
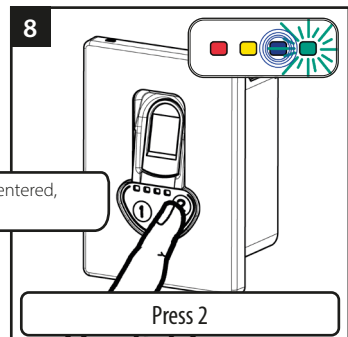
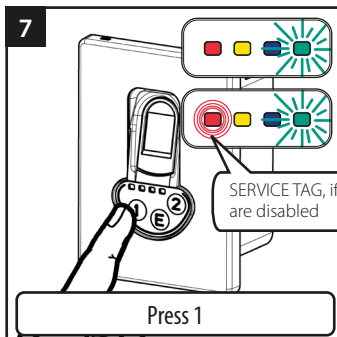
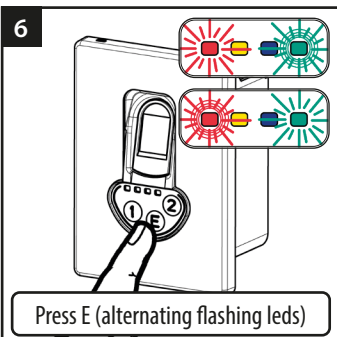
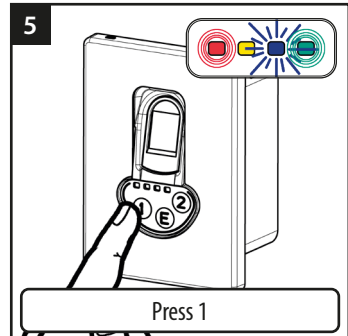
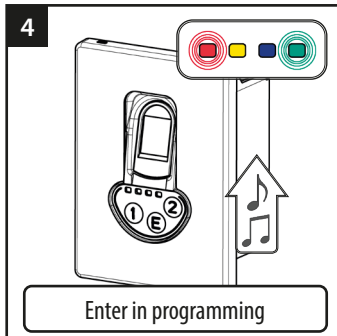
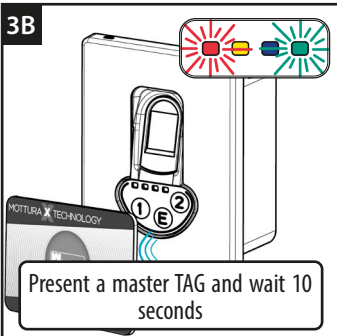
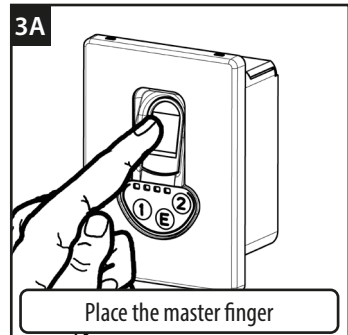
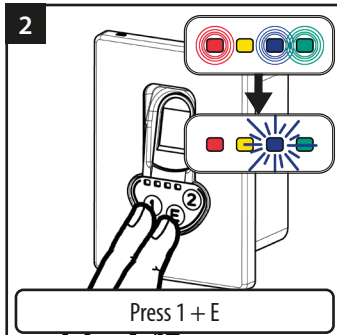
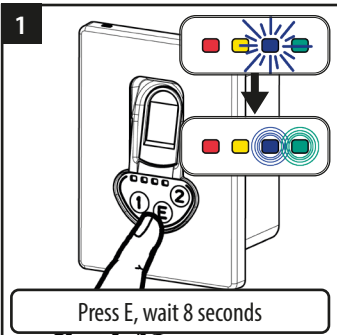
## PROGRAMMING

### Memorising the master TAG



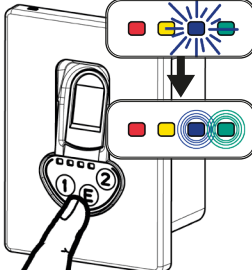
The system returns to point 7 To end press "E" or wait 20 seconds (exit time - timeout)

## Memorising service TAG

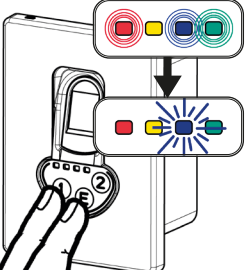


The system returns to point 7. To end press "E" or wait 20 seconds (exit time - timeout)

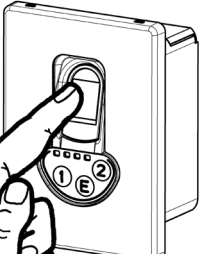
## Enabling service TAG

1


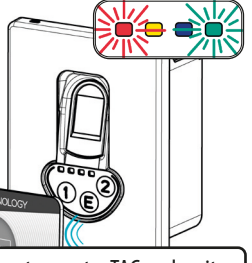
Press E, wait 8 seconds

2


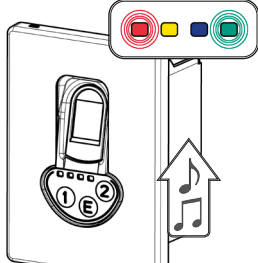
Press 1 + E

3A


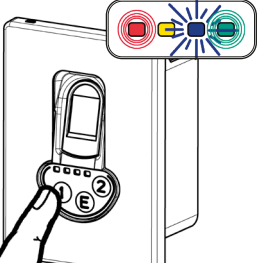
Place the master finger

3B


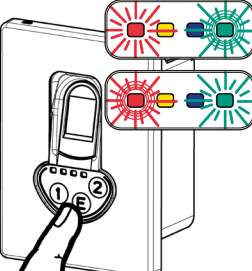
Present a master TAG and wait 10 seconds

4


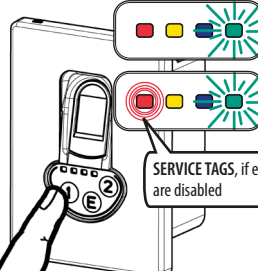
Enter in programming

5


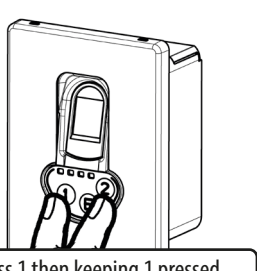
Press 1

6


Press E (alternating flashing leds)

7


Press 1

8


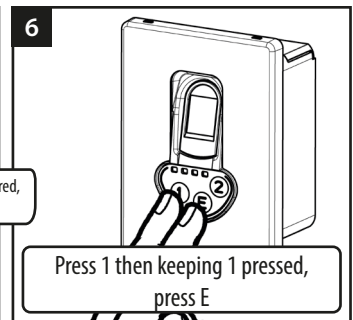
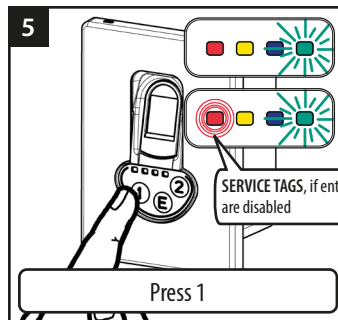
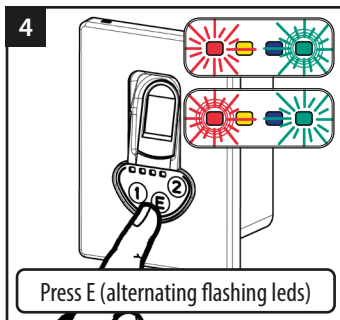
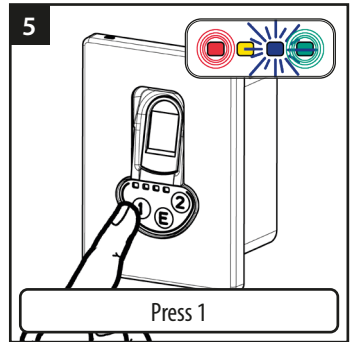
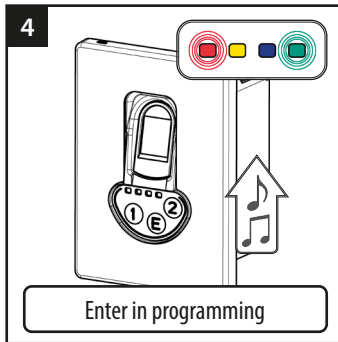
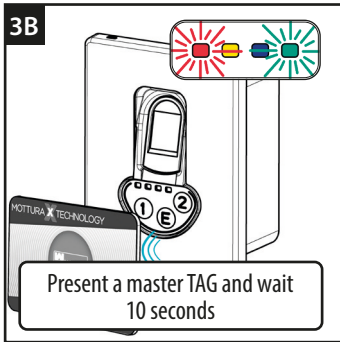
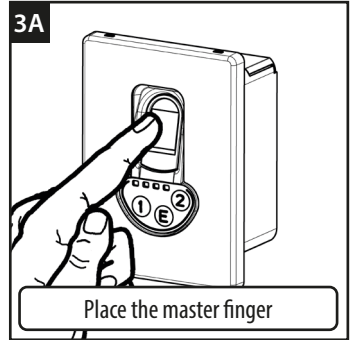
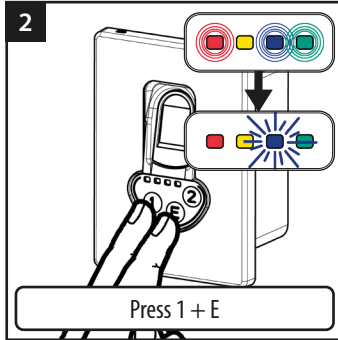
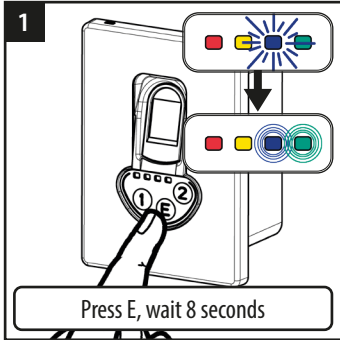
Press 1 then keeping 1 pressed, press 2

The system returns to point 7 To end press "E" or wait 20 seconds. (exit time - timeout)



All service TAGS are ENABLED

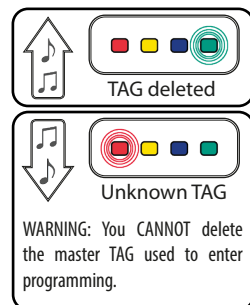
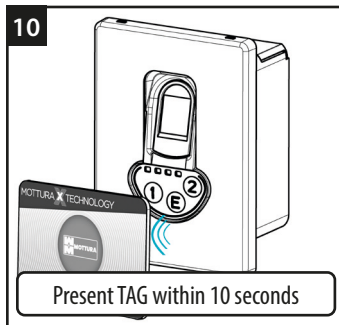
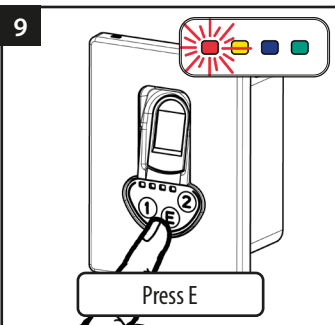
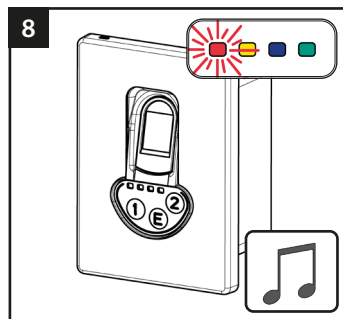
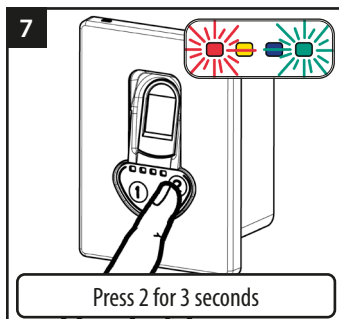
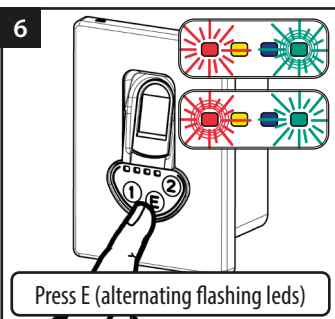
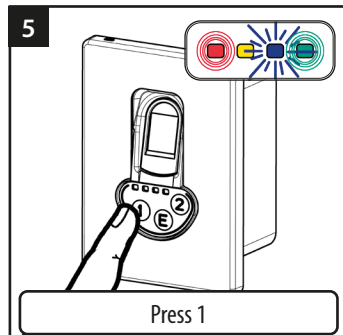
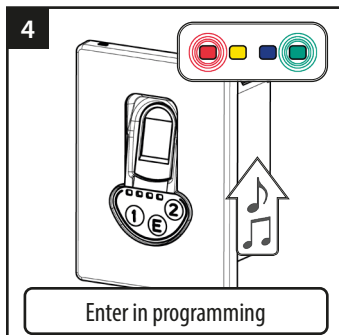
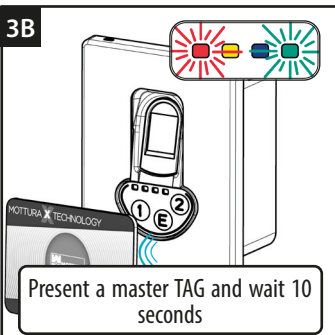
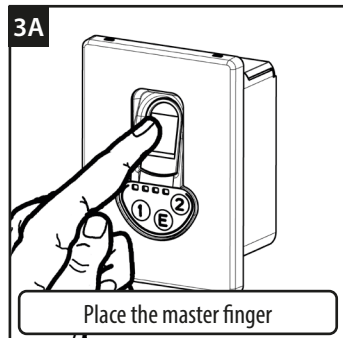
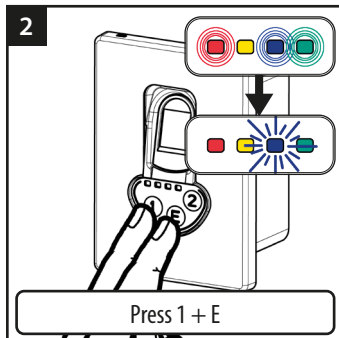
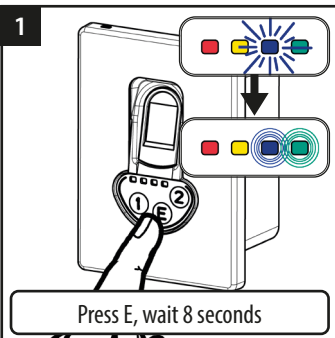
## Disable SERVICE TAGS



The system returns to point 7. To end press "E" or wait 20 seconds (exit time - timeout)

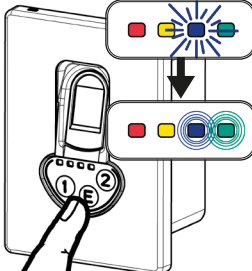


## Deleting single TAG

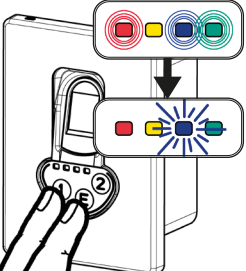


The system returns to point 7. To end press "E" or wait 20 seconds (exit time - timeout)

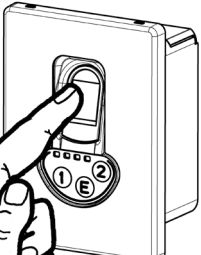
## Deleting all TAGs

1


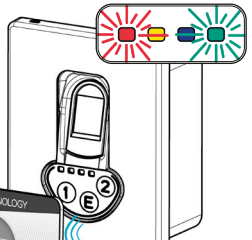
Press E, wait 8 seconds

2


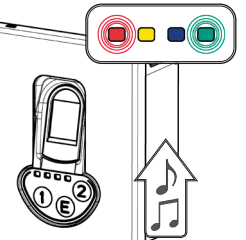
Press 1 + E

3A


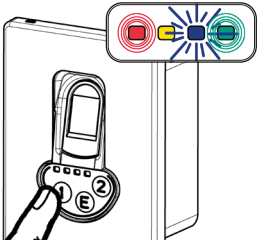
Place the master finger

3B


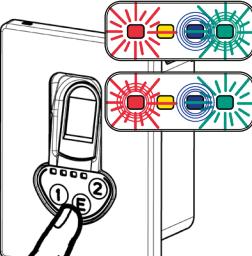
Present a master TAG and wait 10 seconds

4


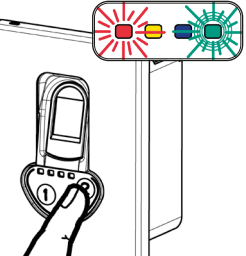
Enter in programming

5


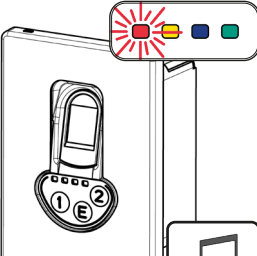
Press 1

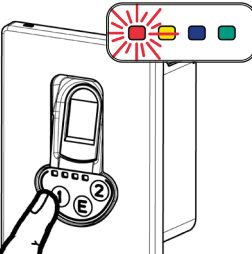
6


Press E (alternating flashing leds)

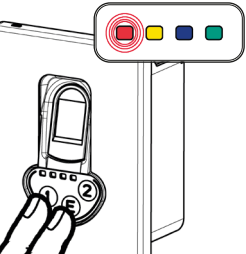
7


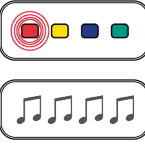
Press 2 for 3 seconds

8


9


Press 1 then keeping 1 pressed, press E

10


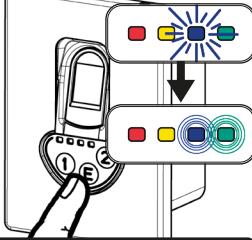


TAG elimination  
in progress

The system returns to point 7. To end press E or wait 20 seconds (exit time - timeout)

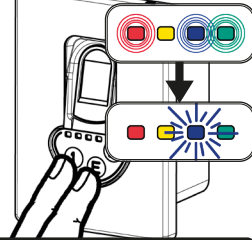
## Memorising MASTER fingerprint

**1**



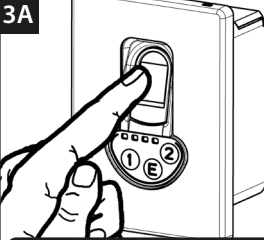
Press E, wait 8 seconds

**2**



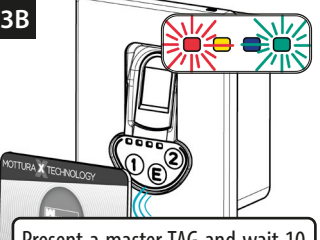
Press 1 + E

**3A**



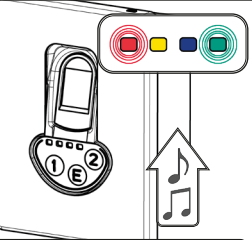
Place the master finger

**3B**



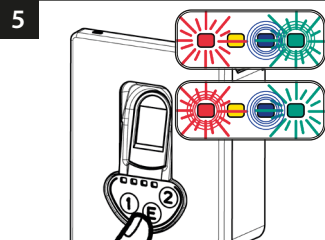
Present a master TAG and wait 10 seconds

**4**



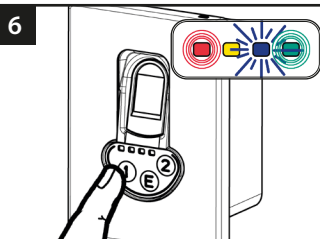
Enter in programming

**5**



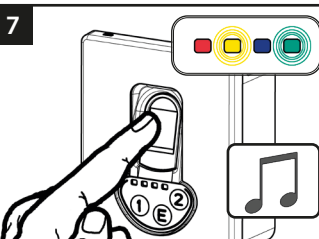
Press E (alternating flashing leds)

**6**



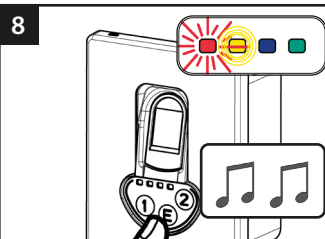
Press 1

**7**



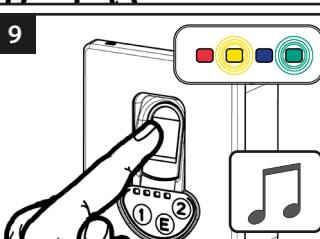
Place finger first time

**8**



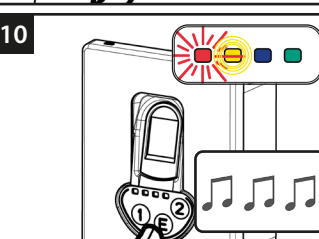
Press E

**9**



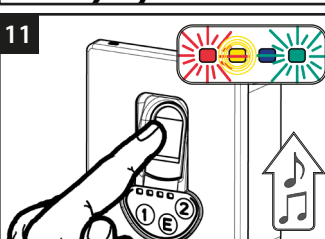
Place finger second time

**10**

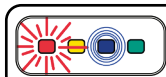


Press E

**11**



Place finger third time



NO



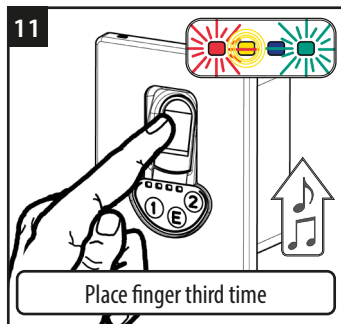
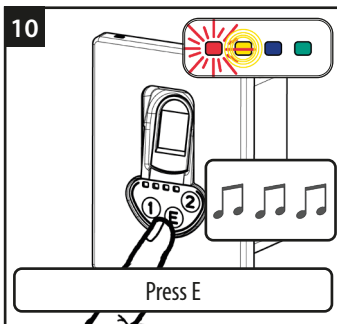
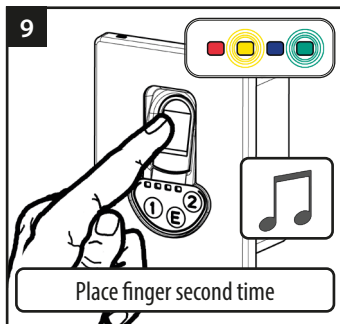
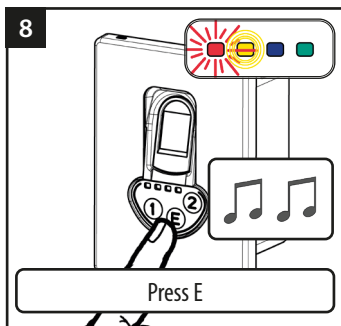
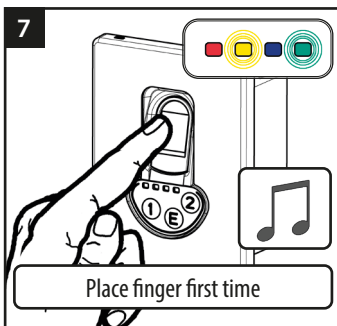
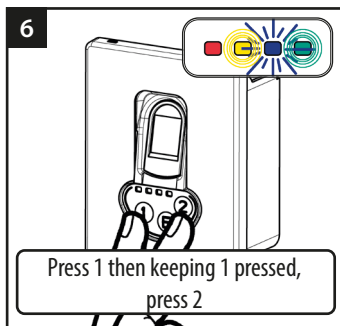
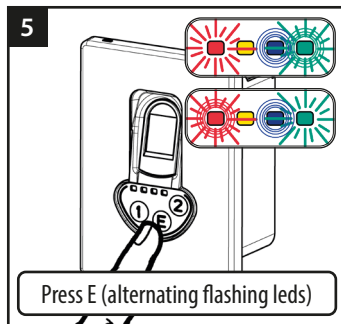
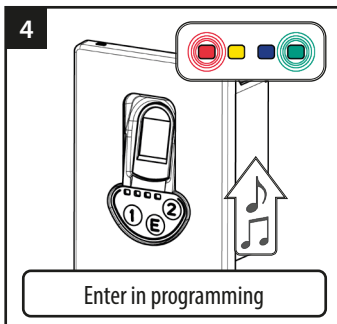
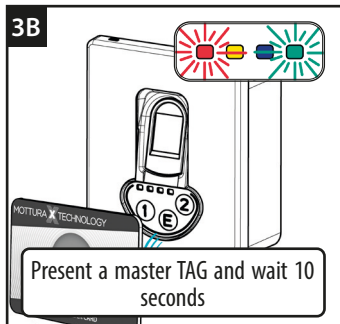
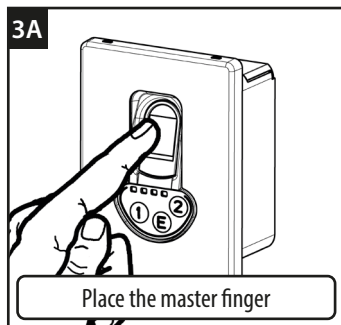
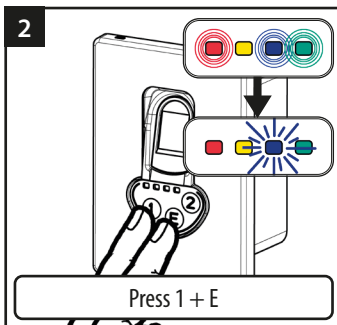
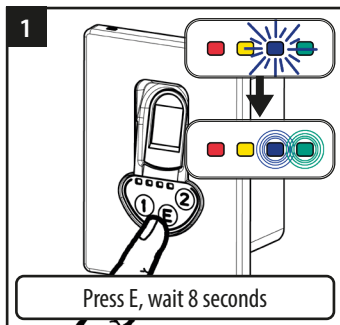
Maximum limit of entered fingerprints reached (100)

It is advisable to check that the fingerprint is entered correctly

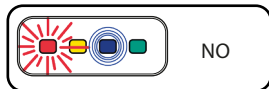
The system returns to point 3. To memorise another fingerprint (max 100) repeat the operations from point 4. To end press E or wait 20 seconds (exit time - timeout).



## Memorising service fingerprint



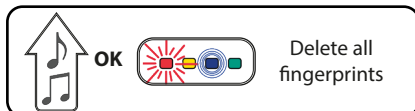
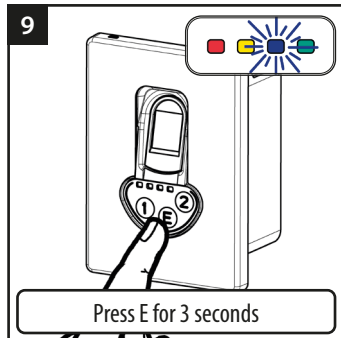
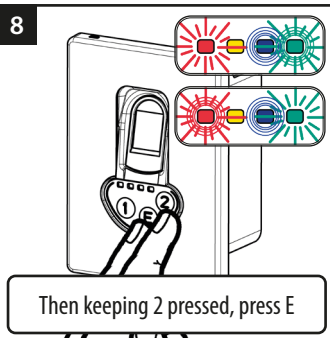
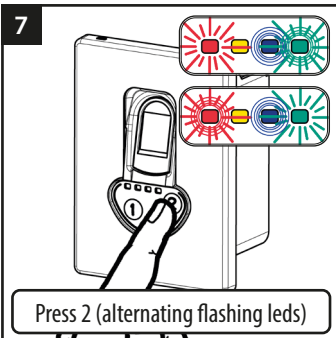
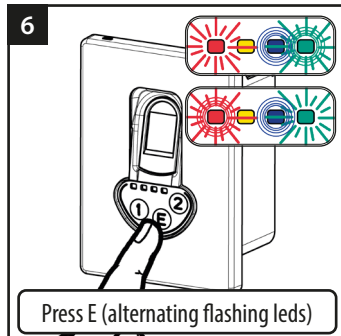
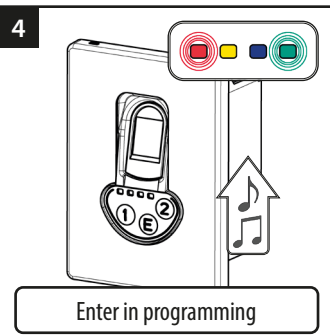
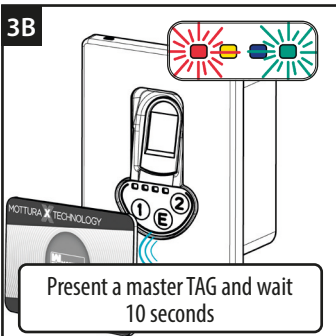
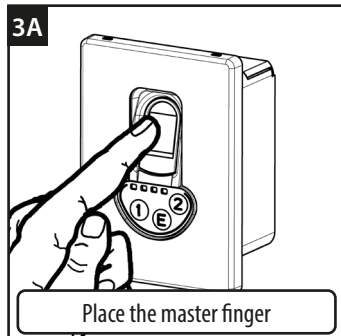
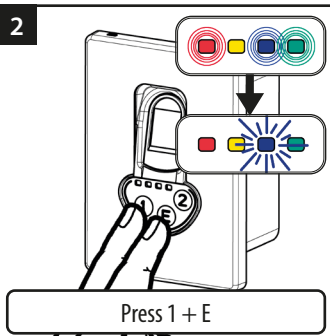
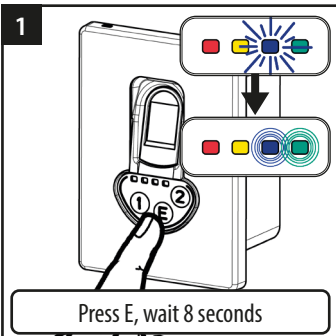




It is advisable to check that the fingerprint is entered correctly

The system returns to point 3. To memorise another fingerprint (max 100) repeat the operations from point 4. To end press E or wait 20 seconds (exit time - timeout).

## Deleting all fingerprints



The system returns to point 3. To end press E or wait 20 seconds (exit time - timeout).

## TABLE ERROR WARNINGS

SOUND	LIT	PROBLEM	DESCRIPTION	NOTES
2 long decreasing notes for 3 times	YELLOW FLASHING	Low battery voltage	The batteries are starting to go flat	Replace the batteries as soon as possible
2 short decreasing notes for 5 times in a row	RED FLASHING	Flat battery	The batteries are completely flat	Replace the batteries immediately
2 short decreasing notes for 10 times in a row	RED FLASHING	Dead battery	The batteries are no longer able to operate the device.	



