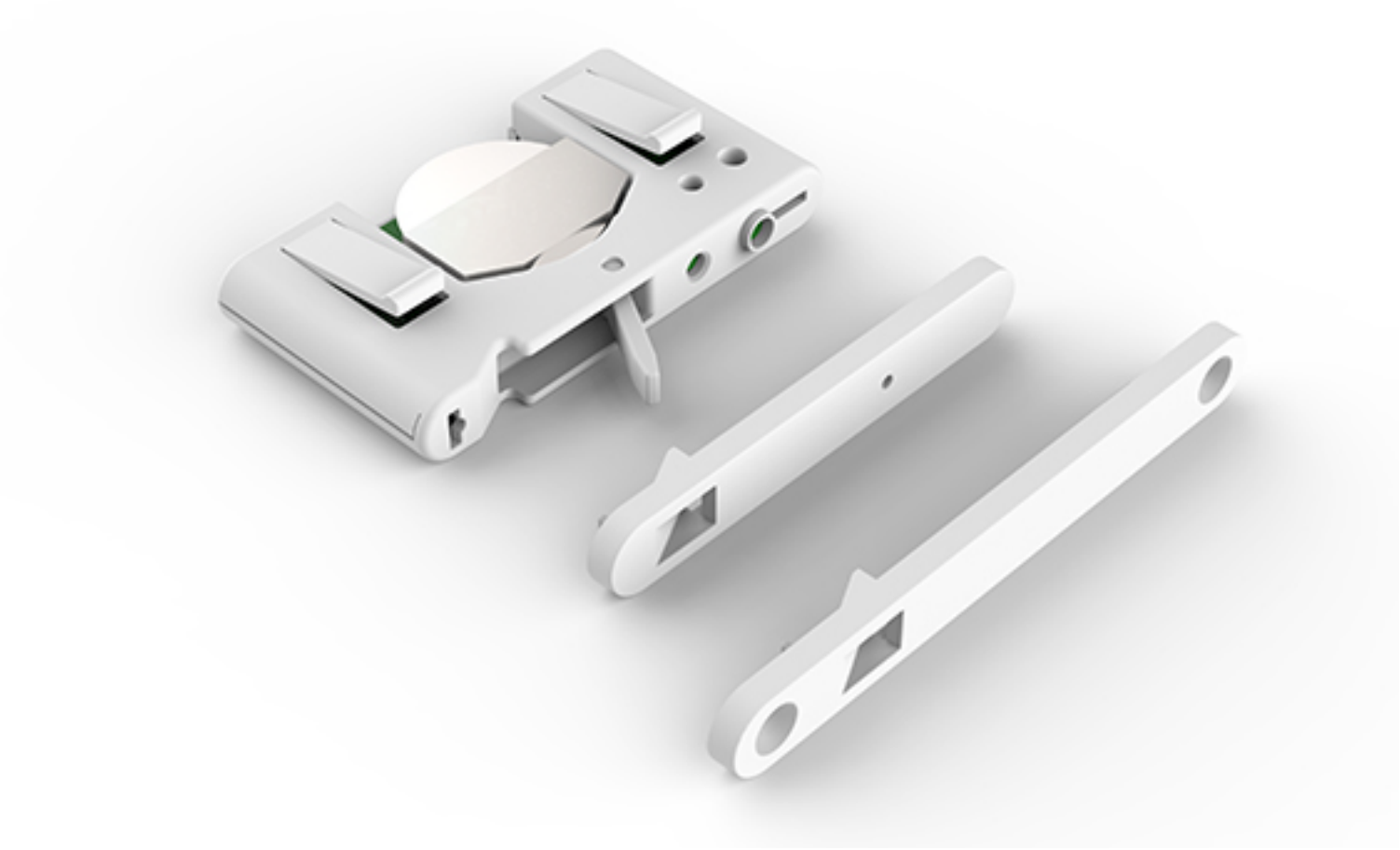
SENSA-T
SENSA-M

SENSA T Motion sensor. Turns on the light when the user opens the door and turns off it automatically after a fixed time. The timer countdown is activated everytime a movement of the door is detected. It can be installed in every tipe of swing door, folding door, drawer and light sliding door.

SENSA M Motion and magnetic sensor. Turns on the light when the user opens the door and turns off it automatically after a fixed time or recognizing a magnetic contact. The timer countdown is activated everytime a movement of the door is detected. It can be installed in every tipe of door and drawer. Suggested for heavy and damped



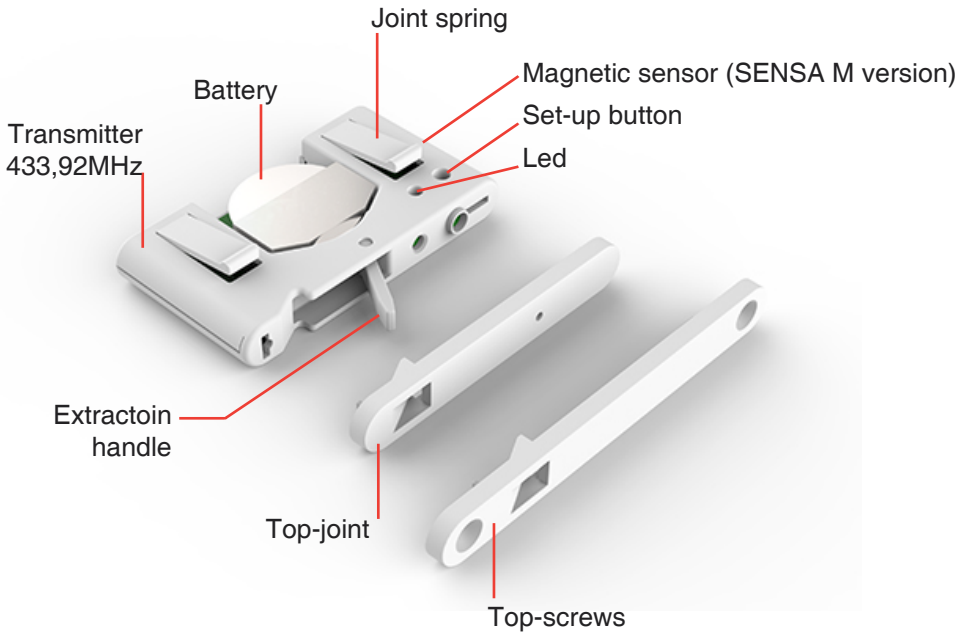
INDEX

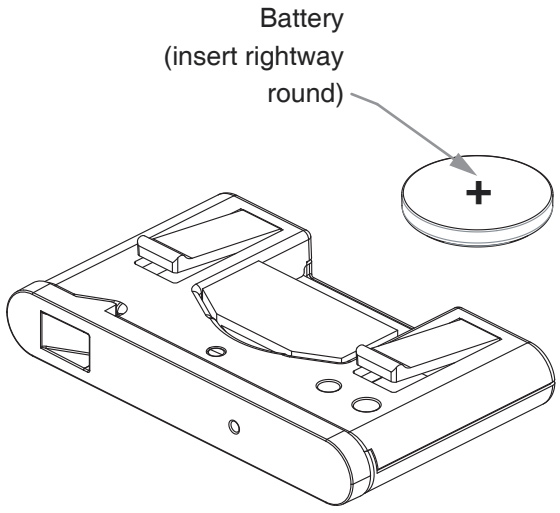
1 - PRODUCT FEATURES
    1.1 - TECHNICAL DATA
2 - PREPARATION ON DOOR
    2.1 - SENSOR DIMENSIONS AND WORK ON DOOR
    2.2 - POSITION OF REED CONTACT FOR MAGNET
    2.3 - MAGNET INSTALLATION
3 - DESCRIPTION OF THE SENSOR
    3.1 - DESCRIPTION
    3.2 - USE OF THE SENSOR
4 - RADIO PROGRAMMING
5 - RADIO DELETION
6 - SETTING SENSOR SENSITIVITY

1 - PRODUCT FEATURES

1.1 TECHNICAL DATA

	SENSA T	SENSA M
Power supply	Battery CR 2450	
Battery life	4,5 years with 30 activaction per day	
Code	Rolling code	
Frequency	433,92 MHz ISM	
Range	50m (20 m inside a building)	
Technology	Motion recognition	Motion recognition and magnetic contact

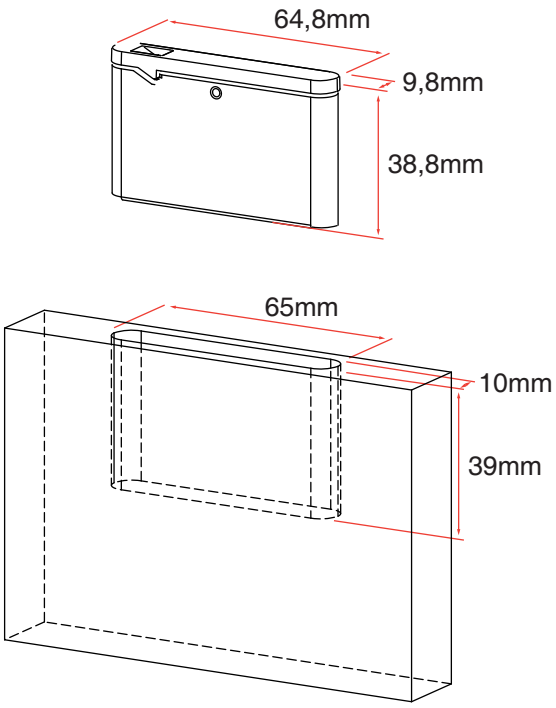




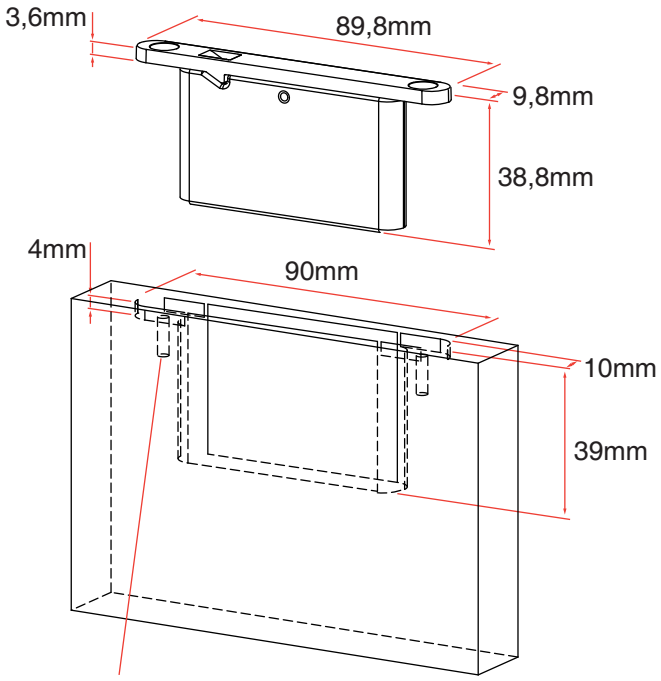
2 - PREPARATION ON DOOR

2.1 CUTTING ON THE DOOR

TOP-JOINT VERSION

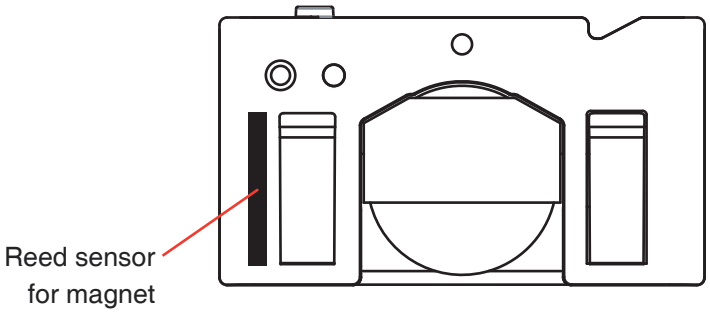


TOP-SCREWS VERSION



Preparation hole for
self-tapping screws
with countersunk head.
Max screw diameter 3,5mm

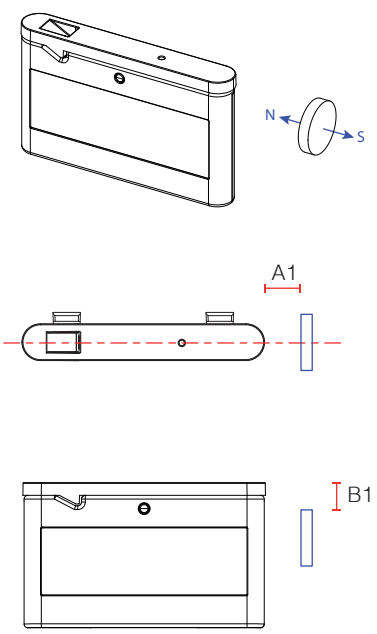
2.2 POSITION OF REED CONTACT FOR MAGNET (”SENSA M” VERSION)



2.3 MAGNET INSTALLATION ("SENSA M" VERSION)

AXIAL MAGNET INSTALLATION (Sensa M + MAG153A or MAG225A)

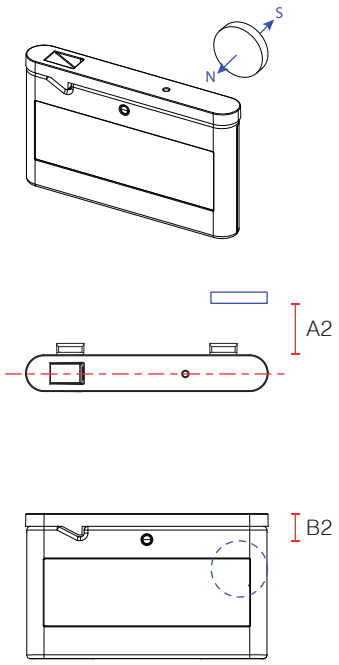
POSITION A1



- A1 (with MAG153A): max 15mm
  A1 (con MAG225A): max 30mm

  B1: 5mm

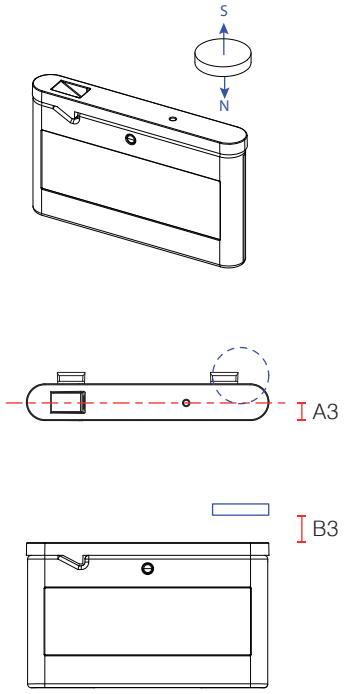
POSITION A2



- A2 (con MAG153A): max 15mm
  A2 (con MAG225A): max 30mm

  B2: 5mm

POSITION A3

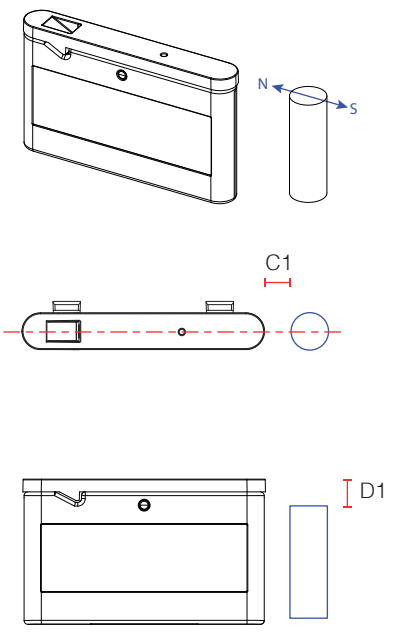


- A3: 5mm

  B3 (con MAG153A): max 15mm
  B3 (con MAG225A): max 30mm

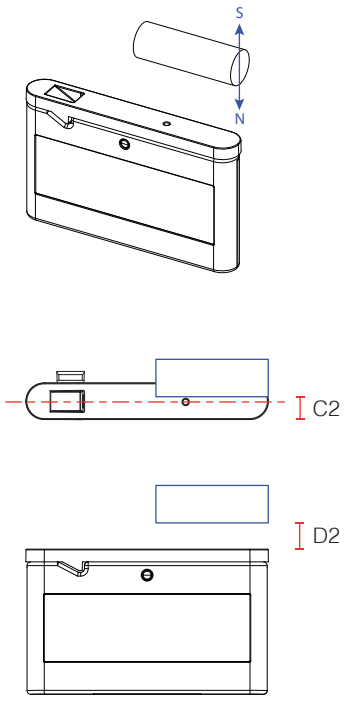
DIAMETRICAL MAGNET INSTALLATION (Sensa M + MAG1030D)

POSITION D1



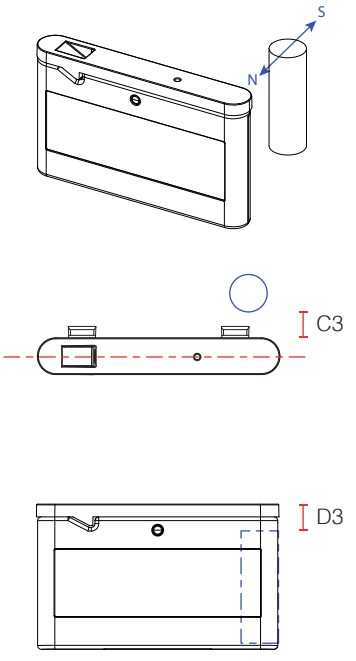
- C1 : max 30mm
  D1 : 0 mm

POSITION D2



- C2 : 0 mm
  D2 : max 30mm

POSITION D3



- C3 : max 30mm
  D3 : 0 mm

3 - USE OF THE SENSOR

3.1 DESCRIPTION OF THE SENSOR

Sensor for automatic control of door movement to send a switch-on command
to a compatible receiver.

3.2 USE OF SENSOR

To be able to use the sensor you must first carry out the learning procedures on the receiver (see paragraph 4).

SENSA T - SENDING A COMMAND TO A DEVICE:
IWhen the sensor sees a movement, it sends a command to switch on the light to the receiver it is associated with.
Switching off is carried out through a timer in the receiver (see receiver manual).

SENSA M (with magnet present) - SENDING A COMMAND TO A DEVICE:
When the door is opened or a movement is detected, the sensor sends a command to switch on the light to the receiver it is associated with.
Switching off is carried out when the door is closed and/or with a timer in the receiver (see receiver manual).

4 - PROGRAMMIMNG

To be able to use the sensor you must first carry out the learning procedures on the receiver

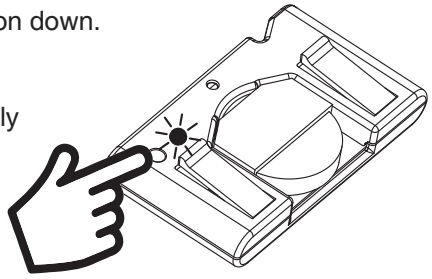
4.1 PROGRAMMING THE SENSOR WITH THE ASSOCIATION OF THE SERIAL NUMBER

Default: unique factory code, manual association required.

PROCEDURE:

STEP 1
Hold the sensor button down.

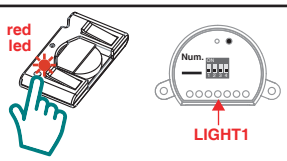
The led turns on and change color cyclically



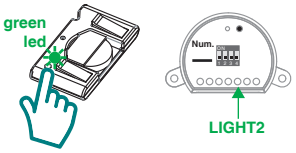
STEP 2:
Take your finger off the button when the LED comes on in the colour corresponding to the output with which the sensor is to be associated.

EXAMPLES:

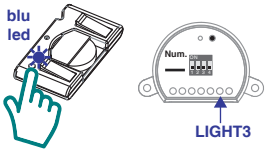
If you take your finger off on red, the sensor will make LIGHT1 turn on.



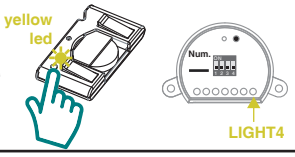
If you take your finger off on green, the sensor will make LIGHT1 turn on.



If you take your finger off on blu, the sensor will make LIGHT1 turn on.



If you take your finger off on yellow, the sensor will make LIGHT1 turn on.

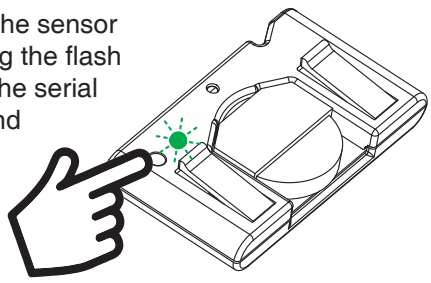


STEP 3:
The LED stays on in the colour selected.

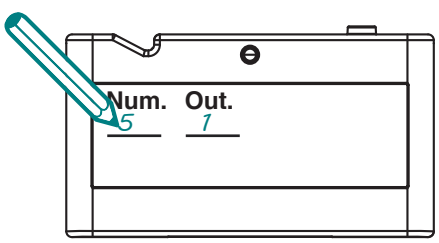
Press the button on the sensor for a short time and count the number of flashes emitted by the LED:

FLASH	SERIAL NUMBER
1 flash	1
2 flashes	2
3 flashes	3
4 flashes	4
5 flashes	5
6 flashes	6
7 flashes	7
8 flashes	8
9 flashes	9
10 flashes	10
11 flashes	11
12 flashes	12
13 flashes	13
14 flashes	14
15 flashes	15
16 flashes	16
17 flashes	17
18 flashes	18
19 flashes	19
20 flashes	20
21 flashes	Unique factory code, carry out manual association (see paragraph 4.2)

STEP 4
Press the button on the sensor for a short time during the flash that corresponds to the serial number desired to end the count.



NOTE:
Make a note on the label of the "serial number" and the output the sensor was associated with, for any future maintenance work.

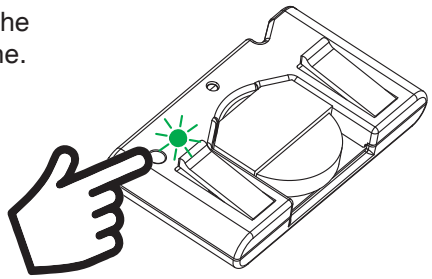


4.2 PROGRAMMING THE SENSOR WITH MANUAL ASSOCIATION

PROCEDURE:

STEP 1
Press the button on the sensor for a short time.

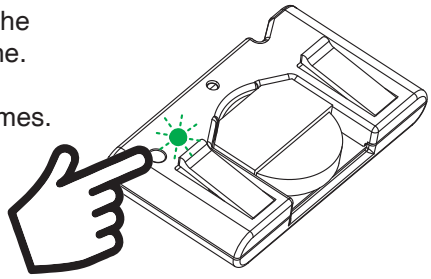
The LED comes on green and stays on.



STEP 2
Activate the receiver on which you want to programme the transmitter in "multifunctional remote control radio programming" mode (see receiver manual).

STEP 3
Press the button on the sensor for a short time.

The LED flashes 3 times.



STEP 4
The receiver flashes 3 times to confirm the learning process

5 - RADIO DELETION

5.1 DELETION OF THE SENSOR FROM THE RECEIVER

This procedure is to delete one sensor from the memory of the receiver on which it was programmed.

PROCEDURE:
1- Access the receiver and carry out the "delete single transmitter" procedure (see receiver manual).

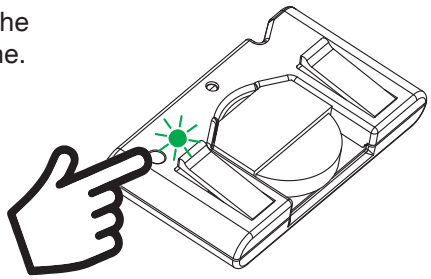
6 - SETTING SENSOR SENSITIVITY

Use this procedure to change the sensor's sensitivity to movement. This is to adapt it to different types of doors and uses.

PROCEDURE:

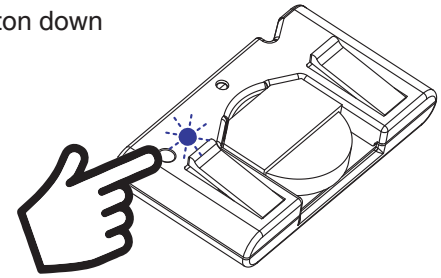
STEP 1
Press the button on the sensor for a short time.

The LED comes on green and stays on.



STEP 2
Hold the sensor button down (about 7 seconds).

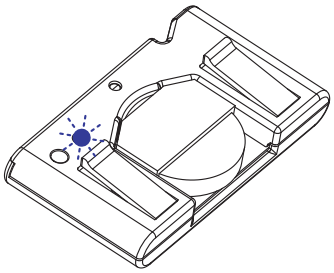
The LED flashes blue.



STEP 3
Count the number of flashes emitted by the LED:

3 flashes= high sensitivity
6 flashes= low sensitivity

NUMBER OF FLASHES	TYPE OF SENSITIVITY
3	high
6	low



STEP 4
To change the setting, repeat the procedure from point 1;
the control unit will alternate between 3 and 6 flashes.

FCC NOTE :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure environment. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna.

LIGHT
ENGINEERING
+DESIGN

LIGHT ENGINEERING + DESIGN SRL
Via Spagna, 6 - 35010 Vigonza (PD)
Ph. +39 049 0980809
Email: info@lightengineering.net
Web: www.lightengineering.net

07/2019_Rev 1.1

Tormene group

FORIS
L'ORIGINE DELLE IDEE