

INFRARED WIRELESS DETECTOR

[SMD] [48bit] [SPV] [AN]

INSTALLATION AND USE MANUAL

15.03-M:8.2-H:SE-04v2-13

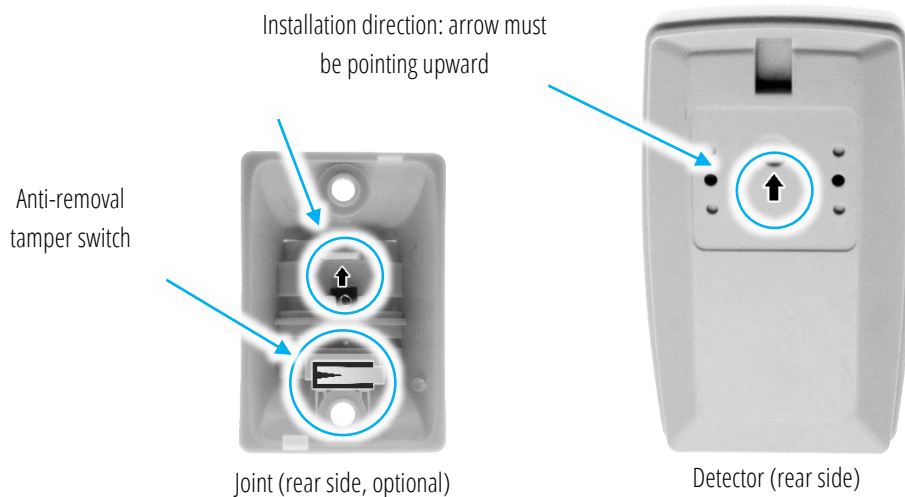
DO NOT USE OUTDOOR: THE DEVICE IS NOT PROTECTED AGAINST WEATHERING

REPLACE THE BATTERY ONLY WITH THE SAME MODEL. DO NOT DISPOSE THE BATTERY AS UNSORTED MUNICIPAL WASTE, USE THE RELEVANT BOXES.

1. RECOMMENDATIONS

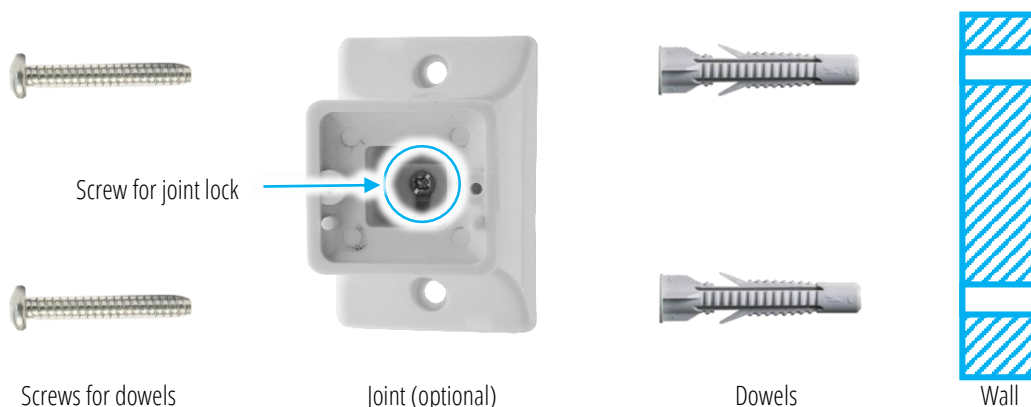
MOUNT AT ABOUT 240 CM HEIGHT, ON STABLE SURFACE, NON-METALLIC, FAR FROM HEATING SYSTEMS OR AIR FLOWS. DO NOT MOUNT THE DETECTOR NEAR TO TRANSMITTERS, HEATING DUCTS AND/OR CONDITIONERS OR FACING TO WINDOWS EXPOSED TO DIRECT SUN LIGHT.

BOTH JOINT (OPTIONAL) AND DETECTOR HAVE A DIRECTION OF ORIENTATION, WHICH MUST BE RESPECTED. AN ARROW ON THE REAR SIDE OF JOINT AND DETECTOR INDICATES THIS DIRECTION. PLACE THEM IN WITH THE SAME ORIENTATION, WITH THE ARROW POINTING UPWARD.



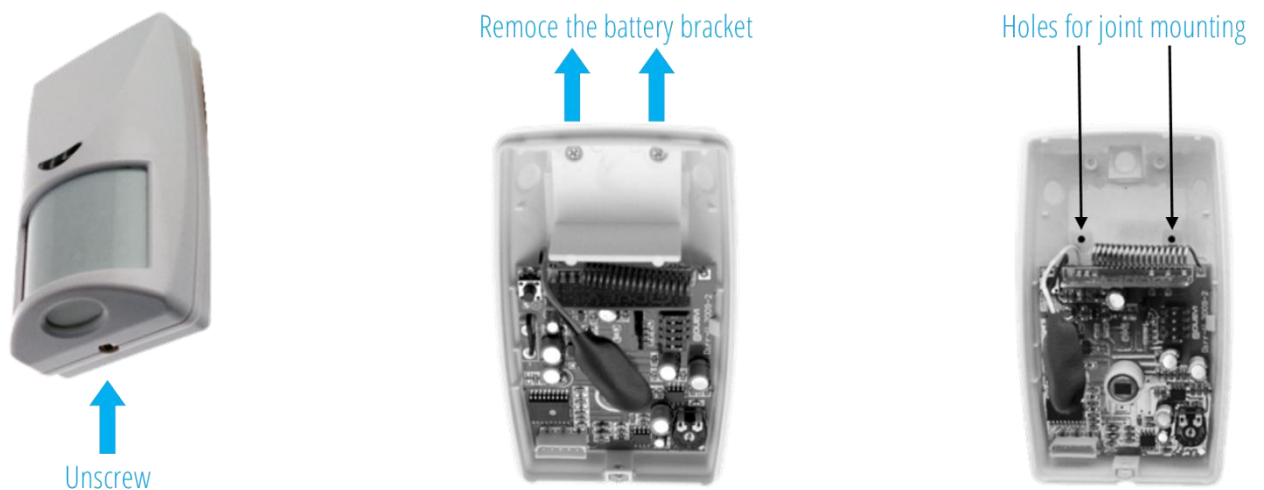
2. INSTALLATION WITH JOINT (OPTIONAL)

1. Once defined the installation position, fix the **joint** (optional) on wall, verify **the integrated tamper switch is closed**, then fix it with the **dowels** provided:



FASTEN THE INTERNAL JOINT LOCK SCREW AFTER TEST OF DETECTOR ORIENTATION

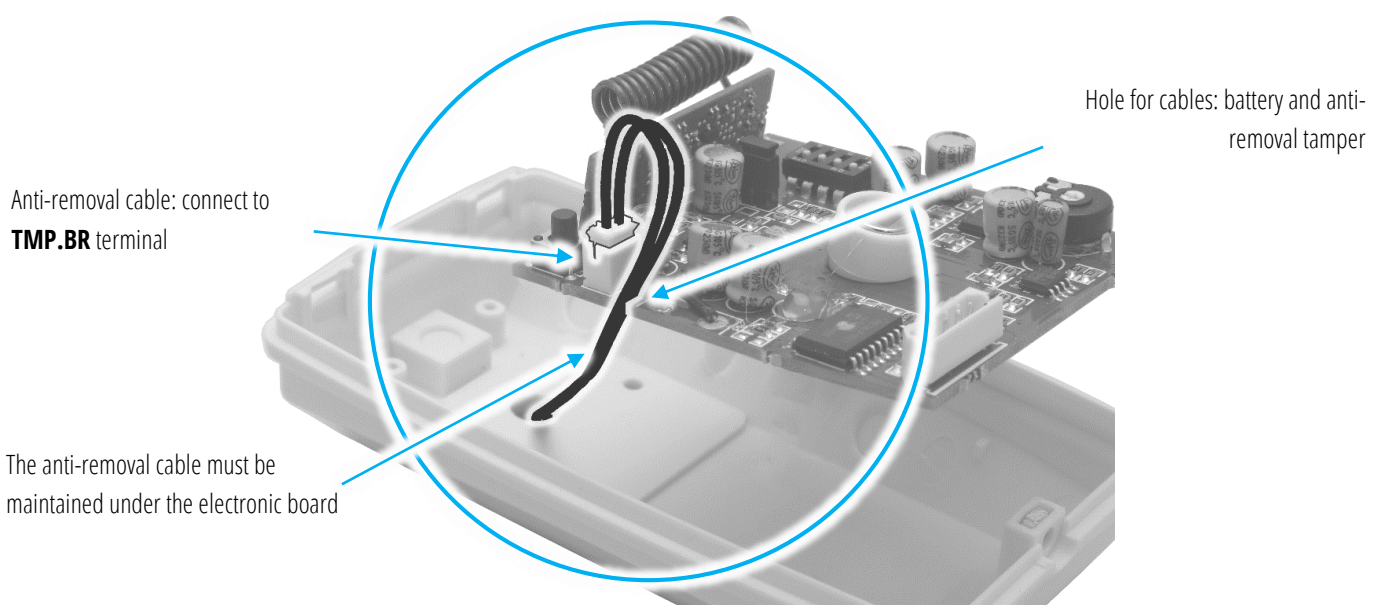
2. Open the detector, remove the **cover** and unscrew the **battery bracket**



3. Make a 7 mm hole on frame and fix the detector to the **joint**, aligning the joint with the frame of the sensor and pass the cable inside:

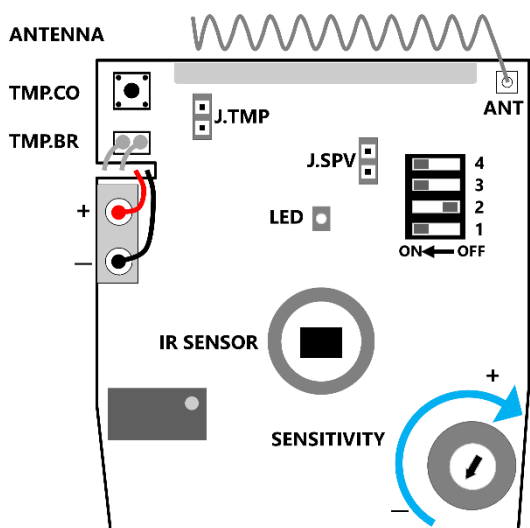


4. Unscrew the **electronic board** from its place and pass the anti-removal switch cable inside the **hole** for cable (there is the battery cable) as in next figure:



5. Mount the **electronic board** and the **battery bracket** in their place. Connect the anti-removal tamper cable to the **TMP.BR** terminal. **Activate the detector** (settings and battery) then close the **cover**. The installation is complete.

3. TECHNICAL



		ON	OFF
DIP1	Mode	Normal	Test
DIP2	Pulse count	2 pulses (low sensitivity)	1 pulse (high sensitivity)
DIP3	COVER Tamper	Disabled	Enabled
DIP4	LED	ON	OFF

		OPENED	CLOSED
J.TMP	Anti-removal/Joint Tamper	Enabled	Disabled
J.SPV	Supervision	YES	NO

POWER	9 V alkaline battery (mod. BAT9)
FREQUENCY	433,92 MHz
RADIO RANGE	100 m (open field)
DETECTION RANGE	Max distance: 10 m Beam angle: 110°
ABSORPTION	Stand-by: 8 µA Transmission: 11 mA
AUTONOMY	About 8000 detections (about 2 years)
DIMENSION	68 x 112 x 45 mm (without joint)

4. SUPERVISION

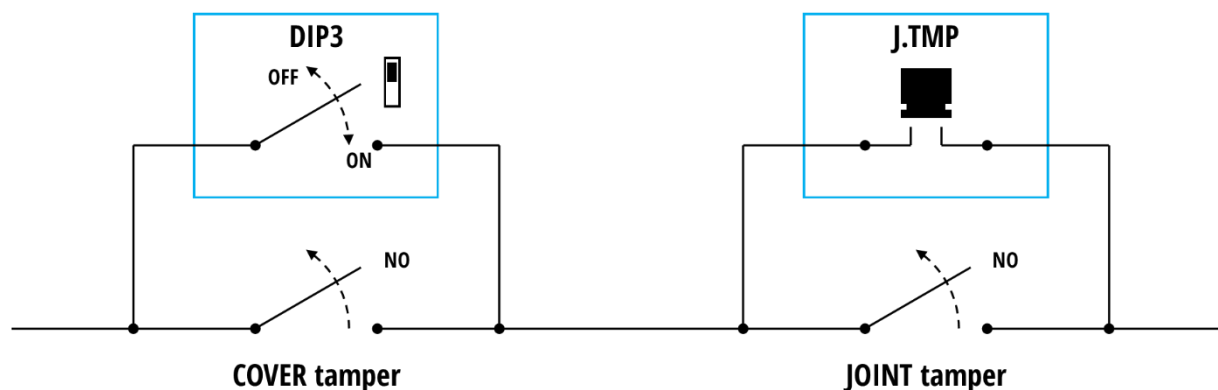
To enable, open the **J.SPV** jumper (see figure).

5. TAMPER

The sensor has two tamper protections:

- **ANTI-REMOVAL (JOINT):** N.O. microswitch placed on joint, which is opened when the detector is removed from wall. The anti-removal cable must be connected to the **TMP.BR** terminal. This tamper is controlled by jumper **J.TMP**.
- **ANTI-OPENING (COVER):** N.O. microswitch on electronic board which is opened when the cover is removed. This tamper is controlled by **DIP3**.

NOTE: THE TWO TAMPERS ARE CONNECTED IN SERIES. THE NOT-USED TAMPER MUST ALWAYS BE DISABLED.



6. SENSOR CALIBRATION

- Unplug the battery from detector
- Set **DIP4** to ON (LED ON) and **DIP1** to OFF (TEST mode)
- Plug the battery, wait 2 minutes (detector stabilization) and close the cover

- Test the detector (detection and radio range) placing it in the installation point.
After each sensitivity adjustment (acting on trimmer) wait some seconds the detector stabilization:
 - turn trimmer clockwise to increase sensitivity
 - turn trimmer counter clockwise to decrease the sensitivity
- When “pulse count” is set to 2 (**DIP2** to ON) the sensitivity is lower.
- Once finished adjustments, the detector **MUST** be set in **NORMAL** working mode (**DIP1** to ON)
- If necessary, change the installation point and detector orientation.

7. NORMAL WORKING

Set **DIP4** to OFF (LED OFF) and **DIP1** to ON (NORMAL mode) to have low absorption. Fix the detector in the position identified by testing phase and close the cover. When in NORMAL mode, the detector sends alarm only after **three minutes of complete absence of movement**. The detector has max detection sensitivity when its detection area is crossed in a transversal way (perpendicular to the sensor).

8. LEARNING

1. On control panel/receiver: enter in radio zone learning (“learning by tamper” or “AN” mode)
2. Plug the battery on detector
3. Set **DIP3** to OFF (anti-opening tamper enabled) and close the jumper **J.TMP** (anti-removal tamper disabled)
4. With no other radio transmission (example: detection), press and hold the tamper switch **TMP.CO** (verify the control panel learnt the detector radio code)

Note: it is possible to learn the detector using “detection” learning mode on devices, which not use the “tamper” learning mode

THIS DEVICE MEETS THE R&TTE REQUIREMENTS (EUROPEAN UNION)



MADE IN ITALY