Art.EWC1/EWC1W

UNIVERSAL
WIRELESS DOUBLE TECHNOLOGY
OUTDOOR DETECTOR

USER MANUAL

Rev.1T10MM

Thanks for having purchased our detector Art.9456/57 U the only one universal low consumption dual technology curtain detector for outdoor use.
You can connect to 9456/57 U, any radio transmitter are placed in the slot, making it compatible with any existing wireless system
Thanks to its low power consumption, can 'be powered by the same battery of the transmitter you wish to use, or, alternatively, with a battery 3.6 Volts Lithium.
Is an outdoor miniaturized double technology detector, particularly suitable for being installed on shutters. Its characteristics make it suitable for any external place, and wherever it is necessary to protect some specific areas. Art. 9456/57 U , in fact, creates a very narrow curtain barrier (about 7.5°) and it has an adjustable covered area up to 12m. It is realized with atmospheric resistant agents material and it is protected from a watertight cover.
Moreover its electronic card is covered with resin capable to assure its correct working in every atmospheric condition. Accurate planning and digital microwave signals analysis make Art. 9456/57 U a very stable sensor.

TEST MODE

Open the lid, bring the Dip4 ON, close the lid. By now, the LEDs are always active and the sensor does not inhibit more. Adjust the flow rate of the infrared and / or microwave. Tests completed open the lid, bring the Dip4 to OFF and close the lid. For further 3 minutes, the sensor is still in test .. After this time, the sensor enters low-power mode.

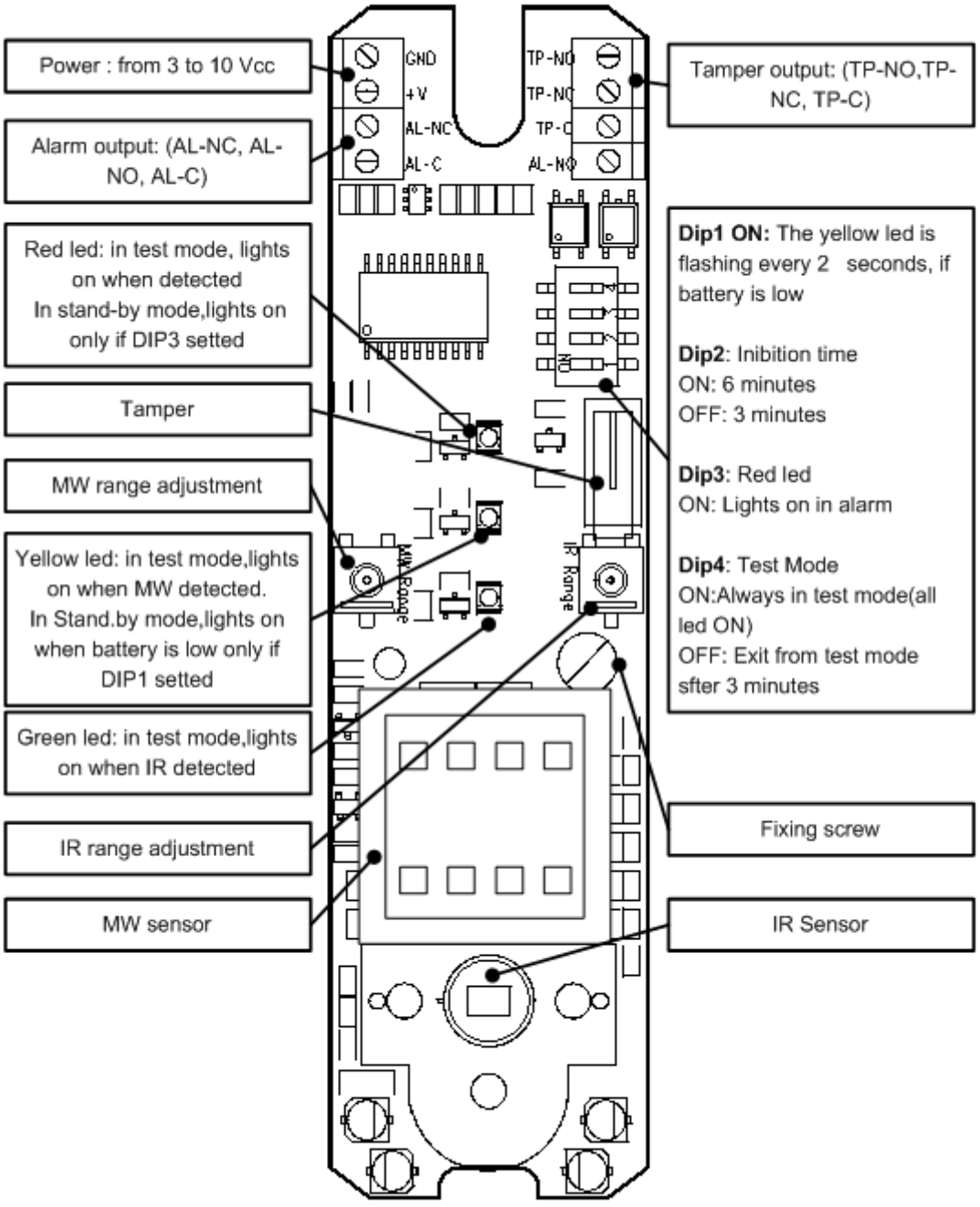
LOW BATTERY

In the case in which the sensor is not powered by the battery of the transmitter, but by the internal battery (supplied separately) bring the dip1 ON. When the battery voltage drops below the preset threshold, the yellow LED flashes for a each (approximately) 2 seconds.

DISPLAY INTRUSION

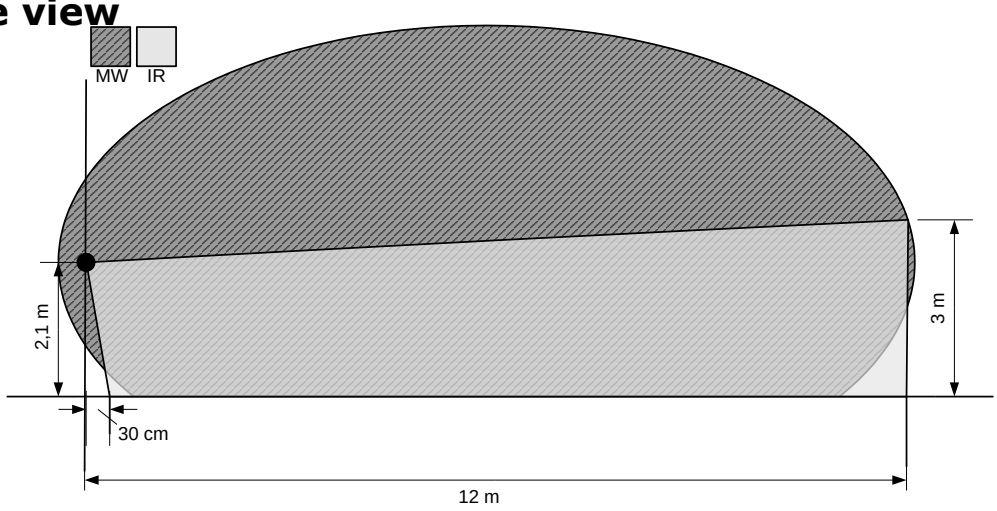
Bringing DIP3 to ON, the sensor activates the red LED for a few seconds, whenever it detects an intrusion. The signaling affects power consumption by decreasing the battery life .. Please note that after each detection, the sensor remains inactive for at least 3-6 minutes (see dip2).

DIAGRAM

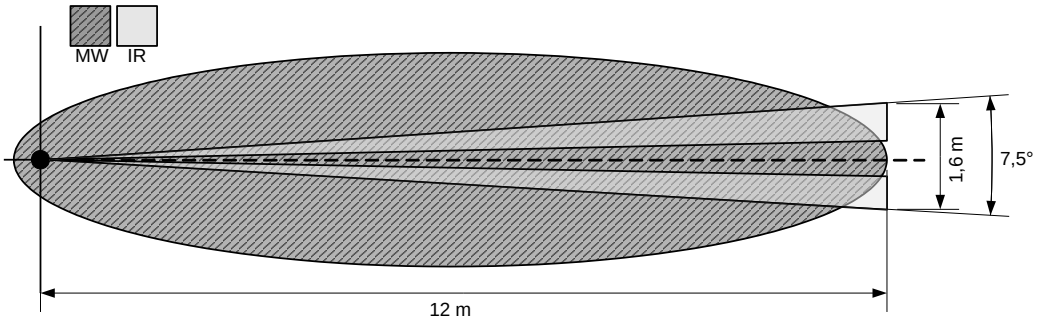

Power : from 3 to 10 Vcc
Alarm output: (AL-NC, AL-NO, AL-C)
Red led: in test mode, lights on when detected
In stand-by mode,lights on only if DIP3 setted
Tamper
MW range adjustment
Yellow led: in test mode,lights on when MW detected.
In Stand.by mode,lights on when battery is low only if DIP1 setted
Green led: in test mode,lights on when IR detected
IR range adjustment
MW sensor
GND
+V
AL-NC
AL-C
TP-NO
TP-NC
TP-C
AL-NO
MW Range
IR Range
Tamper output: (TP-NO,TP-NC, TP-C)
Dip1 ON: The yellow led is flashing every 2 seconds, if battery is low
Dip2: Inibition time
ON: 6 minutes
OFF: 3 minutes
Dip3: Red led
ON: Lights on in alarm
Dip4: Test Mode
ON:Always in test mode(all led ON)
OFF: Exit from test mode sfter 3 minutes
Fixing screw
IR Sensor

DECTION CHART

Side view

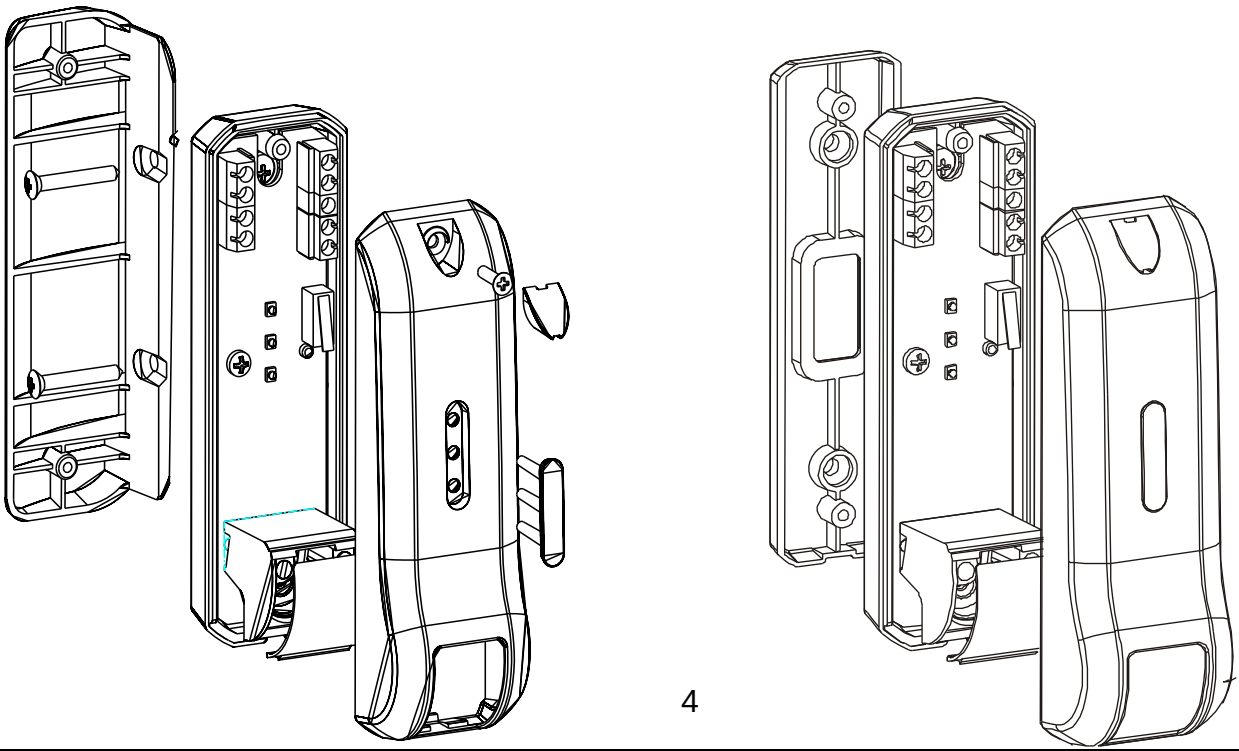


Top view

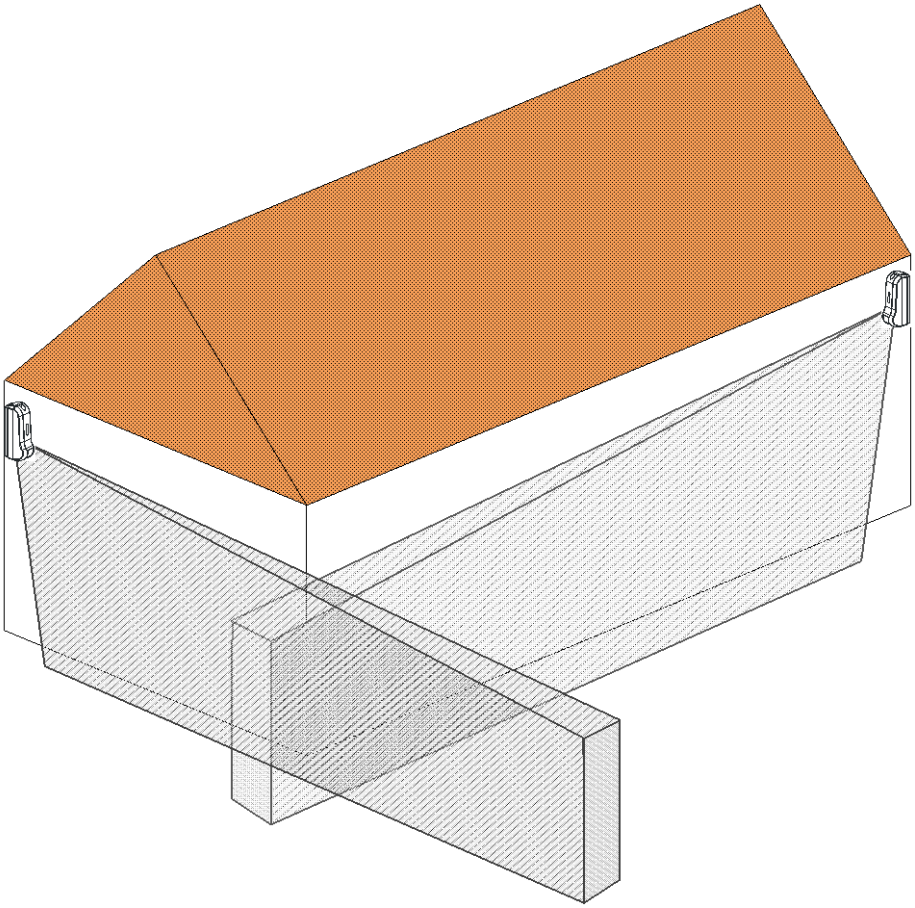


MOUNTING

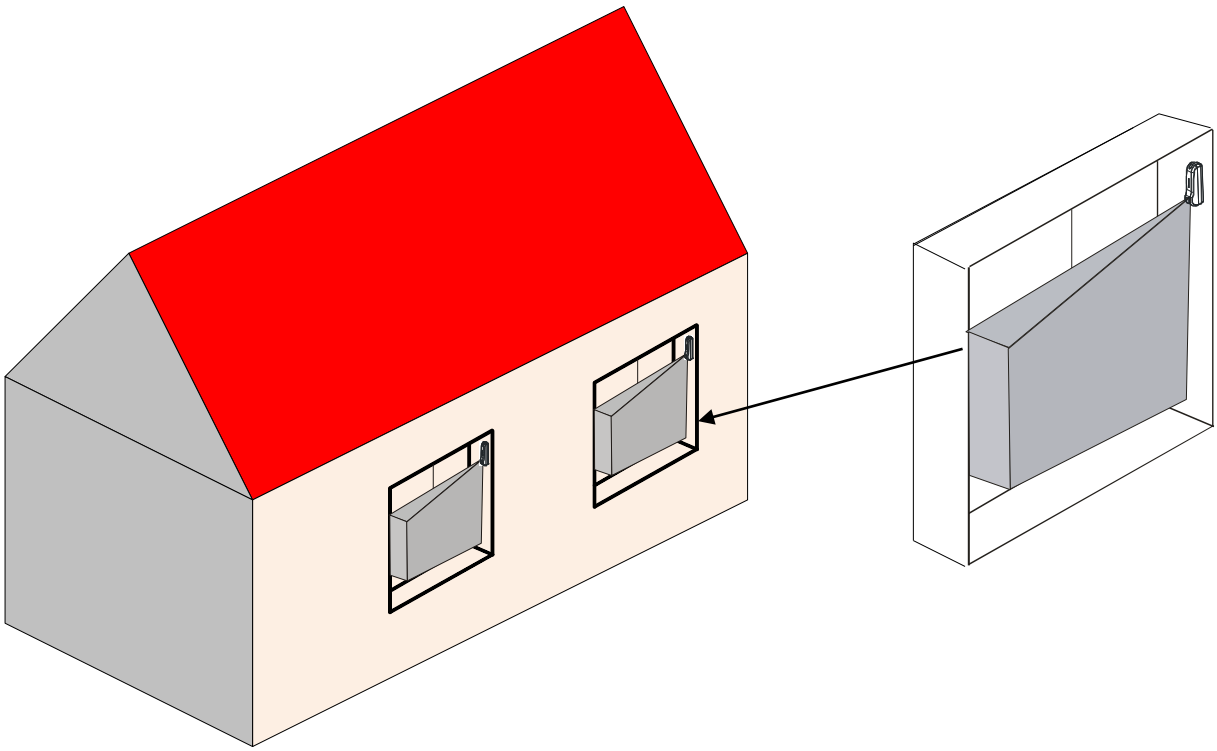
Use a screw driver to remove hidden screw fixing cover (in upside detector)



General installation guide



Installation example of wall protection. Install at about 2,1m. It can be installed also in upper floors at about 2,1m referring to an horizontal ground larger than 1,5m (for example balcony, ledge. Be sure no obstacles prevent its detection (gutter pipe, shutter)



Example of installation on shutters . Install on shutter at a 2,1 m height from ground.

TECHNICAL CHARACTERISTICS

Parameter	*Condition*	*Value*
Power supply standard		3-10V
Max power supply		13,2 V
Medium consumption		8 uA
Max consumption	6 V sensor in allarm	52 mA
Protection power supp. inversion		Yes
Inibition time between alarm	Selectable by dip-switch	3-6 minuti
Range IR max	Temperature 25 °C	12 m
Range MW max		12 m
Low battery reporting	Selectable by dip-switch	Yes
Range Test	Selectable by dip-switch	Yes
Alarm Output		C-NC-NA
Tamper Output		C-NC-NA
Setting IR range		Yes
Setting uW range		Yes
Frequency MW		24,125 GHz
Vertical MW		80°
Orizzontal MW		32°
Vertical IR		90°
Orizzontal IR		7,5°
Warming time		60 s
Working temperature		-20/+60 °C
Wheight		131 g
Dimensions		H 129, L 40, P 48 mm