SOPRAS



SOPBR-S

Digital outdoor detector low absorption, passive infrared sensor

The SOPBR detector is designed to provide an external perimeter protection, creating an horizontal barrier in multiple beams, which detects the presence of an intruder before they break in indoor environments with two sensors pyroelectric dual independent elements.
it's composed by two sides with electronics completely independent RIGHT / LEFT with separate adjustments and opportunity 'to exclude the individual right or left side. Solid state outputs left / right, antiopening tamper, bright LED display on both sides.
With a 9 meters reach on each side allows you to protect up to 18 mt.
Thanks to the possibility 'of using two lithium batteries 3.6 Vdc / 2.6 Ah SOPBR the detector gives considerable autonomy.
The large inner compartment also ensures the possibility of including all transmitter modules available on the market.
Rugged IP65 housing.

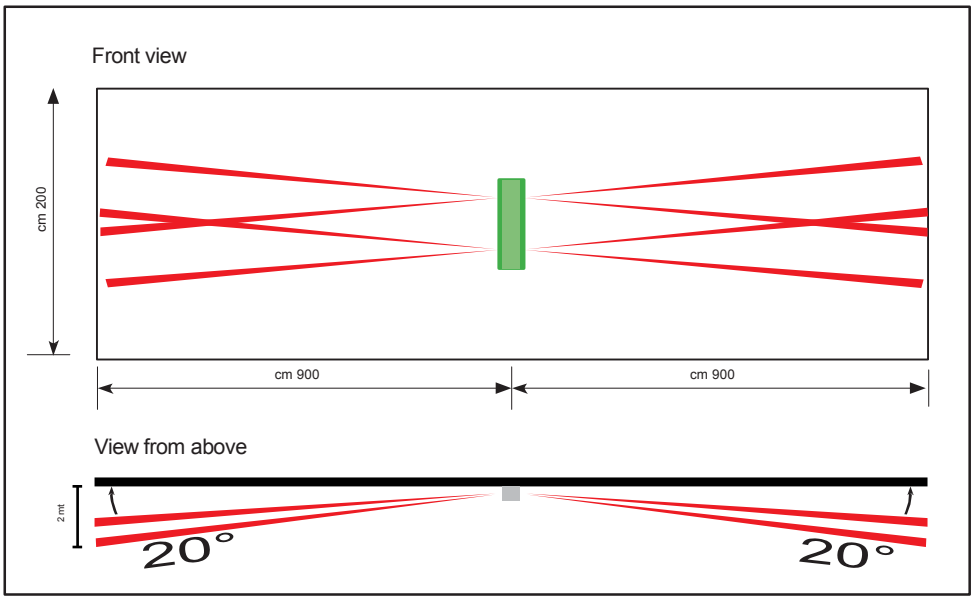


Fig. 2

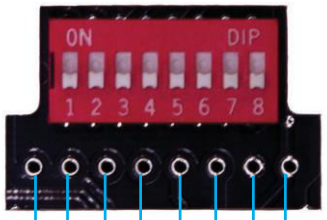
INSTALLATION TIPS

- Don't fix the detector in places completely exposed to the weather conditions (wind, rain, snow etc.).
- Avoid direct sunlight.
- Prevent reflecting objects (Glass, polished metals, puddles etc.) can influence the detector, causing false alarms.

INSTALLATION INSTRUCTIONS

For correct installation, the sensor must be mounted externally to a height from the ground of about 100/120 cm, perpendicular to the ground floor.
1- Choose the position of the detector.
2- Attach the bottom of detector to the wall, using the supplied screws verifying the perfect perpendicular with the ground.
3- Wire the radio module according to the wiring shown in Figure 3.
4- Set the dip switches as needed according to the table. **The preparation Dip Switches must be made absolutely before inserting the batteries.**
Should it be necessary it is possible to partialize the infrared ray through the related mask (figure 3).
5- Fix the lid to the bottom with the two screws.

DIP SWITCH



DP1
LEFT SIDE ON / OFF
ON enabled
OFF disabled

DP2 LEFT SIDE RANGE
ON low range
OFF high range

DP3 FUNCTION AND / OR LEFT SIDE
ON OR
OFF AND

DP4 RIGHT SIDE ON / OFF
ON enabled
OFF disabled

DP5 RIGHT SIDE RANGE
ON low range
OFF high range

DP6 FUNCTION AND / OR RIGHT SIDE
ON OR
OFF AND

DP7 ECONOMY FUNCTION
ON inhibited 5 min alarm.
OFF disabled

DP8 LED ON/OFF
ON enabled
OFF disabled

DIP SWITCH		
SWITCH	POSITION	FUNCTION
1	ON OFF	Left side working Left side off
2	ON OFF	Left side range about 5 m (50%) Left side range about 9 m (100%)
3	ON OFF	Left side operating in OR Left side operating in AND
4	ON OFF	Right side working Right side off
5	ON OFF	Right side range about 5 m (50%) Right side range about 9 m (100%)
6	ON OFF	Right side operating in OR Right side operating in AND
7*	ON OFF	Saving battery mode active Saving battery mode off
8	ON OFF	LED signaling active LED signaling off

* **Note:** In active battery saving mode, the sensor after an alarm, it will remain completely inactive for 5 minutes.

Attention:
Once the operations of verification and calibration, turn off the IR LED warning not to reduce the autonomy of the battery.
All arrangements must be made to unit OFF.

IMPORTANT
This product detects temperature differences between a moving object and the temperature of the background of the protection area. If the object is not moves, the detector can not detect it. In addition, the temperature of the object and environment can influence the maximum detection range.

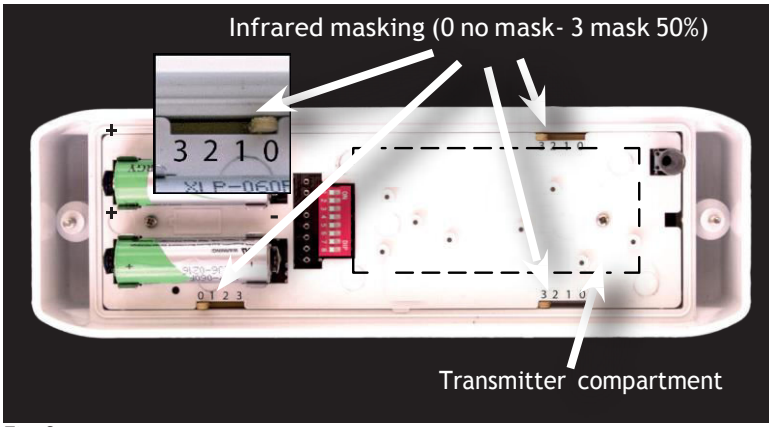
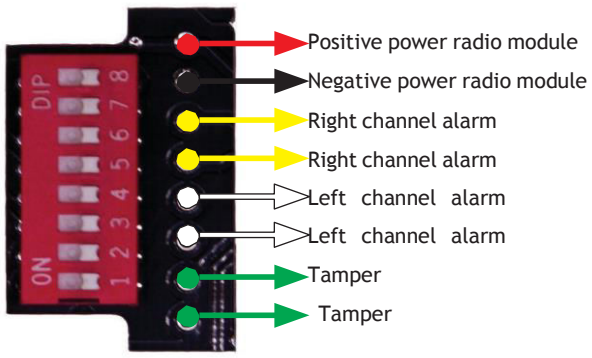


Fig. 3

TECHNICAL FEATURES

Supply	1 Lithium Battery 3.6 Vdc 2,6Ah
Absorption	29 uA to Rest 900µA in alarm
Range*	Normal: 9 m Reduced: 5 mt
Lens Type	Prism optical polyfocal
Antiopening Tamper	Internal contact
Operating temperature	From -20° C. to + 70° C.
Temperature compensation	Automatic
Ambient Humidity	95% max. (No condensation)
Degree of protection	IP 65
Dimensions LxHxP	220 x 70 x 60mm



SOPRAS

VIA MAESTRI DEL LAVORO, 43
21047 SARONNO (VA)
Tel.02/9607685 - fax. 02.9606145
Part. IVA e Cod. Fisc. 01501870123
E-mail: info@sopras.it
Web site: www.sopras.it

CE

CE Conformity Declaration So.pr.a.s srl declares under its own responsibility that the SOP2IR device is designed and manufactured in compliance with the legislation
- directive 2011/65/ce - RoHS 2002/95/CE
Electromagnetic compatibility / LVD - 73/23/CEE
- Electrical and safety regulations PFOS (2006/4122/CE-D.M.)
- REACH (REG. 1907/2006)
- EN 60950-1:2006+A12:2011 - EN50130-4:2011
Using only components complies with anti-pollution directives RoHS - RAEE