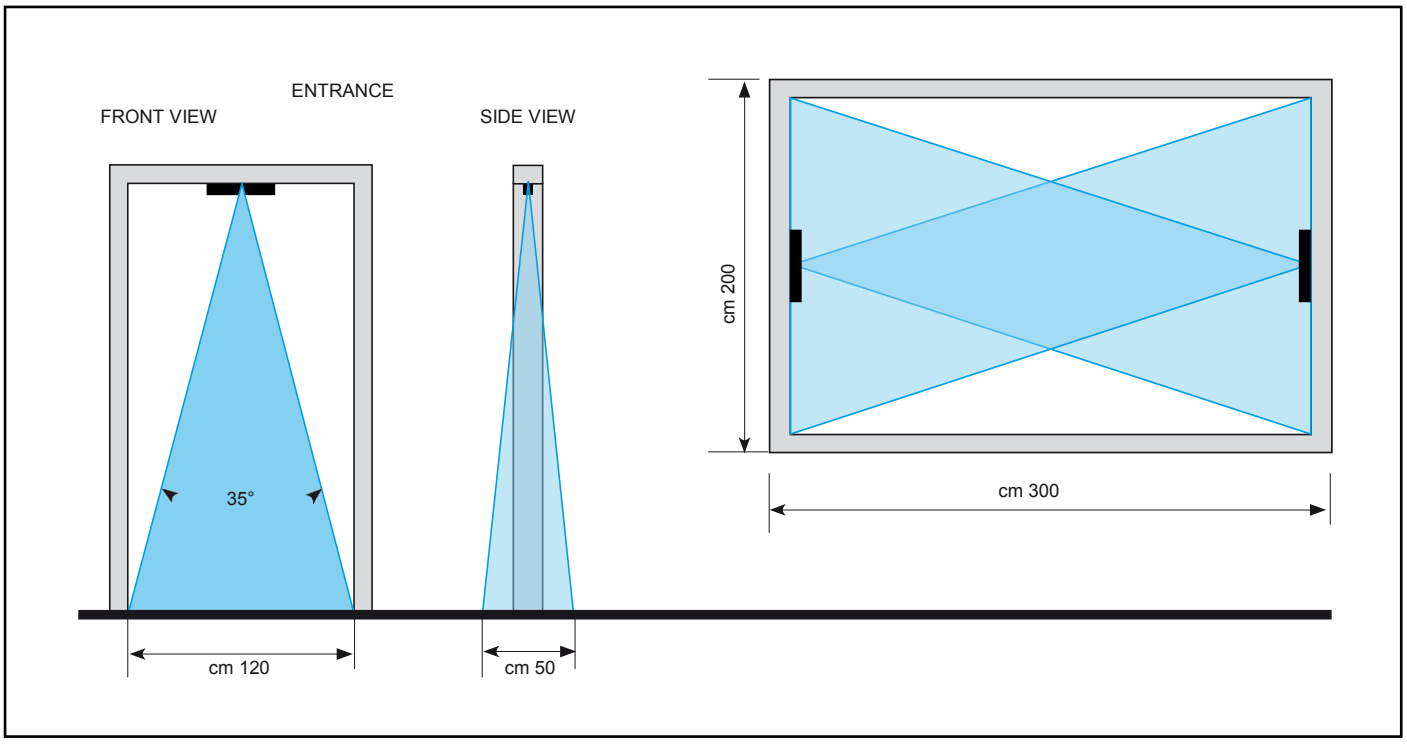


Sensor SOP2IR

Perimeter detector for curtain-effect protections



The double perimeter detector IR allows you to check entrances through two distinct detection modes.
Two sensors IR are able to check free openings, such as for example open windows or French windows. The device linear lenses
provide a curtain-effect coverage. A magnetic contact and an internal reed allow the device to check the opening of doors, windows, shutters and any kind of doors and windows.
This function may be disabled, thus keeping only the IR in operation. The device is provided with an anti-masking function (which may be disabled).

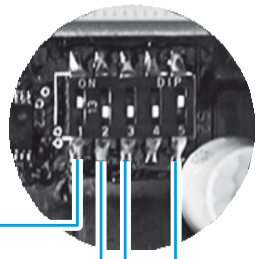


Installation instructions
For proper installation, it is advisable to mount the sensor outside, between the window or door and the relative shutter or roller shutter, at the centre of the upper jamb of a door or window
to be protected. The detector ensures a curtain-effect protection thanks to a couple of passive infrared sensors.
At the base on one side a reference mark shows the side where the additional Reed
contact is located and where the relative magnet is to be positioned. Example: in case the shutter opening should be protected.

INSTALLATION ADVICES

- Do not secure the detector to locations exposed to the weather (wind, rain, snow, etc.).
- Avoid direct sunlight.
- Prevent reflective objects (glass, shiny metal, puddles etc.) from influencing the detector, thereby causing false alarms

DIP SWITCH



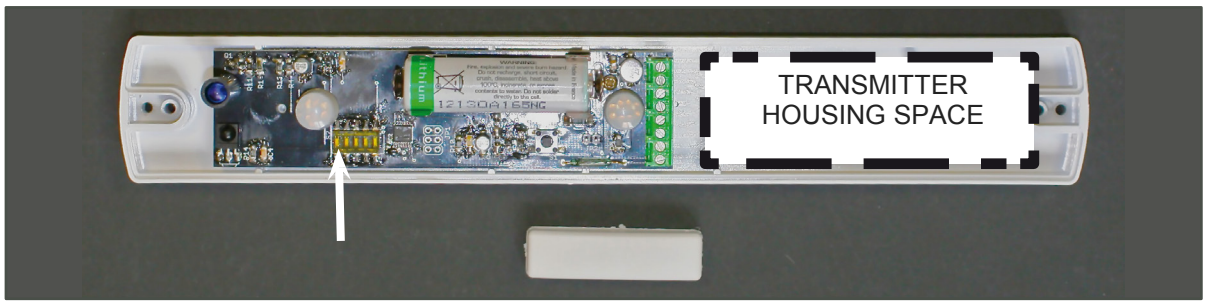
DIP 1
ANTI-BLINDING ON/OFF

DIP 2
AND/OR

DIP 3
1 - 2

DIP 5
LED ON/OFF

DIP SWITCH		
SWITCH	POSITION	FUNCTION
1	ON OFF	Anti-masking enabled Anti-masking disabled
2	ON OFF	IR sensors working in OR IR sensors working in AND
3	ON OFF	Counting of 2 pulses Counting of 1 pulse
4	ON OFF	Not in use Not in use
5	ON OFF	Signalling LED IR enabled Signalling LED IR disabled



Warning: End the operations of check and calibration, deactivate the signalling LED IR (DIP switch) in order not to reduce the battery autonomy.

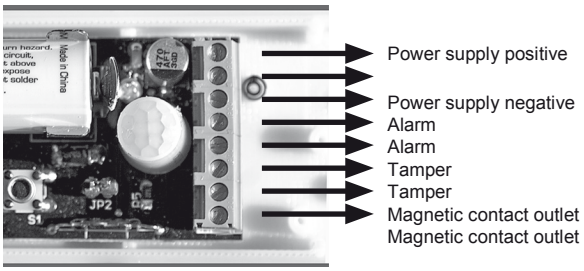
The anti-masking function detects obstacles which are kept in a fixed position at a distance lower than 30 cm from the IR sensors.
Every 5 seconds from detection a tamper alarm is issued (tamper outlet)

IR sensors can work in OR or AND mode.
In OR mode, the signalling alarm is triggered by just one sensor detecting a movement. Thus, a higher sensitivity is achieved.
In AND mode both sensors need to detect the movement

to trigger the alarm.
Thus, the immunity to false alarms is enhanced.
The counting of pulses adjusts sensitivity, that is readiness to issue the alarm. For regular cases, it is advisable to set the dip n. 3 at 1 pulse (OFF).

TECHNICAL FEATURES

Power supply	1 Lithium Battery 3,6Vcc
Absorption	29 µA at Rest 900µA in Alarm
Counting of pulses	1 o 2 Pulses in 2,5 seconds
Type of lens	Fresnel
Tamper anti-opening	Inner contact
Operating temperature	-20° C. to + 50° C.
Temperature compensation	Automatic
Ambient humidity	85% Max.
Degree of protection	IP 54
Sizes WxHxD	295 x 37 x 32mm



SO.PR.A.S.

VIA MAESTRI DEL LAVORO, 43
21047 SARONNO (VA)
Phone 02/9607685 – fax.
02.9606145
VAT No. and Fiscal Code
01501870123 E-mail:
info@sopras.it
Web site: www.sopras.it

Declaration of conformity EC
So.pr.a.s srl declares under his own responsibility
that the SOP2IR device
has been designed and manufactured in conformity with the following standards
- directive 2011/65/ ec – RoHS 2002/95/CE
Electromagnetic compatibility / LVD - 73/23/CEE
- Electrical safety and with standards
PFOS (2006/4122/CE-D.M.)
- REACH (REG. 1907/2006)
– EN 60950-1:2006+A12:2011 – EN50130-4:2011
By using only components in compliance with the
anti-pollution directive RoHS - RAEE

CE