



Sensor SOP2IR

Perimeter detector for curtain-effect protections

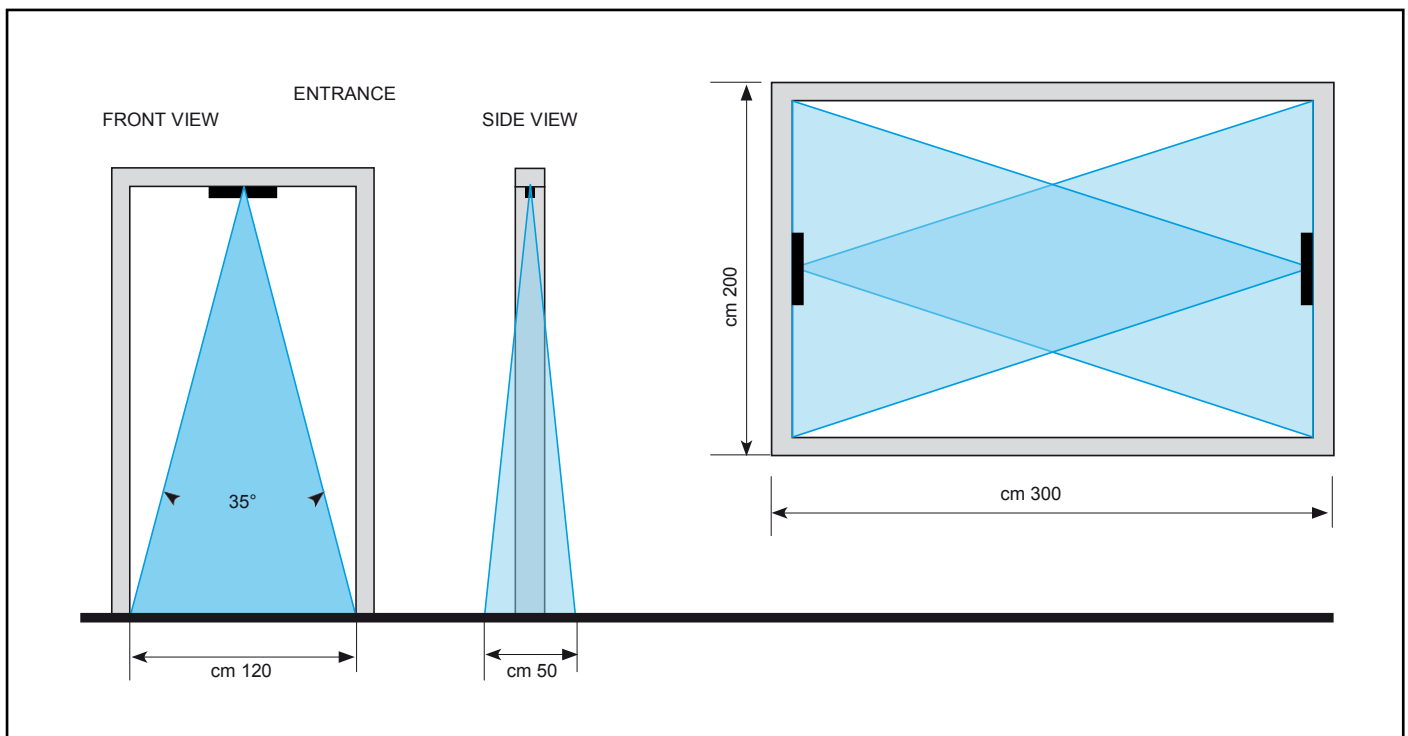


The double perimeter detector IR allows you to check entrances through two distinct detection modes.

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

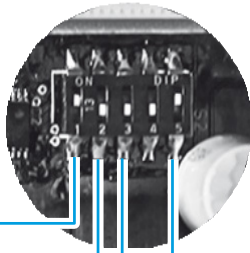
- Do not secure the detector to locations exposed to the weather (wind, rain, snow, etc.).
- Avoid direct sunlight.
- Prevent reflective objects (glass, shiny metal, puddles etc.) from influencing the detector, thereby causing false alarms

DIP SWITCH

DIP 1
ANTI-BLINDING ON/OFF

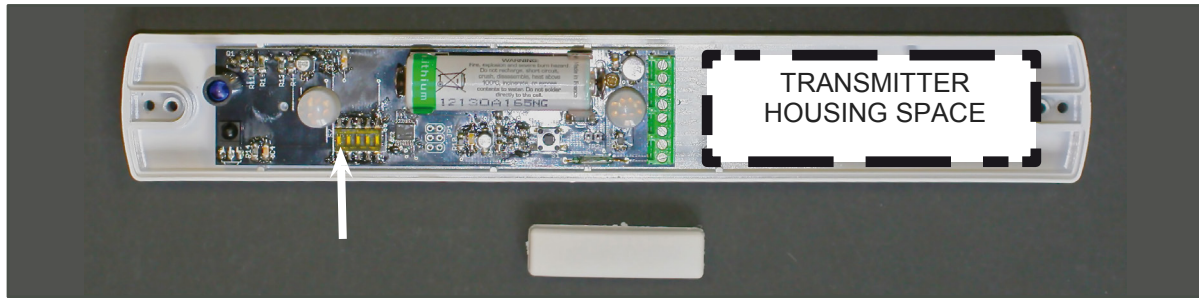
DIP 2
AND/OR

DIP 3
1 - 2



DIP 5
LED ON/OFF

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

TECHNICAL FEATURES

Power supply 1 Lithium Battery 3,6Vcc

Absorption 29 μ A at Rest

900 μ A 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

IR sensors can work in OR or AND mode.

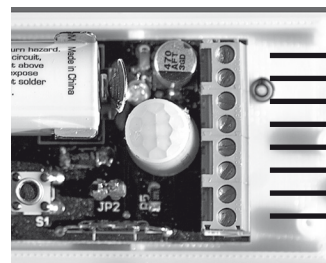
In OR mode, the signalling alarm is triggered by just one sensor detecting a movement. Thus, a higher sensitivity is achieved.

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).



Power supply positive
Power supply negative
Alarm
Alarm
Tamper
Tamper
Magnetic contact outlet
Magnetic contact outlet