

MINIGATE

"MINIGATE" sensor is a ultra miniaturized motion detector for curtain protection. It uses a **24GHz K-band Radar Doppler Transceiver** combined with a curtain **Infrared Sensor**.

The detector uses both technologies (IR + MW) in either configurations "AND" or "OR".

24.050-24.250GHz factory defined microwave frequency.

Owned exclusive curtain Fresnel lens. The lens fully encloses the pyroelectric sensor protecting this one from pollutants and allows the setting sensor before placing the cover. It is available a partially masked lens in order to obtain an "animal alley" protection.

Colors available **WHITE BROWN GREEN**

Technical specifications:

- "MINIGATE" detector is controlled by microcontroller and its operation is monitored by two leds: blu for microwave and red for IR.
- High immunity to pickup effect and electrical interference.
- Areas covering:microwave 34/80° - IR 100°
- 2 trimmers for MW range and integration settings.
- Trimmer for IR sensitivity setting.
- Dip switch for led enabling.
- Dip switch for AND/OR working mode.
- Anti tamper switch against top cover remove.
- Working temperature range: -20/+60°.
- Power supply voltage: 12V
- Power consumption: 35 mA i standby, 40 mA in operating mode
- EIRP=15 dBm
- EN50131-1 Grade 2 Class 3
- ROHs
- CE

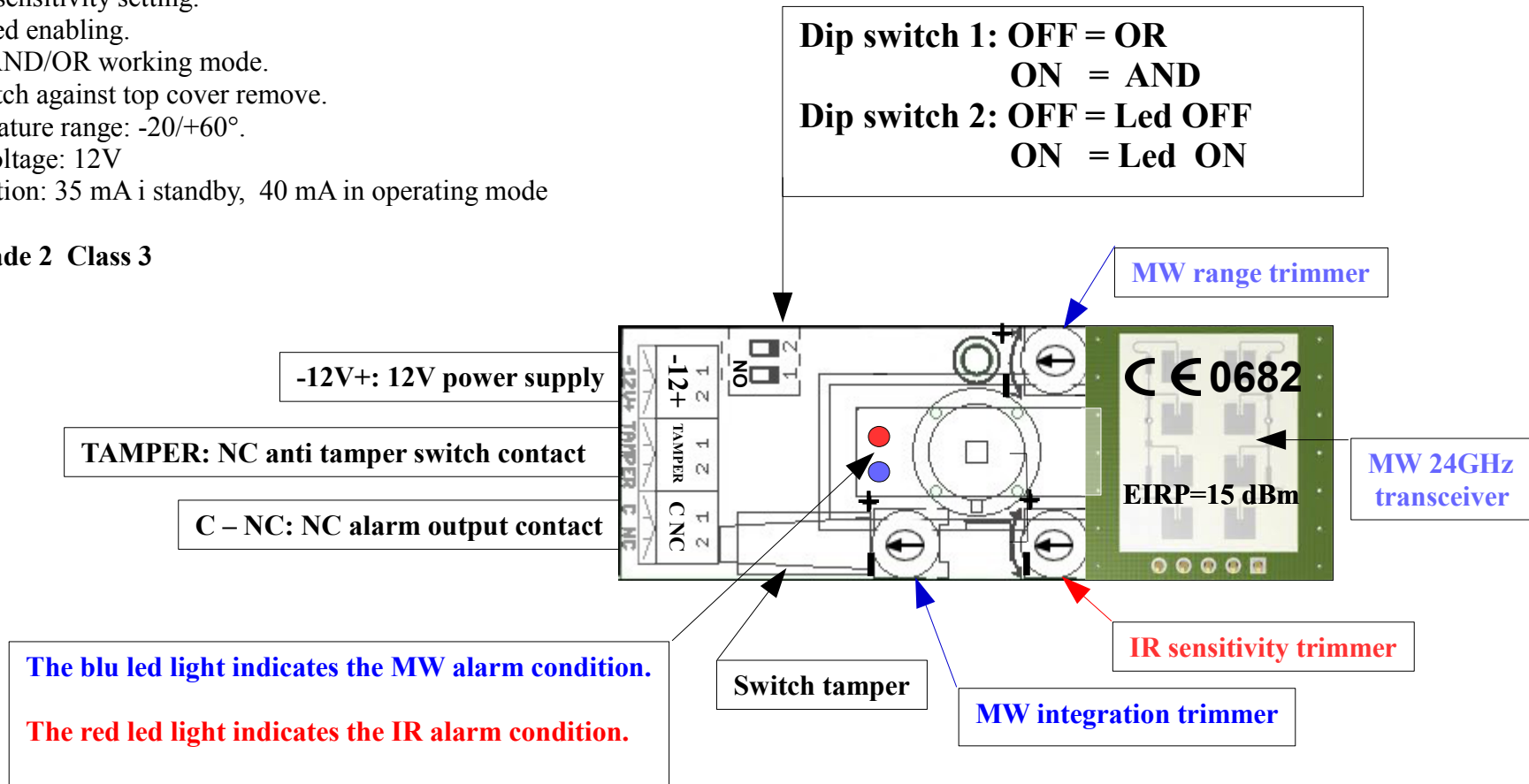
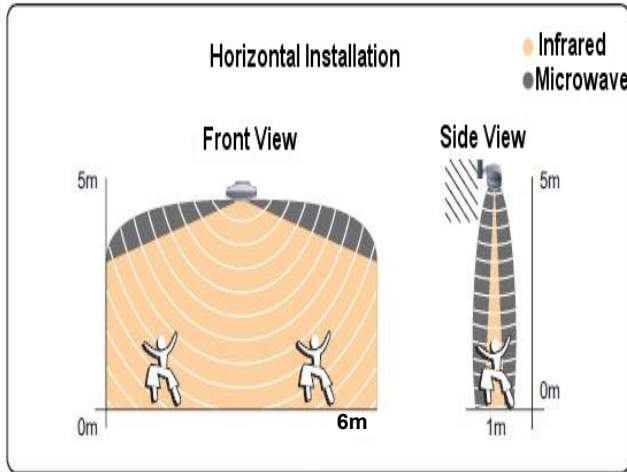
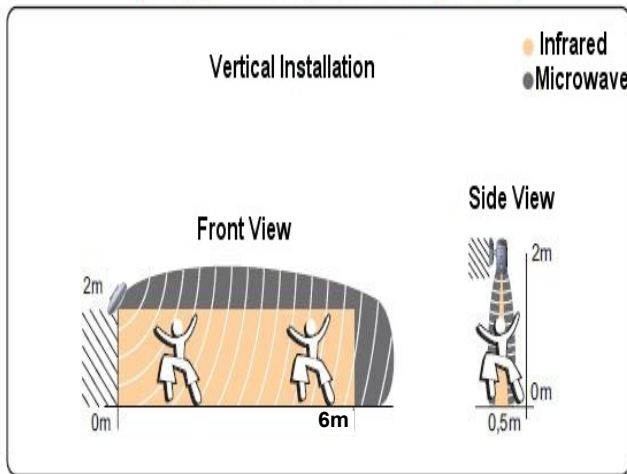
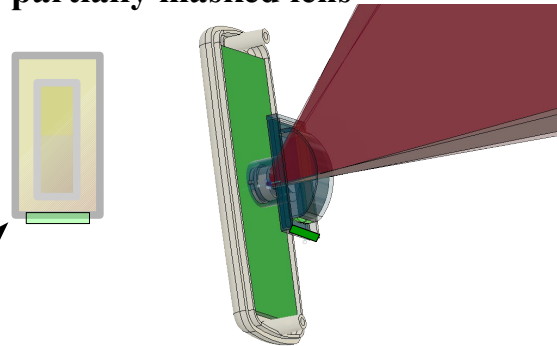


DIAGRAM OF DETECTOR'S COVERAGE



partially masked lens



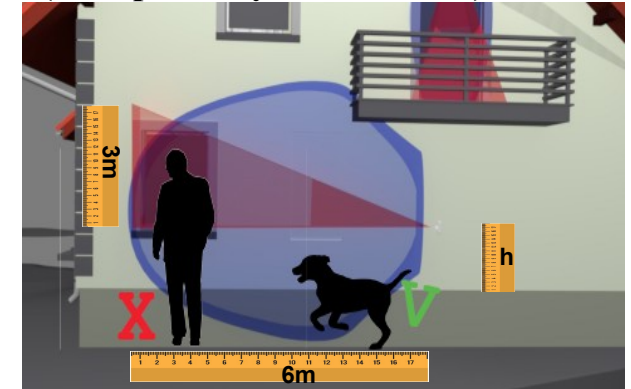
**Partially masked lens using.
Green paint drop = bottom free side reference.**

partially masked lens

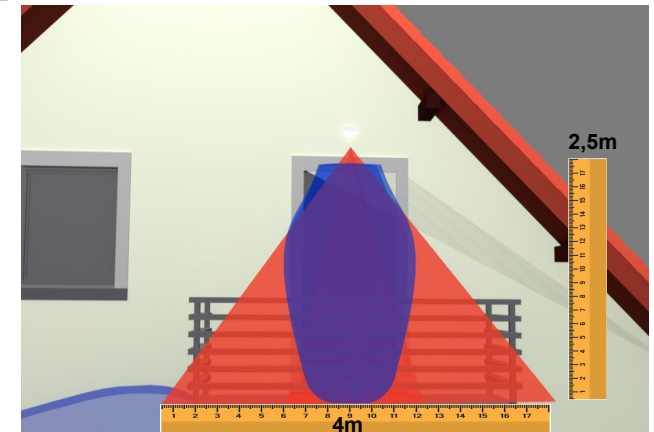


The installation height "h", while using the partially masked lens, is related to the max pet height the sensor has to ignore (please add few centimeters for tolerance) .

Horizontal mount "Animal Alley" (with partially masked lens).



Vertical mount (standard lens)



**Adress: A. Pio n° 1 Pozzuoli (NA)
80078
Tel.: 0818662450
technical assistance 800688670**