

GATE/OUTGATE

GATE/OUTGATE are dual technology indoor/outdoor barrier detectors in the 24.125GHz k band. Unlike the Gate Control, the Outgate is equipped with a 90° joint with a through hole for connecting the cables. Both detectors use a special Fresnel lens produced by us which facilitates - jointly with the circuit - the fitter's work (once the detector is fixed, allows the performance of coverage and calibration tests, without removing and/or replacing the detector cover).

Furthermore, the lens offers perfect isolation of the IR sensor, preserving it from atmospheric agents, dust, etc, which underlie most false alarms. Two O-rings protect the sensor and the lens from water and humidity infiltrations.

Main functions:

- **AND mode** - the alarm is triggered if both microwave and infrared sensors detect movement. In the **OR mode**, however, the alarm is triggered if any sensor detects movement.

All functions can be individually configured via DIP switches.

CONNECTIONS:

+ = Positive 12V power supply

- = Negative 12V power supply

TAMPER = 24H protection contact

C NC = NC alarm contact

BL = Microwave emission blocking input. The presence of a positive 12V signal blocks the microwave emissions.

12Vdc power supply

Absorption in idle status: about 27mA

Absorption in alarm status: max 36mA.

Working temperature range: -20°C to 50°C

Compartment for anti-tear contact on the joint (OUT-GATE version only)

Movement alarm discrimination controlled by integrated microprocessor.

High immunity to microphone effects and transients.

TRIMMER MW-RANGE: used to set the microwave range.

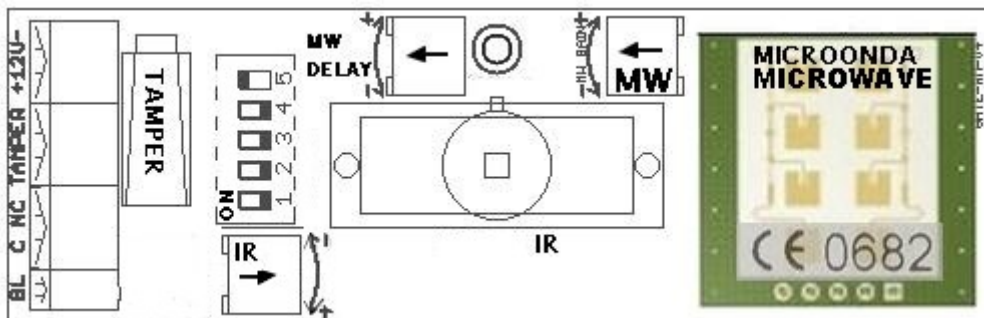
TRIMMER MW-DELAY: used to set the microwave delay.

TRIMMER IR-GAIN : used to set the infrared gain.

Block Input (green line) of the microwave emission with the system disarmed.

Tamper protection against opening of the detector cover.

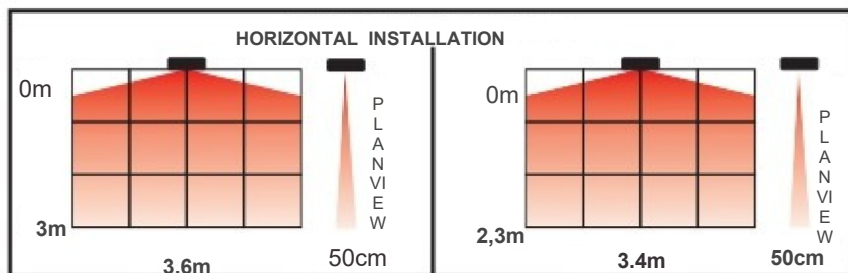
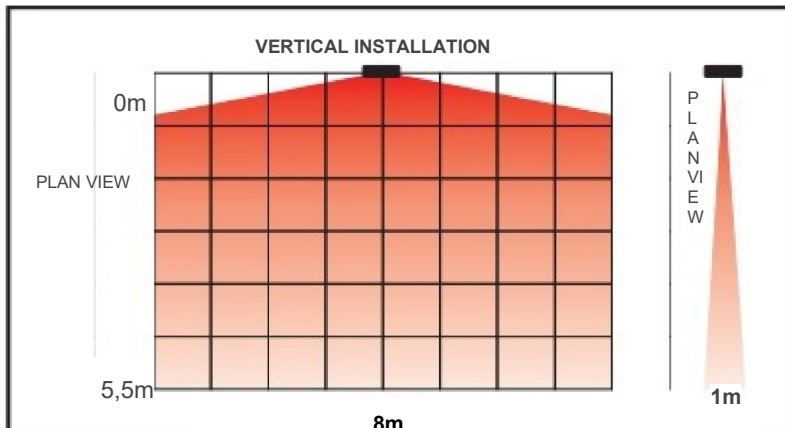
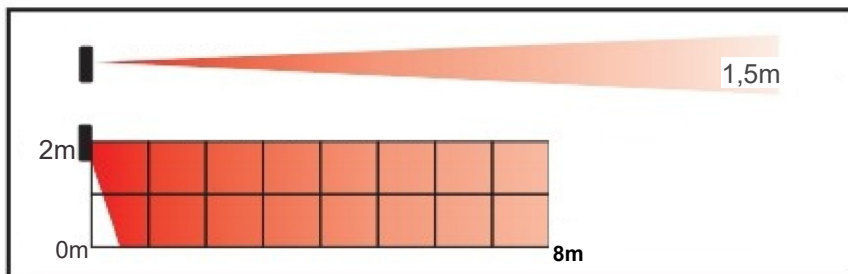
Microwave EIRP = 15dBm output power



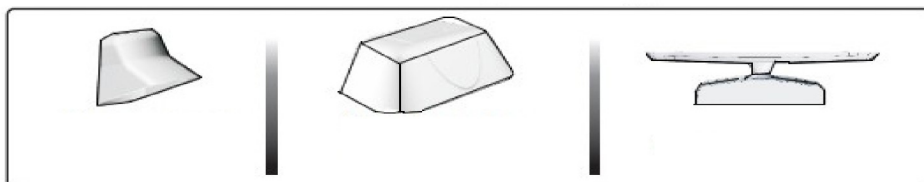
SETTINGS:

TRIMMER IR-GAIN	INFRARED GAIN SETTING (red led)	
TRIMMER MW-RANGE	MICROWAVE RANGE SETTING (blue led)	
TRIMMER MW-DELAY	MICROWAVE HALTING DELAY SETTING	
DIP-SWITCH 1	ON = DEFAULT	OFF = INACTIVE LEAVE ON!
DIP-SWITCH 2	ON = OR OPERATION	OFF = AND OPERATION (DEFAULT)
DIP-SWITCH 3	ON = DEFAULT	OFF = INACTIVE LEAVE ON!
DIP-SWITCH 4	ON = DEFAULT	OFF = INACTIVE LEAVE ON!
DIP-SWITCH 5	ON = LED ON (DEFAULT)	OFF = LED OFF

COVERAGE DIAGRAM:



ACCESSORIES:



Cover for vertical installation

Cover for horizontal installation

Rear joint

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GRADE II – CLASS II
 CEI EN 50131-2-4

