

Out-Gate A/Gate Control A

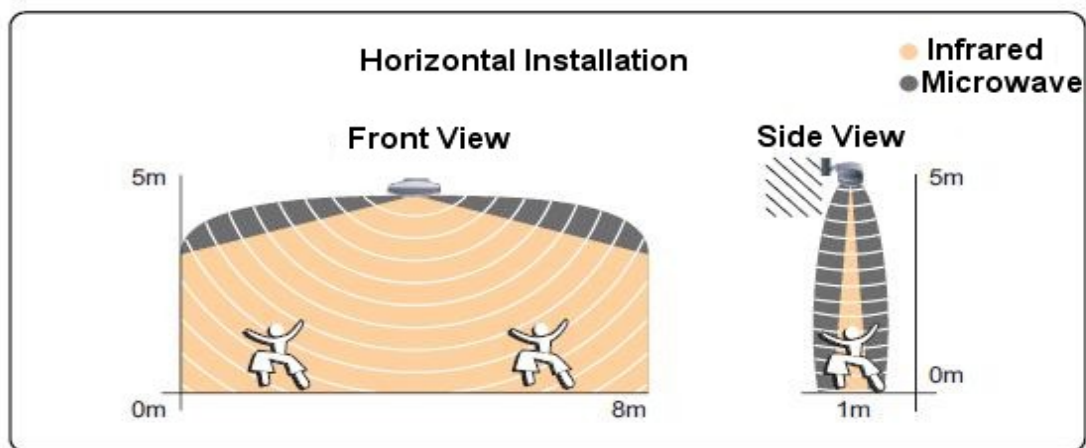
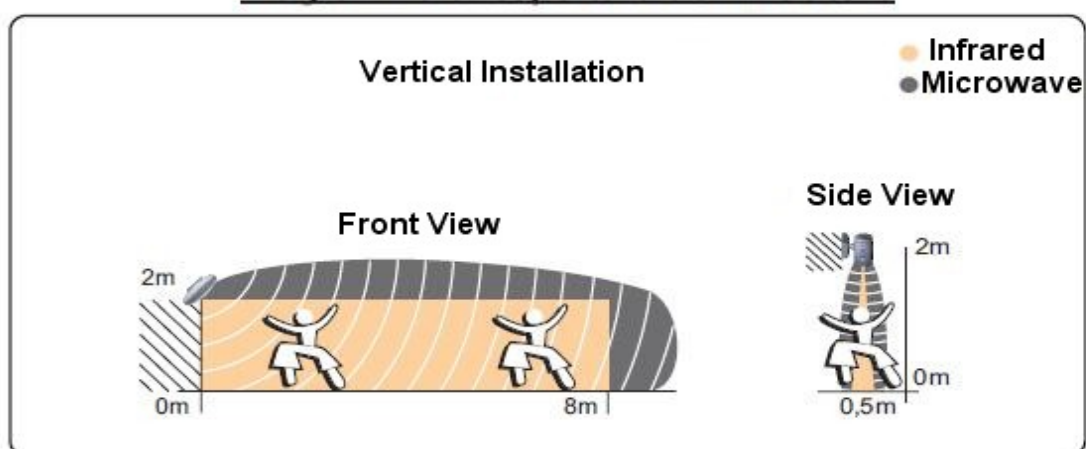
Dual Technology detector Indoor / Outdoor

Gate Control A is a detector that uses passive infrared and microwave k-band (24.250 Ghz) to report alarm conditions tested individually or from both technologies (function AND).

Exclusive Fresnel Curtain Lens, our design and production, is able to protect indoor and outdoor areas creating a curtain screen.

Gate Control A has the function Anti Masking with an active infrared sensor, placed inside the lens, able to detect any object or spray that blocks or masks the detector.

DIAGRAM OF DETECTOR'S COVERAGE



ACCESSORIES



CONNECTIONS:

Terminals + 12V / GND: It is the power input from 9 to 14 V - of the detector

Terminals TAMPER / ANTI MASKING: It is the anti tamper contact that is closed under normal conditions . When the casing of the detector is opened, the contact opens.

It is the contact of the anti masking relay that remains closed under normal conditions. If each object blocks (masks) the detector in the distance of about 3 cm. for 5 seconds, the contact will open for about 20 seconds and will be opened all the time. Both alarms are series is managed by a single alarm relay.

Terminals C NC: It is the contact of the alarm relay that is closed under normal condition . When it detects a human movement, the contact opens for two seconds

Terminal BL+ It is the exclusion of the microwave. By applying a positive (+) it stops the emissions of microwave.

CONFIGURATION:

Dip switch 1 :

1 ON = Anti Masking OFF

1 OFF = Anti Masking ON

Dip switch 2 :

2 ON = Led on

2 OFF = Led off

Trimmer for Microradar Sensitivity Adjustament (MW)

Trimmer for Microradar Delay Adjustament (MW-DELAY)

Trimmer for Infrared Sensitivity Adjustament (IR-GAIN)

SPECIFICATIONS:

Power supply..... 9 to 14Vdc

Power consumption in stand by..... 35mA

Consumption in operating mode..... 42mA

Heating time..... 1 minute

Microwave coverage 34°/80° > 8m

Infrared coverage..... 34°/120° > 8m

Fresnel curtain lens..... exclusive

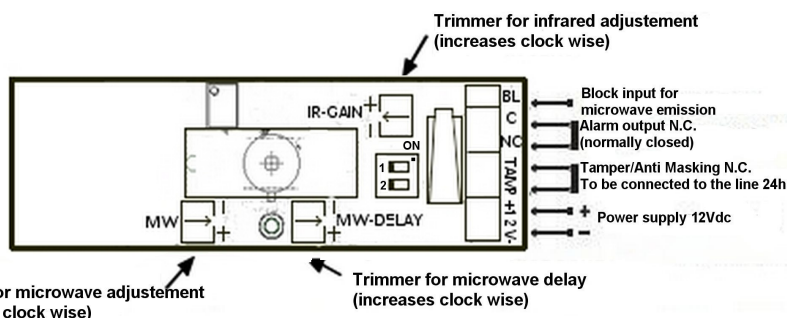
Range alarm relay..... 15V-20mA

Response time relay Anti masking 5"

Operating temperature..... -20 °C + 60 °C

Microwave frequency 24.250 Ghz

Diagram showing the internal components and connections of the detector, including trimmers for infrared adjustment, microwave adjustment, and microwave delay, as well as terminals for power supply, alarm output, and tamper/anti masking.



INDICATORS/RELAY STATUS:

TYPE OF DETECTION	LED INDICATOR	RELAY STATUS
ALARM	RED + BLUE	ALARM-RELAY OPENING FOR 2"
ANTI-MASKING DETECTION	FAST FLASHING RED AND BLUE LEDS	ALARM-RELAY OPENING FOR 20" IF MASKING PERSISTS FOR MORE THAN 5"

EN 50131-2-4 GRADE III - CLASS IV



by SIMA elettronica s.r.l.