

Gate Control A

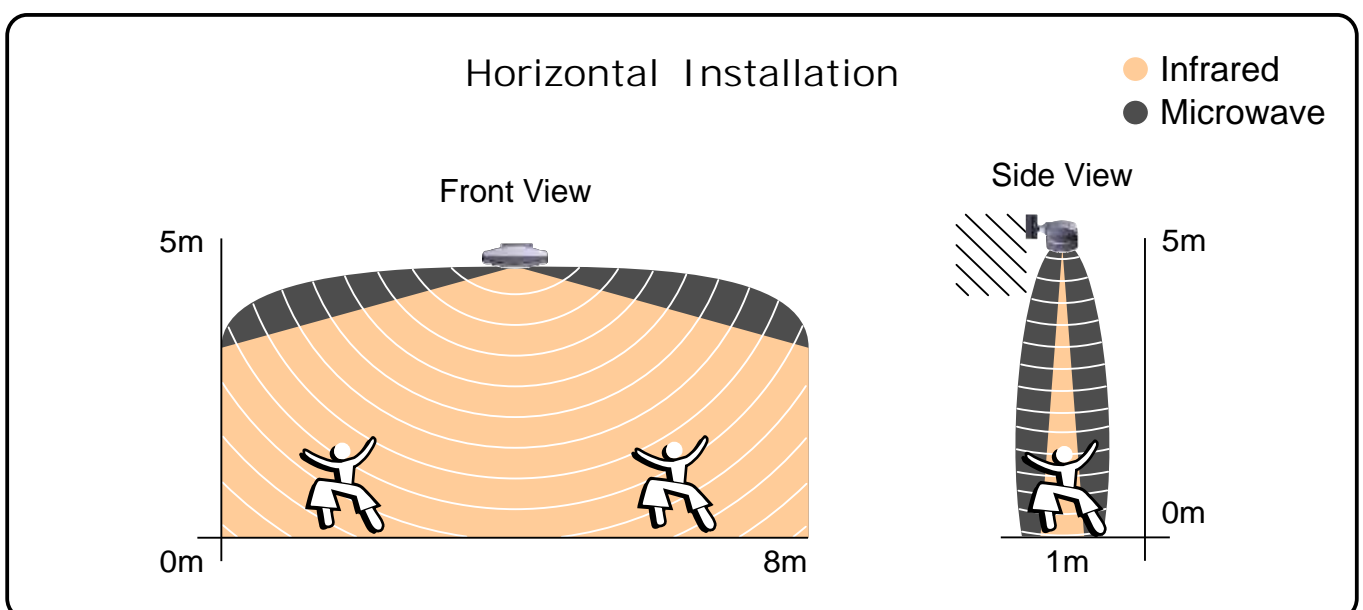
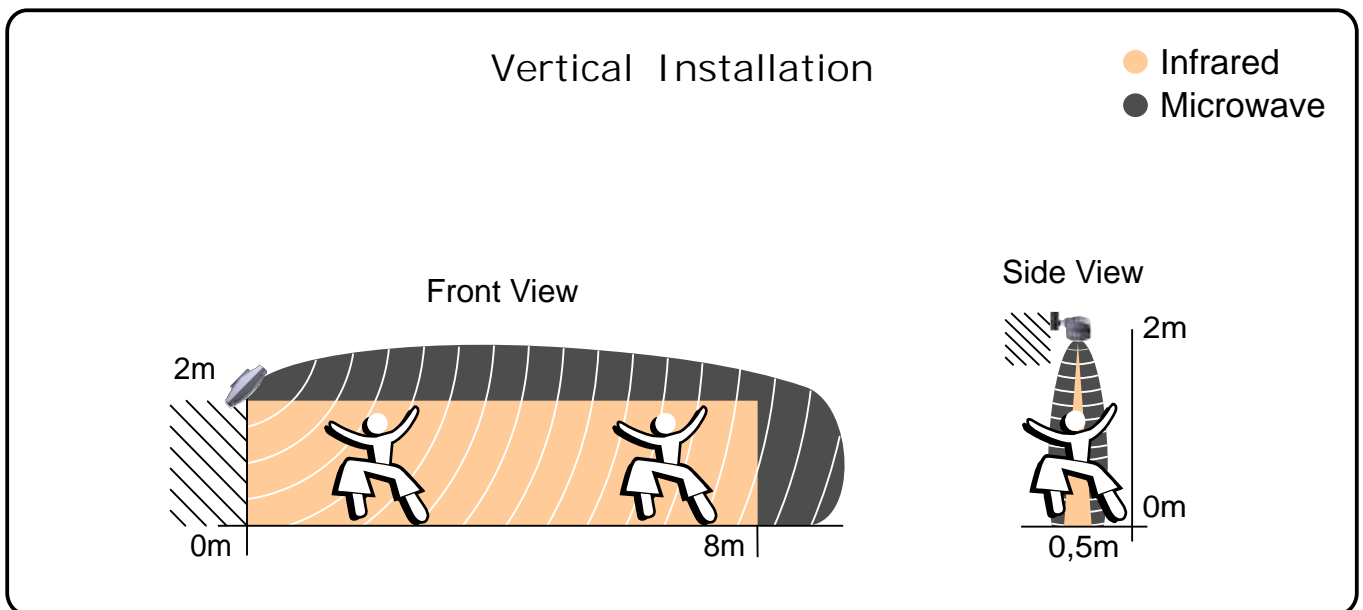
Dual Technology detector Indoor / Outdoor

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-OR).

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



INSTALLATION INSTRUCTIONS

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.

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

Trimmer : adjusting the microwave coverage

Dip switch 1 : mode AND/OR

1 ON = mode AND

1 OFF = mode OR

Dip switch 2 : ON/OFF Led

2 ON = Led on

2 OFF = Led off

JP1 : ON/OFF Anti Masking

Open = ON

Close = OFF

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

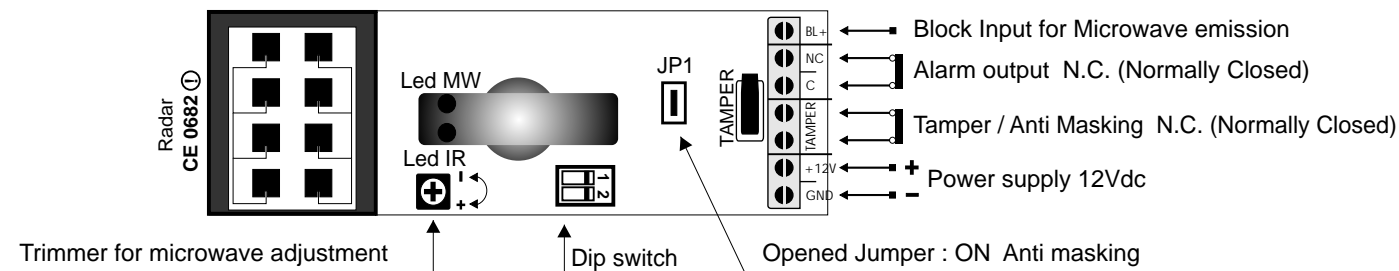
Fresnel curtain lens..... exclusive

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

Response time relay Anti masking 5"

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

Microwave frequency 24.250 Ghz



Indicators/State relay

Detection type		LED	State Relay
Alarm		RED+BLUE	ALARM - Open relay for 2"
Infrared	AND	RED	No Alarm
	OR	RED	ALARM - Open relay for 2"
Microwave	AND	BLUE	No Alarm
	OR	BLUE	ALARM - Open relay for 2"
Microwave		NO REPORT	ALARM - Open relay (TAMPER) for 20" if the mask last for more than 5"

EN 50131-2-4 GRADE III - CLASS III