

GLOBAL SPACE



GENERAL FEATURES

The GLOBAL SPACE is a dual technology detector for outdoor mounting with a multi-point technology: triple infrared and microwave.

The detector emits 43 infrared beams distributed on 5 levels, combined with the microwave beam. The AND detection logic is programmable. The detector is equipped with an antimasking function and automatic diagnostic functions, such as self test and temperature compensation.

INSTALLATION

The detector can be installed indoors and outdoors, even not protected, in vertical position on a solid surface at 2.30m height (to guarantee best coverage of the protected area).

The optional corner mounting bracket permits a 22.5° or 45° orientation compared to the mounting surface.

It is recommended to use the rain cover, if the detector is installed in areas that are particularly exposed to disturbances and weather conditions.

RDV®

The detection logic can be combined with the RDV® function. If the item **RDV modulation in alarm** is programmed, the microwave sensor is activated if at least one infrared element detects an alarm.

ANTIMASKING CONTROL

The detector is equipped with an excludible antimasking control.

SELF TEST

The detector is quipped with a self test function of the detection units. The test has a duration of a few seconds, if the result is negative, the detector signals failure by activating the signaling LED and the failure output.

TEMPERATURE COMPENSATION

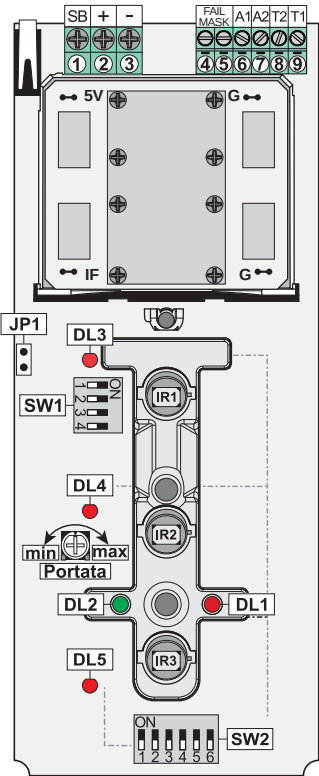
The temperature compensation function dynamically adapts the sensitivity of the three infrared elements to the ambient temperature. The function has the aim to maintain the detection efficiency in case of critical ambient temperatures.



ELECTRONIC BOARD

The electronic board provides a jumper for the exclusion of the antidetachment tamper and two dip-switches for

programming of the contact type and the detection logic.



Description of the terminals			
	1 SB	Negative standby input	-
	2 +	Positive power supply voltage	+13.8V DC
	3 -	Negative power supply voltage	-
	4 FAIL MASK	Failure output	NC free contact
	6 A1	Alarm output	NC free contact
	7 A2	Alarm output	NC free contact
	8 T1	Tamper output	NC free contact
	9 T2	Tamper output	NC free contact
N.B. For the contact type B24 use the terminals A2 and T2			

Jumper	Description		
JP1	Antidetachment tamper	Active	Excluded

Range trimmer	
	Setting of range and sensitivity

LED	Color	Alarm signaling	
DL1	Red	2s on	Alarm IR section
DL2	Green	2s on	Alarm MW section
DL3	Red	Blinking quickly	Interruption beam IR1
DL4	Red	Blinking quickly	Interruption beam IR2
DL5	Red	Blinking quickly	Interruption beam IR3
DL1 + DL2	Red Green	2s on	Validated alarm

LED	Color	Masking and failure signaling	
DL1	Red	Blinking slowly	500ms on 500ms off Masking
		On	Validated antimasking alarm
DL3	Red	Blinking quickly	100ms on 100ms off Failure IR1
DL4	Red	Blinking quickly	100ms on 100ms off Failure IR2
DL5	Red	Blinking quickly	100ms on 100ms off Failure IR3



CONNECTION

The detector can be connected to a zone input programmed as normally closed (NC), end-of-line resistor (BIL) or double end-of-line resistor (B24).

The contact type can be programmed using the dip-switch SW1.

DETECTION LOGIC

The detection logic can be selected from the four available. It is based on the AND principle, i.e. the interruption of one or two infrared beams associated to the microwave.

The microwave can be excluded so that the logic AND

single beam is transformed into the OR logic.

The detection logic can also be combined with the RDV[®] function. In this case, the detection of an alarm by one IR element activates the microwave.

SW1	SW1.1 - SW1.2 - SW1.3									SW1.4
	EOL resistor			Normally closed			DEOL resistor			LED
	SW1.1	SW1.2	SW1.3	SW1.1	SW1.2	SW1.3	SW1.1	SW1.2	SW1.3	ON - Enabled
	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	OFF - Disabled

SW2	SW2.1 - SW2.2							
	AND adjacent beams		AND single beam/OR		AND two beams with priority		AND two beams	
	SW1.1	SW1.2	SW1.1	SW1.2	SW1.1	SW1.2	SW1.1	SW1.2
	OFF	OFF	ON	OFF	OFF	ON	ON	ON
	2 adjacents IR		1 IR		IR1 prior-ranking		2 IR	
	IR1 + IR2 + MW		IR1 + MW		IR1 + IR2 + MW		IR1 + IR2 + MW	
	IR2 + IR3 + MW		IR2 + MW		IR1 + IR3 + MW		IR1 + IR3 + MW	
			IR3 + MW				IR2 + IR3 + MW	
	SW2.3		SW2.4		SW2.5		SW2.6	
	Pulse count		Microwave (MW)		RDV [®] function		Antimaking	
	OFF - 1 pulse		OFF - Enabled		OFF - Disabled		OFF - Enabled	
	ON - 3 pulses		ON - Disabled		ON - Enabled		ON - Disabled	

COVERAGE DIAGRAMS

