

IMA12 DETECTOR

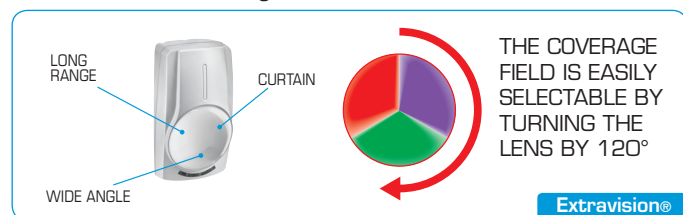
cod. IM3000111



Double technology detector equipped with three-function Extravision® hemispherical Fresnel lens.

EXTRAVISION® THREE-FUNCTIONAL HEMISPHERICAL LENS (Elkron patent)

High-density lens with selectable coverage fields (volumetric, long-range, curtain) where the uniform sensitivity optics allow detection capacities regardless of the intruder's distance or position inside the coverage field.



PROTECTED P.I.R.

The PIR sensitive element is completely protected against disturbances due to insects and/or air draughts which might generate false alarms.

HALOGEN LIGHT PROTECTION

The lens colouring prevents false alarms should the sensitive element be hit by white light rays.

SPA10 BRACKET (Elkron patent)

- wall or ceiling fastening
- cables passing inside
- removal protection (optional)



ALARM RELAY INHIBITION

Possibility of programming the alarm output so that it is inhibited when the detector is in "stand-by" mode.

AUTOEQUALIZER FUNCTION

The detector MW section is provided with AUTOEQUALIZER function for a dynamic adaptation to the alarm thresholds.

STAND-BY "S" CONTROL

Through this input the detector is informed on the system state (on or off). Therefore, it is possible to program the detector so that this information can control the alarm relay and LED activation/deactivation.

TEMPERATURE AUTOMATIC ADJUSTMENT

The detector is fitted with an automatic temperature adjustment system which adapts the detection sensitivity to the different environmental conditions.

OPERATING LOGICS

Two operating modes are possible:

AND1: the alarm is triggered only if both IR and MW sections are energized;

AND2: the alarm is triggered only if both IR and MW sections are energized, or if the MW section is energized for some seconds.

MICROWAVE EMISSION INHIBITION

The detector is in stand-by mode (system off) inhibits the emission generated by the microwave section

FAULT MEMORY

The detector can detect fault situations and display the type of fault through the LED flashing. The detected fault conditions are the following: power supply voltage fault; microwave section fault; infrared section fault.

Technical Characteristics

Supply nominal voltage :	12 Vcc
Min - max operation voltage:	9 - 15 Vcc
Absorption 12V— :	14 mA nom. ; 35 mA max.
Pulse counter:	X1/X2
Alarm memory	
Walk Test:	it is signalled by the LED coming on (it can be cut off)
Microwave sensitivity (MW):	adjustable with trimmer 4÷15 m ± 20%
Frequency:	9,900 Ghz / 10,525 GHz
Emission power (EIRP) :	25 mW max (impulse transmission)
Range:	12 m nominal
IR coverage:	90° (wide angle lens), 6° (curtain and long range lens)
MW coverage:	90° horizontal - 36° vertical
Sensible zones:	23 on 5 planes + 2 creep zone (wide angle) 1 on 1 plane + 1 creep zone (curtain) 7 on 5 planes + 1 creep zone (long range)
Alarm relay:	NC 100 mA @ 24 Vcc / Rmax. = 35 ohm
Anti-tamper device:	50 mA @ 24 Vcc
Operating temperature :	-10 °C / +55 °C (declared by the manufacturer) +5°C ÷ +40°C (certified according to CEI 79.2)
Dimensions (H x L x D) :	124 x 70 x 54 mm
Weight :	124 g

OPTIONAL ACCESSORIES

- Bracket SPA10..... code SP7500111
- Tamper kit for SPA10..... code KT7800111



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