

# IRA14 DETECTOR

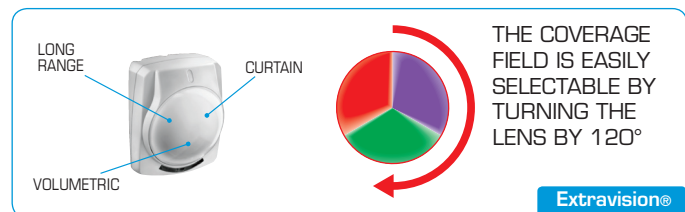
cod. IR7B00211



Detector with passive infrared **signal digital processing** 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)



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## 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.

## ALARM RELAY INHIBITION

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

## AUTOMATIC TEMPERATURE COMPENSATION

The detector is provided with two-direction automatic compensation, i.e., when environment temperature increases and approaches human body temperature, actuation threshold is decreased, while, when environment temperature becomes higher than human body temperature, the threshold rises back.

## FAULT DISPLAY

The detector can detect infrared section faults by displaying them through the flashing LED.

## SENSITIVITY ADJUSTMENT

It is possible to adjust the detector sensitivity according to two levels.

## PRE-ALARM FUNCTION

The approaching of the alarm threshold is indicated by the flashing LED, while the threshold reaching is indicated by the LED steady light.

## Technical Characteristics

Supply nominal voltage:	12 Vcc
Min - max operation voltage:	9 - 15 Vcc
Absorption 12V— :	11 mA nom. ; 17 mA max.
Pulse counter:	X1/X2
Wide Angle lens range:	15 - 12 m
Curtain lens range:	15 - 12 m
Long range lens range:	25 m - 18m
IR coverage:	90° (wide angle lens) 6° (curtain lens) 6° (long range lens)
Sensible zones:	23 on 5 planes + 2 creep - zone (wide angle lens) 1 on 1 plane + 1 creep - zone (curtain lens) 7 on 5 planes + 1 creep - zone (long range lens)
Alarm relay :	solid state relay - NC 0.1A@24V— / R max = 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) :	85 x 70 x 50 mm
Weight :	80 g
<b>OPTIONAL ACCESSORIES</b>	
- SPA 10 bracket .....	code SP7500111
- Tamper for SPA10 .....	code KT7800111

