

# INFRATRONIC



**Long Range  
Passive Infrared  
DETECTOR**

**RANGE 150 mt.**



**OUTDOOR PROTECTION  
OUR PROFESSION**



**MADE IN ITALY**

# IFR150XT

## Outdoor Passive Infrared Detector



 **MADE IN ITALY**

Infratronic **IFR150XT** long-range Passive Infrared Detector (PIR) has been developed for detection of intruders up to 150 meters. Can be used when the installation of traditional active infrared beams is difficult or impossible. Moreover the area protected cannot be identified by an intruder due to the passive operation of the unit.

### OPERATION

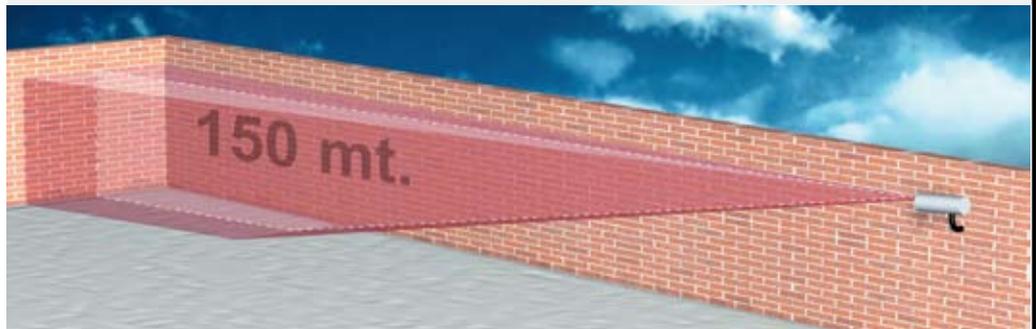
The **IFR150XT** is a passive device designed to detect any intruder by his movement due to the infrared contrast against the background. Two curtains sensing areas provide the alarm only when they detect infrared radiation emitted by a human body entering in the first curtain and leaving the second one. The detection algorithm eliminates slow temperature changes and avoid nuisance alarm caused by small animals, flying birds and moving vegetation.

The **IFR150XT** provides a tamper and mercury switch which is activated

whenever the device is opened or moved. This allows the security guards to identify any attempt to disable the **IFR150XT** or alerts them if the unit is out of service due to maintenance work. Since the **IFR150XT** only react to infrared radiation, they can be used during day&night as well as under changing climatic conditions such as fog, rain and snow. For the installation, a robust **IP65** weatherproof aluminium housing is supplied with his bracket. An easy optical alignment is provided through a built-in view finder. A precise optical protection can be obtained due to the accurately defined sensing curtain. The connection cables are completely invisible and equipped with concealed cable channel inside the bracket.

### APPLICATION

Usefull for the protection of large buildings and long walls as well as combined with CCTV systems and Video Motion Detectors (VMD).



RANGE	150 meters
SENSOR TYPE	Differential Pyroelectric array
HORIZONTAL FIELD OF VIEW	1,2°
VERTICAL FIELD OF VIEW	1,8°
SPEED OF DETECTION	0,5 ~ 7 m/sec.
OUTPUT TYPE	N.C. relay / NPN open collector
MAXIMUM VOLTAGE RELAY	30V
MAXIMUM CURRENT RELAY	500mA
OTHER ALARMS INDICATIONS	Internal LED
SUPPLY VOLTAGE	12VDC
OPERATING TEMPERATURE RANGE	-25°C to +55°C
TEMPERATURE COMPENSATION CIRCUIT	YES
SEALING	IP65
WEIGHT	2,2 Kg.
CABLE FEED THROUGH	1 x PG7 IP68
DIMENSIONS	400x165x105 mm.
MOUNTING	Bracket for wall or pole(included)
DIMENSION OF THE POLE	Ø 80 mm.