

# Features

## KX15DT

RESIDENTIAL / COMMERCIAL / INDUSTRIAL

Digital dual technology, 15m

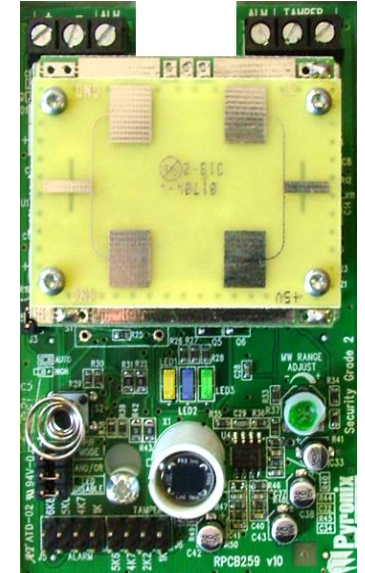
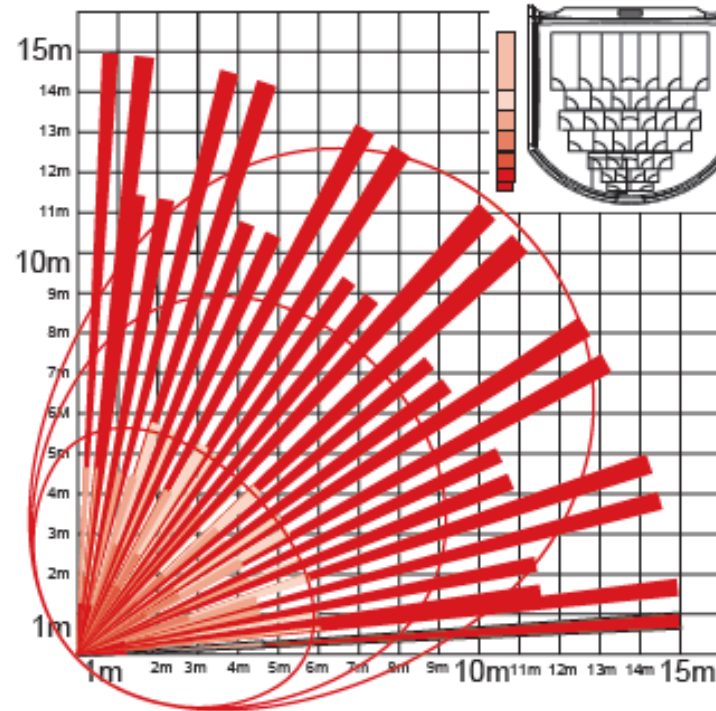
- 15m volumetric range
- Auto sensitivity adjustment
- Built in EOL resistors
- Creep zone
- Adjustable MW range from 0m to 15m
- **Blue Wave** & IFT false alarm filters
- Digital temperature compensation
- Programmable AND / OR alarm option
- Included ceiling and wall mount brackets
  
- Available in 3 frequencies

*Certified to EN50131-2-4 Grade 2 and Incert*

85 Degrees

74 zones

7 planes



3 status LEDs

**Microwave Activation LED**

**Alarm Activation LED**

**Infrared Activation LED**

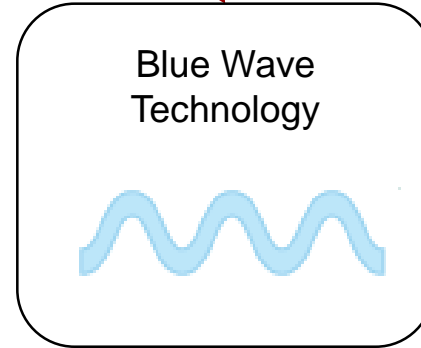
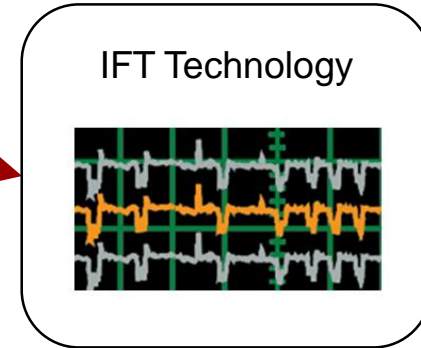
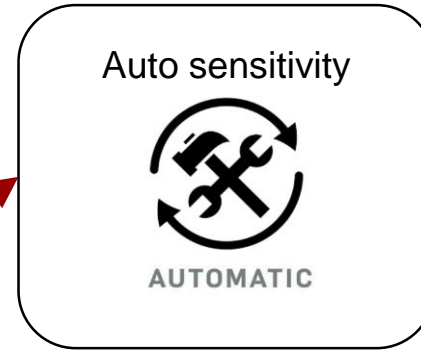
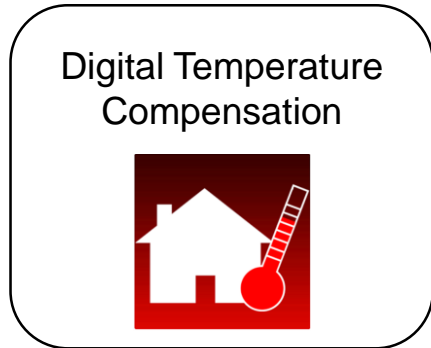
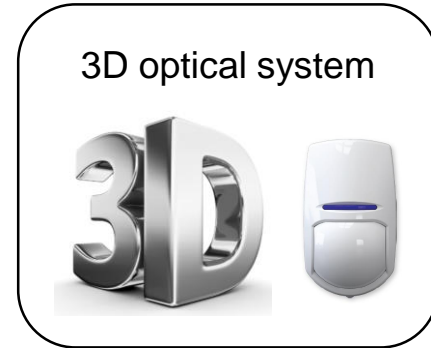
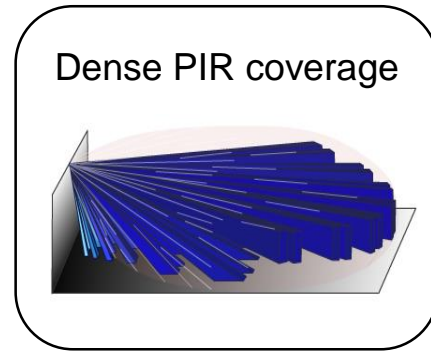
# Key Sales Points

The Pyronix volumetric lens covers a dense area of clearly defined 74 zones at 7 different levels with aperture of 90D.

Pyronix also offers excellent options of narrow curtain and long range detection solutions.

The 3D optical allows better focussing of the zones into the PIR sensor to ensure detection if each zone edge by the PIR improving the detection of moving targets. The 3D optics also ensures protection of the area below the detector - creep zone.

This technology digitally adjusts the sensitivity of the detectors to maintain its specified range in hot and humid or cold environment when the background temperature is close to the human body temperature.



Automatic sensitivity allows the detector to self-adapt to changing environmental conditions, ensuring stability while range and intruder catch performance is maintained.

Independent Floating Thresholds technology ensures the alarm thresholds are auto adapting to the environment cancelling out disturbances.

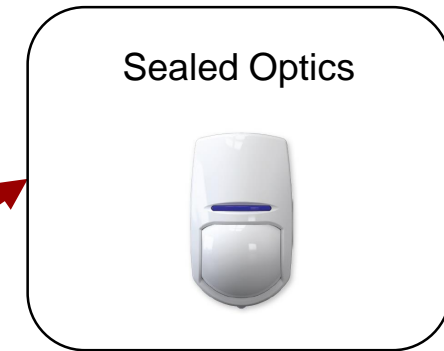
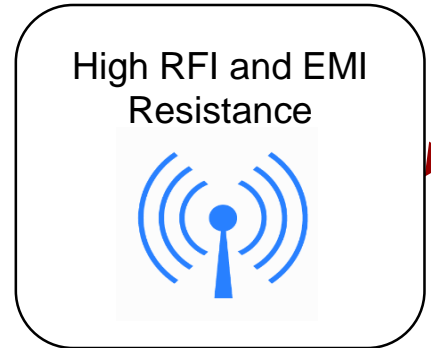
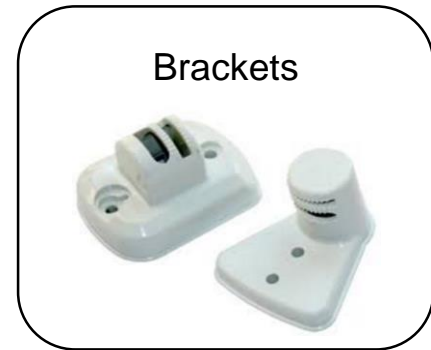
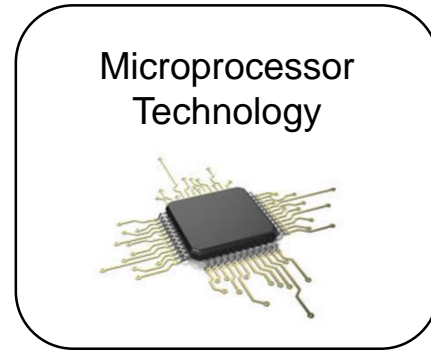
Blue Wave Technology safeguards against false alarms and improves immunity to interference through advanced signal processing and 3D optics.

# Key Sales Points

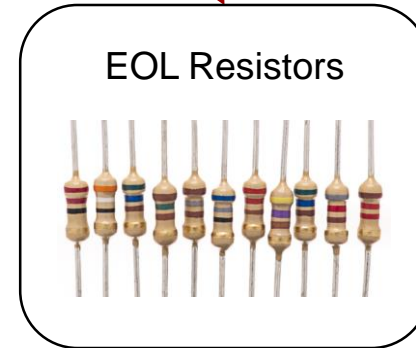
The digital signal processing is based on an advanced microprocessor technology. Such technology allows to quick process all information from the zone edges, microwave sensor and temperature before making decision to activate or not the alarm.

Ceiling and wall brackets with tamper protection option and cable through function for protecting the cables.

The detectors are designed and tested to be resistant to modulated and pulsed radio frequency disturbances up to 2700MHz and 25-75V/m



The optical design protects the PIR sensor by creating a protective chamber between the lens and sensor. This chamber isolates the sensing device from insects that could be major source of false alarm activation.



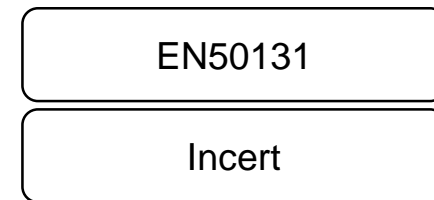
To make the installation easier and more reliable 5 different selectable resistor values are build onto the detector for the alarm and tamper relays.

# Key Sales Points

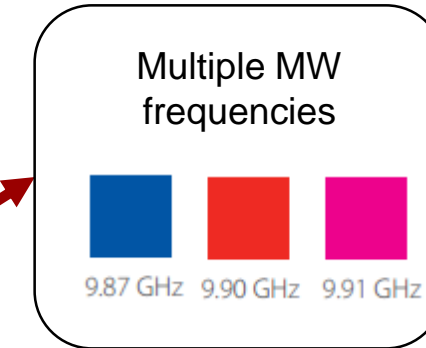
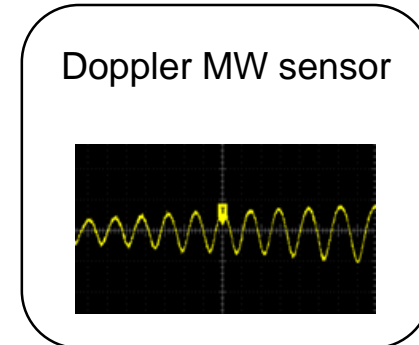
Anti-cloaking technology ensures that any attempt to block the field of view is detected.



The detector is approved to EN50131 Grade 2 and Incert for Belgium.



All Pyronix Dual Technologies detectors use X band high performance Doppler diode (DRO) based MW sensor.



The MW is supplied with 3 bands of the same frequency to avoid MW cross-talk interferences:

FCC: 10.515, 10.525, 10.535 GHz

PTT: 9.87, 9.90, 9.91 GHz

DTI (UK only): 10.680, 10.587, 10.695 GHz

AND/OR anti-cloaking technology gives priority to the microwave sensor under certain conditions, such as an intruder wearing clothing with infrared cloaking properties to maintain performance.



# Where is Best to use Dual Technology Detectors

PIR Technology

Dual Technology

PIR Technology

PIR Technology

PIR Technology

Dual Technology

External Dual Technology

