THE KX SERIES

One family for all your detection needs

The KX Series comprising of 6 detectors in one common housing offers the ultimate in flexibility. Utilising the latest detection technologies, this extensive range with interchangeable pcb modules allows simple exchange or easy upgrading. No matter the application or environment, the KX Series is the perfect choice.

KX15ED — Dual Element PIR Detector

- 15 m Volumetric coverage (Lens 2)
- Dual Element Pyro-electric Sensor
- Patented Independent Floating Thresholds (IFT)
- Temperature compensation

KX15DQ — Digital Quad Blue Wave Technology PIR Detector

- 15 m Volumetric coverage (Lens 2)
- Blue Wave Technology
- Patented Independent Floating Thresholds (IFT)
- Remote LED Enable Input
- Digital temperature compensation

KX18DC — 18m Blue Wave Technology Curtain PIR Detector

- 18 m Vertical Curtain & 30 m Long Range Lenses Supplied
- Solid Vertical Curtain Detector: Ensures solid vertical curtain coverage which is ideal for protecting areas such as windows, doors or ceilings and also offers excellent internal perimeter protection. It is ideal for use in environments where a window needs to be protected, but the remainder of the room may be in use.
- Dual Element Pyro-electric Sensor
- Patented Independent Floating Thresholds (IFT)
- Remote LED Enable Input
- Digital temperature compensation

KX10DP — Dual Element Digital Pet Immune Blue Wave Technology Detector

- Immunity up to 24 kg animal
  Utilising unique pet discrimination technology, the KX10DP provides optimum intruder catch performance whilst intelligently differentiating between pets and humans. This combined with Pyronix' patented Independent Floating Threshold Technology ensures unsurpassed stability and guarantees optimum performance at all times.
- Dual Element Pyro-electric Sensor
- 10 m Fixed Detection Range
- Patented Independent Floating Thresholds (IFT)
- Remote LED Enable Input
- Digital temperature compensation

KX15DT — Dual Element Digital Combined PIR and Microwave Blue Wave Technology Detector

- Dual Element Pyro-electric Sensor
- 15 m Detection Range
- Patented Independent Floating Thresholds (IFT)
- Triple LED Indication
- Microwave Frequency Options
- X-band DRO Based Microwave
- Patented Independent Floating Thresholds (IFT)
- Digital temperature compensation

KX15DTAM — 3-in-1 Digital Combined Dual Element PIR and Microwave Blue Wave Technology Detector
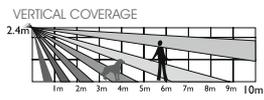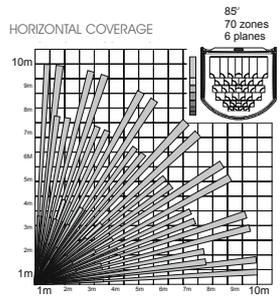
- Supplied with the following lenses:
    - 15 m Volumetric Dual Technology
    - 18 m Vertical Curtain PIR
    - 30 m Long Range PIR
- Unique Patented Anti-Masking Detection
- 0-1 m Adjustable Mask Detection
- Selectable EOL Resistors for Alarm, Tamper, Mask/Fault
- Anti-Block Technology
- Active Self Test
- AND/OR Technology
- Patented Independent Floating Thresholds (IFT)
- Remote LED Enable Input
- Low Voltage Fault Detection
- Front and Back Tamper
- Digital temperature compensation

② TS 50131-2-2
EN 50131-1-2
Security Grade 2
Environmental Class 2

③ TS 50131-2-4
EN 50131-1-2
Security Grade 3
Environmental Class 2

Pyronix®

KX Comparison Chart	KX15ED	KX15DQ	KX18DC	KX10DP	KX15DT	KX15DTAM
Selectable EOL Resistors	•	•	•	•	•	•
Blue Wave Technology		•	•	•	•	•
Patented Independent Floating Thresholds (IFT)	•	•	•	•	•	•
Adjustable Sensitivity Settings	•	•	•	•	•	•
Automatic Temperature Compensation	•					
Digital Temperature Compensation		•	•	•	•	•
Tamper Proof Brackets	•	•	•	•	•	•
Remote LED Enable Input		•	•	•		•
Triple LED Indication					•	•
Unique Pet Discrimination				•		
Microwave Frequency Options					•	•
Unique Patented Anti-masking Detection						•
Solid State Relays	•	•	•	•	•	•
Low Voltage Fault Detection						•
Security Grading	TS 50131-2-2 & EN 50131-1 Grade 2	TS 50131-2-2 & EN 50131-1 Grade 2	TS 50131-2-2 & EN 50131-1 Grade 2	TS 50131-2-2 & EN 50131-1 Grade 2	TS 50131-2-4 & EN 50131-1 Grade 2	TS 50131-2-4 & EN 50131-1 Grade 3
Residential	•	•	•	•	•	•
Commercial	•	•	•	•	•	•
Industrial		•	•		•	•

Lenses

Lens 1 - 10m Volumetric

HORIZONTAL COVERAGE
85°
70 zones
6 planes

VERTICAL COVERAGE

Lens used for:
KX10DP

Lens 2 - 15m Volumetric

HORIZONTAL COVERAGE
85°
74 zones
7 planes

VERTICAL COVERAGE

Lens used for:
**KX15ED, KX15DQ
KX15DT, KX15DTAM**

(Red lines show microwave coverage)

Lens 3 - 18m Solid Vertical Curtain

20°
24 zone edges
6 planes

HORIZONTAL COVERAGE

VERTICAL COVERAGE

Lens used for:
KX18DC, KX15DTAM

Lens 4 - 30m Long Range

HORIZONTAL COVERAGE

46 zone edges
6 planes

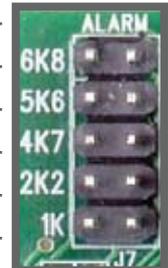VERTICAL COVERAGE

Lens used for:
KX18DC, KX15DTAM

Common Features

Selectable End of Line (EOL) Resistors

The KX Series* has on-board selectable alarm resistor values catering for most control panels on the market. When using the KX Series in-built EOL resistors, installation is kept to a minimum, no awkward wiring or checking resistor colour codes. Simply move the header links supplied to the resistor values required. The KX Series even has the flexibility to still be wired as conventional normally closed loops.

Selectable Alarm Resistor Values

6.8K Ω	6K8
5.6K Ω	5K6
4.7K Ω	4K7
2.2K Ω[†]	2K2
1K Ω	1K

Selectable Tamper Resistor Values

5.6K Ω	5K6
4.7K Ω	4K7
2.2K Ω	2K2
1K Ω	1K

*The KX15DTAM also has Mask / Fault Selectable EOL resistors.
†Available on the KX15DQ, KX18DC & KX10DP only
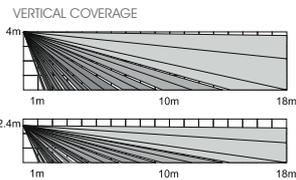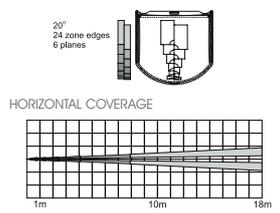
Aspherical Lens

In the KX Series, the distance between the pyro-electric sensor and the lens is identical for each detection zone. This eliminates distortion and provides excellent focused zones.

In traditional detectors the lens is made in a flat form and bent into a cylinder. Therefore the distance between the pyro-electric sensor and the lens varies for each detection zone. This causes distortion and unfocused zones.
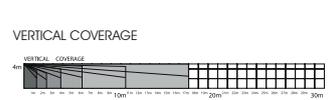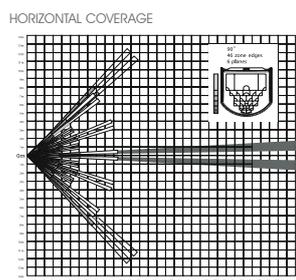
Tamper Proof Brackets

Wall and Ceiling Brackets supplied in high impact strength white ABS plastic. These brackets provide a high resistance to reorientation, with the option of tamper protection while providing access for two 8 core cables.

Compliance

Suitable for use with systems installed to PD6662:2004 and EN50131-1

PD6662
Compliant

CE

Dimensions and Weight

Dimensions: 117 x 69 x 50mm   Weight: 125g (4.4oz) without bracket