

THE KX SERIES

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.



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



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

One family for all your detection needs

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 Dual PIR
Blue Wave Technology Detector

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



KX18DC

Digital Curtain PIR
Blue Wave Technology 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

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

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 Digital PIR and
Microwave Blue Wave Technology Detector

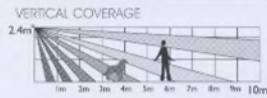
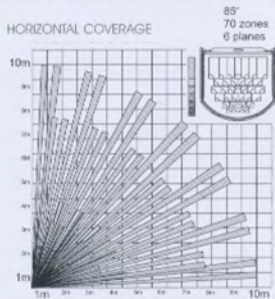
- Supplied with the following lenses:
 - 15 m Volumetric Dual Technology
 - 18 m Vertical Curtain PIR
 - 30 m Long Range PIR
- Unique Patented Anti-Masking Detection
- 0-1 m Adjustable Mask Detection
- Selectable EOL Resistors for Alarm, Tamper, Mask/Fault
- Anti-Block Technology
- Active Self Test
-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



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	EN 50131-2-2 & EN 50131-1 Grade 2	EN 50131-2-2 & EN 50131-1 Grade 2	EN 50131-2-2 & EN 50131-1 Grade 2	EN 50131-2-2 & EN 50131-1 Grade 2	EN 50131-2-4 & EN 50131-1 Grade 2	EN 50131-2-4 & EN 50131-1 Grade 3
Residential	*	*	*	*	*	*
Commercial	*	*	*	*	*	*
Industrial		*	*		*	*

Lenses

Lens 1 - 10m Volumetric



Lens used for:
KX10DP

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.

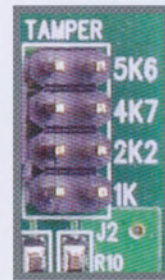
Selectable Alarm Resistor Values

6.8K Ω
5.6K Ω
4.7K Ω
2.2K Ω [†]
1K Ω



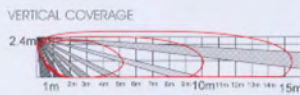
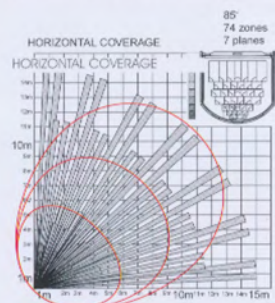
Selectable Tamper Resistor Values

5.6K Ω
4.7K Ω
2.2K Ω
1K Ω



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

Lens 2 - 15m Volumetric



Lens used for:
KX15ED, KX15DQ
KX15DT, KX15DTAM

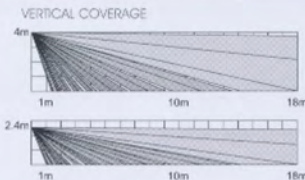
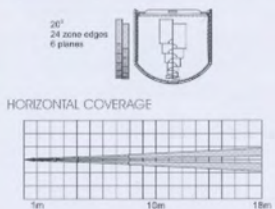
(Red lines show
microwave coverage)

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.

Lens 3 - 18m Solid Vertical Curtain

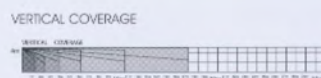
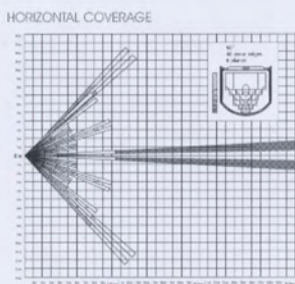


Lens used for:
KX18DC, KX15DTAM

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.

Lens 4 - 30m Long Range



Lens used for:
KX18DC, KX15DTAM

Compliance

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



Dimensions and Weight

Dimensions: 117 x 69 x 50mm

Weight: 125g (4.4oz) without bracket

