

# KX SERIES

The KX Series comprising of 11 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.



One family for all your detection needs

## Dual Technology

### KX15DT

Grade 2

1.5m, digital volumetric combined dual technology PIR and microwave detector

### KX15DTAM

Grade 3

1.5m, digital volumetric combined dual technology PIR and microwave detector with **antimasking**



### KX12DT-WE

Grade 2

1.2m, **two way wireless** volumetric dual technology PIR and microwave detector

## Infrared Detectors

### KX15ED

Grade 2

1.5m, analog volumetric PIR

### KX15DD

Grade 2

1.5m, digital volumetric PIR

### KX15DQ

Grade 2

1.5m, digital volumetric quad PIR

### KX18DC

Grade 2

1.8m, digital dual curtain PIR

### KX10DP

Grade 2

1.0m, digital pet immune PIR



### KX12DQ-WE

Grade 2

1.2m, **two way wireless** volumetric dual quad PIR



### KX10DP-WE

Grade 2

1.0m, **two way wireless** pet immune volumetric PIR



### KX15DC-WE

Grade 2

1.5m, two way wireless dual curtain PIR

#### EN Certifications

#### Wired Detectors

EN50131-2-2:2008  
EN50130-4:1995 + A1:1998 + A2:2003  
Environmental Class II  
Security Class 2

KX15DD  
KX15DQ  
KX18DC  
KX10DP

EN50131-2-4:2008  
EN50130-4:1995 + A1:1998 + A2:2003  
Environmental Class II  
Security Class 2

KX15DT

EN50131-2-4:2008  
EN50130-4:1995 + A1:1998 + A2:2003  
Environmental Class II  
Security Class 3

KX15DTAM

#### EN Certifications

#### Wireless Detectors

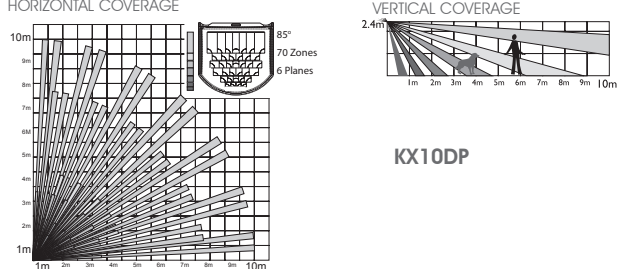
EN 50131-5-3:2005 + A1:2008  
EN 50131-2-2:2008  
EN50130-4:1995 + A1:1998 + A2:2003  
EN61000-6-3:2007  
Environmental Class II  
Security Class 2

KX12DQ-WE  
KX10DP-WE

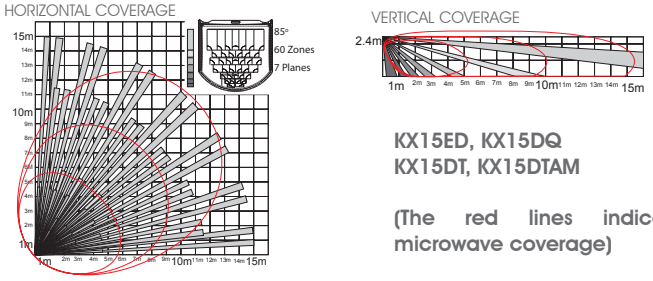
Table of Features	KX15ED	KX15DD	KX15DQ	KX18DC	KX10DP	KX15DT	KX15DTAM
Dual Technology Detector							
PIR Detector	•	•	•	•	•	•	•
3 LED Indication MICROWAVE/PIR/ALARM							
3 Different Bands of Frequency in the Microwave							
Dual Technology Detector with Patented <b>Antimasking</b>							
AND/OR Technology							
15m Volumetric PIR	•	•	•			•	•
18m Vertical Curtain PIR				•			•
30m Long Range PIR				•			•
10m Volumetric Pet Immune PIR					•		
Selectable End of Line Resistors	•	•	•	•	•	•	•
Blue Wave Technology	•	•	•	•	•	•	•
Independant Floating Thresholds	•	•	•	•	•	•	•
Adjustable Sensitivity	•	•	•	•	•	•	•
Automatic Sensitivity Adjustment		•	•	•	•	•	•
Automatic Temperature Compensation	•						
Digital Temperature Compensation		•	•	•	•	•	•
Low Voltage Fault Detection							•
Disable LEDs Remotely		•	•	•	•	•	•
Sealed Optics	•	•	•	•	•	•	•
Tamper Proof Brackets	•	•	•	•	•	•	•
ABS Plastics	•	•	•	•	•	•	•

## Lens coverage diagrams

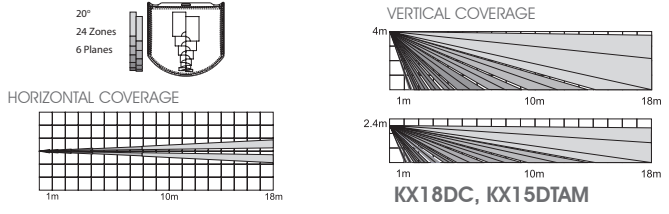
### Lens 1 - 10m Volumetric



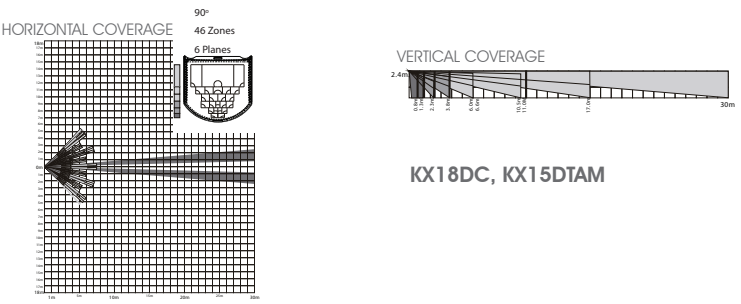
### Lens 2 - 15m Volumetric



### Lens 3 - 18m Vertical Curtain



### Lens 4 - 30m Long Range



## 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	Selectable Tamper Resistor Values	
6.8K $\Omega$	5K6	5.6K $\Omega$
5.6K $\Omega$	4K7	4.7K $\Omega$
4.7K $\Omega$	2K2	2.2K $\Omega$
2.2K $\Omega$ **	1K	1K $\Omega$
1K $\Omega$		

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

### Aspherical Lenses

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.

### Blue Wave Technology (BWT)

BWT makes the detector immune from infrared disturbances present in the environment. BWT is based on 2 key components:

1. The effective dimensional optical system allows for perfect focussing of the infrared signal on the pyro-electric sensor.
2. There is powerful software loaded into the microprocessor that is used to process the information received from the pyro-electric sensor.

### Distributor:

