

A modern living room with a white sofa, a blue armchair, framed botanical art, and woven pendant lights.

# INDOOR PIR DETECTORS

Our range of indoor PIR detectors provide easy-to-install and reliable coverage for any room.

# INDOOR PIR DETECTORS

## GRADE 2

Protecting a living room, kitchen or office? Does the user have pets or does the detector need to adapt to its environment? No problem, Pyronix has the detection solution.



### Variety of detection ranges

Offering 10m to 30m detection ranges to provide the ideal coverage of living rooms, bedrooms, office spaces, corridors and more.



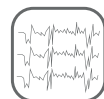
### Flexible coverage patterns

The range delivers a choice of volumetric, curtain and long range coverage patterns, to cater for any installation requirement. This even includes a ceiling mount option, which delivers the ideal solution where traditional detectors could be bypassed, such as areas with desks or racking.



### Professional, uniform finish

3mm polished ABS plastics on all detectors provide a professional and sleek finish to suit both residential and commercial environments, while reducing electrostatic interference on the PIR sensor. All KX detectors feature the same housing to deliver a completely uniform finish in every room, if required.



### Independent Floating Thresholds (IFT)

IFT technology ensures that the alarm thresholds are always kept within predetermined limits, eliminating electrical environmental disturbances.



### Optical 3D system

Allows for better focussing of areas to improve the detection of moving targets and ensure more precise signals can be received from the PIR. The 3D system also allows protection of the area below the detector (creep zone).



### Easy wired installation

Selectable EOL resistors - the wired variants incorporate EOL tamper and alarm resistor values to cater for DEOL wiring for most control panels on the market.



### Two-way wireless technology

The wireless variants employ this award-winning technology to deliver easy installation without compromising on reliability or security, with Signal Strength Indicators (SSI), One-Push-To-Learn, 128-bit encryption, long range signalling, dual antennas and Instant Two-way Device Control (ITDC) features.



### Pet immunity

The range caters for installations where pets could cause false alarms, with animal immunity up to 24kg.



### Blue Wave Technology (BWT)

Advanced signal processing and 3D optics safeguard against false alarms and improve immunity to interference.



### Digital temperature compensation

Digitally adjusts the sensitivity of the detector to maintain its specified range when the background temperature is near to body temperature.



### Automatic sensitivity

The detector self-adapts to changing environmental conditions to maintain stability and intruder catch performance.

# KX DETECTORS



## ENFORCER TWO-WAY WIRELESS PIR DETECTORS

The ideal detection solution for areas where cabling would be unsuitable, the wireless KX range provides easy installation, adapts to its environment and offers pet immune and coverage options.

### KEY FEATURES

- ▶ Two-way wireless technology
- ▶ Blue Wave Technology (BWT)
- ▶ Automatic sensitivity
- ▶ Digital temperature compensation
- ▶ One-push-to-learn button

Compatible with:



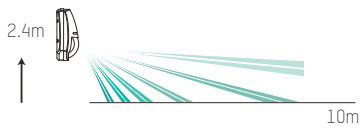
|   | KX10DP-WE                        | KX12DQ-WE  | KX15DC-WE  | KX25LR-WE  |
|---|----------------------------------|------------|------------|------------|
| <b>Lens characteristics</b>                       |                                  |            |            |            |
| Volumetric lens 85° coverage, 7 planes, 60 zones  | ✓                                | ✓          | ✗          | ✗          |
| Pet immunity coverage, 6 planes, 56 zones         | ✓                                | ✗          | ✗          | ✗          |
| Curtain lens, 20° coverage, 6 planes, 46 zones    | ✗                                | ✗          | ✓          | ✗          |
| Long range lens, 20° coverage, 6 planes, 24 zones | ✗                                | ✗          | ✗          | ✓          |
| Maximum range                                     | 10m                              | 12m        | 15m        | 25m        |
| Optimum installation height                       | 1.8-2.4m                         | 1.8-2.4m   | Max 4m     | 1.8-2.4m   |
| Creep-zone protection                             | ✗                                | ✓          | ✓          | ✓          |
| <b>Specification features</b>                     |                                  |            |            |            |
| Animal immunity                                   | <24kg                            | ✗          | ✗          | ✗          |
| Blue Wave Technology (BWT)                        | ✓                                | ✓          | ✓          | ✓          |
| Automatic sensitivity                             | ✓                                | ✓          | ✓          | ✓          |
| Digital temperature compensation                  | ✓                                | ✓          | ✓          | ✓          |
| Front and rear tamper protection included         | ✓                                | ✓          | ✓          | ✓          |
| Signal Strength Indicators (SSI)                  | ✓                                | ✓          | ✓          | ✓          |
| <b>Electrical specifications</b>                  |                                  |            |            |            |
| Transmission frequency                            | 868MHz, FM transceiver           |            |            |            |
| Transmission method                               | 128-bit encrypted radio protocol |            |            |            |
| 3V Lithium battery included                       | 1 x CR123A                       | 1 x CR123A | 1 x CR123A | 1 x CR123A |
| Minimum battery life (years)                      | 2                                | 2          | 2          | 2          |
| <b>Other details</b>                              |                                  |            |            |            |
| Operating temperature                             | -10°C to +40°C                   |            |            |            |
| Weight  | 125g                             |            |            |            |
| Dimensions (W x H x D)                            | 69 x 117 x 50mm                  |            |            |            |
| <b>Certifications</b>                             |                                  |            |            |            |
| EN50131   | Grade 2                          | Grade 2    | Grade 2    | Grade 2    |
| Environmental class                               | II                               | II         | II         | II         |
| SAP Code  | 361300015                        | 361300016  | 361300014  | 361300009  |

For more accessories, please see page 88

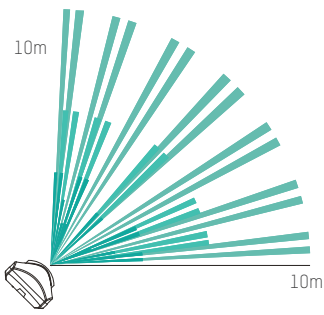
# LENS DIAGRAMS

## KX10DP-WE - volumetric lens

Vertical coverage

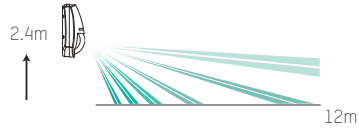


Horizontal coverage

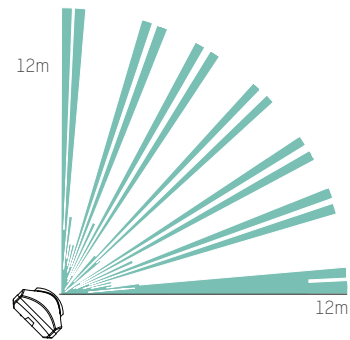


## KX12DQ-WE - volumetric lens

Vertical coverage

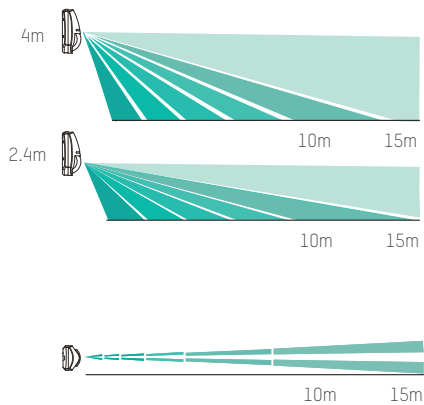


Horizontal coverage



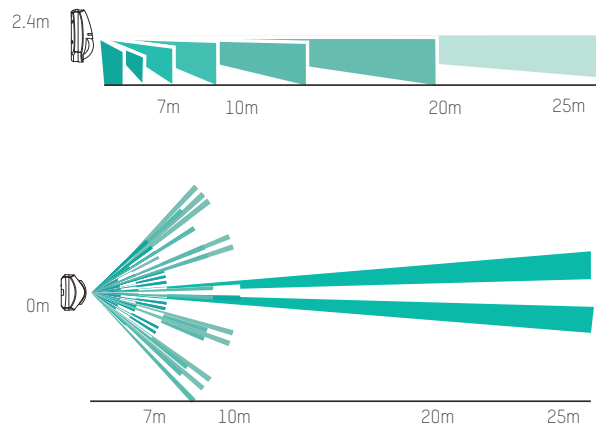
## KX15DC-WE - volumetric lens

Vertical coverage



## KX25LR-WE - long range lens

Vertical coverage



# KX DETECTORS

## WIRED INDOOR PIR DETECTORS

For any indoor installation where cabling isn't an issue, the wired KX range adapts to its environment, offers different coverage patterns, pet immunity options and onboard EOL resistors, to deliver the ideal solution.

### KEY FEATURES

- ▶ From 10m up to 30m range variants
- ▶ Blue Wave Technology (BWT)
- ▶ Automatic sensitivity
- ▶ Digital temperature compensation
- ▶ Onboard EOL resistors



Compatible with:



|   | KX10DP                             | KX15DD    | KX15DQ    | KX18DC            |
|---|------------------------------------|-----------|-----------|-------------------|
| <b>Optical and range features</b>   |                                    |           |           |                   |
| Volumetric coverage: 85°, 7 planes, 60 zones  | ✗                                  | ✓         | ✓         | ✗                 |
| Pet detection: 85°, 6 planes, 56 zones  | ✓                                  | ✗         | ✗         | ✗                 |
| Curtain coverage: 20°, 6 planes, 46 zones   | ✗                                  | ✗         | ✗         | ✓                 |
| Long range coverage: 20°, 6 planes, 24 zones  | ✗                                  | ✗         | ✗         | ✓                 |
| Maximum range   | 10m                                | 15m       | 15m       | 18m / 30m LR      |
| Optimal installation height   | 1.8-2.4m                           | 1.8-2.4m  | 1.8-2.4m  | Max 4m / 1.8-2.4m |
| Creep-zone protection   | ✗                                  | ✓         | ✓         | ✓                 |
| <b>Specification features</b>   |                                    |           |           |                   |
| Animal immune   | <24kg                              | ✗         | ✗         | ✗                 |
| Blue Wave Technology (BWT)  | ✓                                  | ✓         | ✓         | ✓                 |
| Automatic sensitivity   | ✓                                  | ✓         | ✓         | ✓                 |
| Digital temperature compensation  | ✓                                  | ✓         | ✓         | ✓                 |
| Optical quad  | ✗                                  | ✗         | ✓         | ✗                 |
| EOL resistors onboard   | ✓                                  | ✓         | ✓         | ✓                 |
| Tamper protection included  | ✓                                  | ✓         | ✓         | ✓                 |
| <b>Electrical specifications</b>  |                                    |           |           |                   |
| Power supply  | 9-16DC (12DC nominal)              |           |           |                   |
| Current consumption at rest and in alarm  | 11mA, 13mA                         |           |           |                   |
| Outputs relay   | Solid state, 60DC, 50mA protection |           |           |                   |
| Tamper terminal   | 12DC max, 50mA max                 |           |           |                   |
| RFI immunity from continuous wave (CW), modulated wave (AM) and pulse (PM) 80-2700MHz | 10 V/m                             |           |           |                   |
| Alarm relay open time   | 2.5 seconds                        |           |           |                   |
| Detection speed   | 0.3 - 3m/s                         |           |           |                   |
| Direct light filter   | 6500 Lux                           |           |           |                   |
| Optics  | Sealed optics                      |           |           |                   |
| Geometric lens configuration  | 3D                                 |           |           |                   |
| <b>Other details</b>  |                                    |           |           |                   |
| Operating temperature   | -30°C to +50°C                     |           |           |                   |
| Weight  | 125g                               |           |           |                   |
| Dimensions (W x H x D)  | 69 x 117 x 55 mm                   |           |           |                   |
| <b>Certification</b>  |                                    |           |           |                   |
| EN50131   | Grade 2                            | Grade 2   | Grade 2   | Grade 2           |
| Environmental class   | II                                 | II        | II        | II                |
| SAP Code  | 361300082                          | 361300085 | 361300084 | 361300083         |

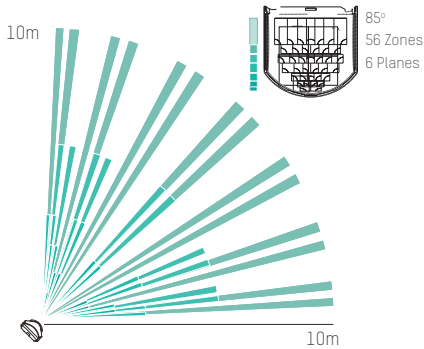
# LENS DIAGRAMS

## KX10DP - volumetric lens

Vertical coverage



Horizontal coverage

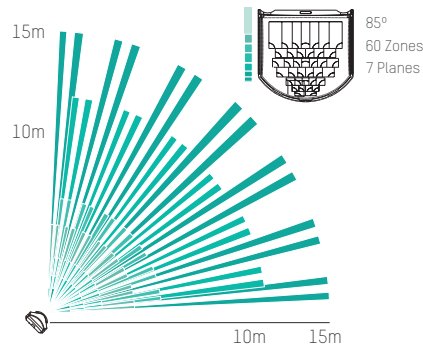


## KX15DQ - volumetric lens

Vertical coverage

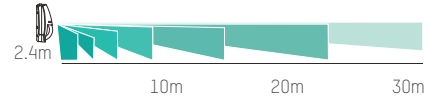


Horizontal coverage

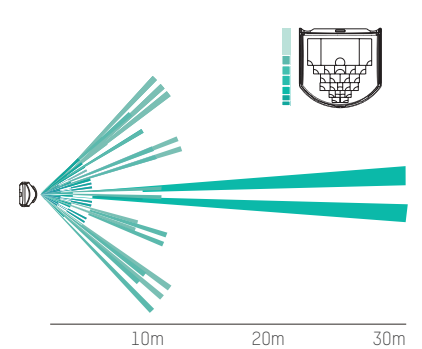


## KX18DC - Long range lens

Vertical coverage

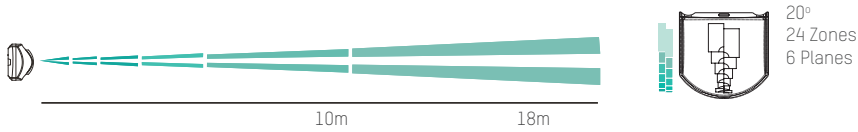


Horizontal coverage



## KX18DC - curtain lens

Vertical coverage



Horizontal coverage

