

# Wireless

## Wireless System



## KX12DW

INDUSTRIAL / COMMERCIAL / RESIDENTIAL

Digital Wireless PIR

Wireless  
Systems

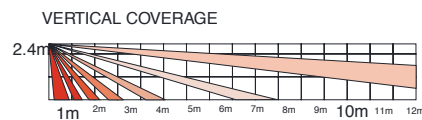
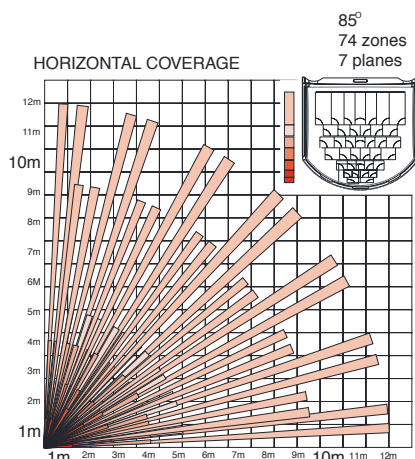
### Main Features

- 868MHz Transceiver FM narrow band technology
- Fully encrypted rolling code
- Blue Wave Technology
- 12m Volumetric coverage
- 300m Free space range
- Up to 5 years battery life
- Automatic temperature compensation
- Adjustable sensitivity settings
- Triple LED indication

### Product Features

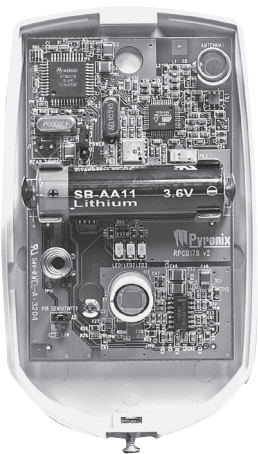
Features	Description	Benefits
868MHz Transceiver narrow band transmitting frequency	Operates in 868 MHz with only a 25KHz band range	Less susceptible to interference and enables a greater range
Transceiver Technology	2 Way communication ensuring all messages are received	Low battery consumption No lost messages or activations with the ability to receive arming confirmation on the key fob
Fully encrypted rolling code	All system messages are fully encrypted	Prevents hacking. Stops substitution and grabbing
Automatic Temperature Compensation	When the product is used in a hot environment this technology automatically adjusts the detector's sensitivity allowing it to maintain its range even when the background room temperature is almost equal to the external body temperature of 32°C (Internal body Temperature = 37°C)	Guarantees optimum performance at all times
Adjustable sensitivity settings	High sensitivity for use in areas where fast detection is required Adjustable sensitivity settings for installations in a more hostile environment	Ensures suitability for most environments
Triple LED indication	Signal strength indication, battery capacity and alarm activation Green - good, Red - poor, Blue - alarm	Ease of installation and maintenance
SAW Filter implementation	Filters out redundant frequencies	Only the correct information is recognised

### Lens Coverage

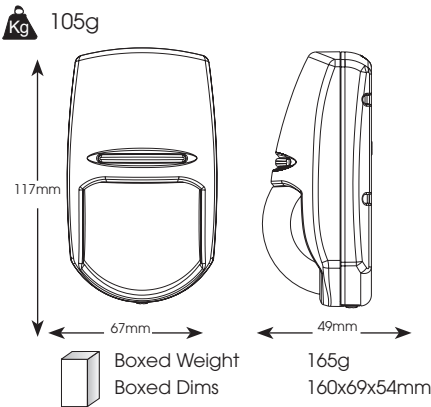


Technical Specification

ELECTRICAL	
Operating Voltage	3.6V DC (3.6V nominal)
Current Consumption - Idle	20µA (3.6V)
Current Consumption - Communicationg	80mA (3.6V)
Battery Type	3.6V 2.7h Lithium
RIF Immunity to Continuous Wave (CW) 80-2000MHz	75V/m
RIF Immunity to Amplitude/Pulse Modulation (AM/PM) 80-2000MHz	25V/m
OPERATING FEATURES	
Detection Speed	0.3-3m/s
Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +80°C
OPTICAL	
White Light Filter	6500 LUX
Optics	Sealed
Lens	3 Dimensional
Protection	Ultraviolet light filter
MOUNTING	
Optimum Coverage Height	1.8 - 2.4m



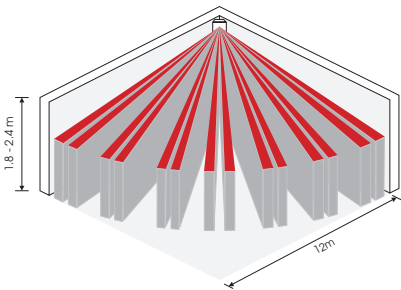
Weights & Dimensions



Applications

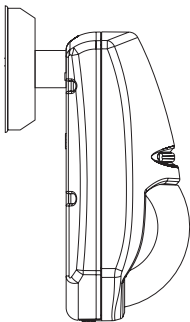
Features	Applications
Signal Strength Indication	The on-board LEDs clearly indicate the signal strength and enable simple installation of this hybrid wireless system. This means that prior to installation, the optimum locations can be identified for the KX12DW detectors and the MX-RIX8DW to be mounted.

Volumetric

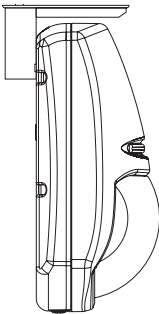


Brackets

Wall Bracket



Ceiling Bracket



COMPLIANCE	
Europe	CE

PYRONIX PRODUCT CODE
FPKX12DW

PACKING INFORMATION	
Warranty:	5 Years
Manufactured:	UK