

# WPIR & WPIR-CRT

12m Wireless Motion Detectors



## Overview:

Vanderbilt's WPIR and WPIR-CRT seamlessly blend style and security resulting in a class leading product. These devices have a detection range of 12 meters and can be configured for use in any environment, establishing the highest security protection. The devices are easy to mount, easy to pair, and easy to configure, ensuring installation time is minimized. In addition, both devices use enhanced, low current RF technology that provides superior communication and ensures long battery life.



## Class leading security protection:

	12m detection coverage
	Adjustable settings for installation in any environment
	EN Grade 2 approved
	PET immunity up to 25kg (WPIR)



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## Superior RF and battery performance:



### Long battery life

With high performance Lithium batteries and APS (Automatic Power Save) technology the WPIR and WPIR-CRT detectors have a battery life of 5 years.



### Long RF range

500m open air range means that a single transceiver can cover the majority of installations.

## Quick installation and configuration:



### Easy to mount

The WPIR device supports both corner and flat mounting with full tamper support. The WPIR-CRT device can also be mounted using a bracket for optimum placement or using high performance adhesive for quick installation.



### Easy to pair

Smart Pairing mechanism allows the device to pair with the SPC transceiver in seconds.

Key features include:

- ✓ Automatic pairing on battery insertion
- ✓ LED guided Enrolment
- ✓ LED guided Walktest



### Easy to configure

The WPIR and WPIR-CRT devices are entirely firmware configurable 'over-the-air' and contain no mechanical dip switches.

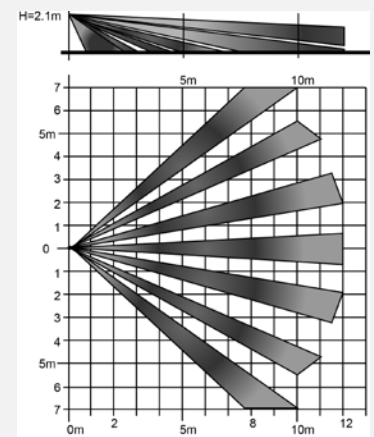
Configurable features include:

- ✓ Sensitivity
- ✓ PET Immunity
- ✓ Supervision time
- ✓ LED behaviour

## Detection Capabilities:

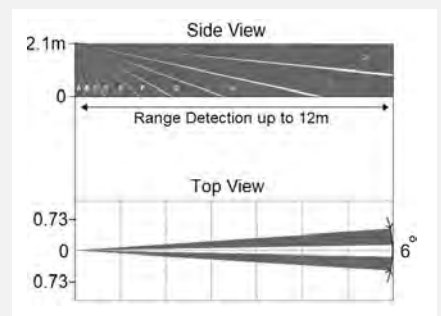
### WPIR:

- Quad Element PIR
- 90° viewing angle



### WPIR-CRT:


- Pyro Element with Mirror Optics
- 6° viewing angle









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## Transmission:

	Frequency Band	868-869MHz
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## Battery / Power:

	Battery Type	Lithium 3V battery type CR123 / Size 2/3AA
	Battery Life	5 years
	Range in open space	> 500 m
	Current Draw	Standby ~11 $\mu$ A Receive mode ~24 mA Transmit mode ~45 mA
	Transmit power	~ 14dBm
	Automatic Power Saving (APS)	Yes

## Intrusion Detection Properties:


	Detection coverage	12m
	Supervision Time	7 min by default (programmable between 1 to 30 min)
	Event Transmission	Alarm, Tamper, Supervision, Low Battery
	PET Immunity	25Kg (WPIR only)



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## Mounting specifications:

	Operating Temperature	-10°C to +50°C
	Optimal installation height	1.8m to 2.4m
	Dimensions	108mm x 58mm x 42.5mm
	Weight (Inc. battery)	135 gr
	LED Indications	Red LED: PIR Activated Green LED: Walktest

## Ordering Information:

Type	Art. No	Description
WPIR	V54538-F109-A100	Wireless 12m PIR detector PET
WPIR-CRT	V54538-F110-A100	Wireless curtain PIR detector



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