

# PYR-3011

## Wireless Ceiling PIR Motion Detector



ROSSLARE'S PYR-3011 IS ONE OF A POWERFUL LINE OF HIGH PERFORMANCE INDOOR PASSIVE INFRARED (PIR) MOTION DETECTORS, IDEAL FOR RESIDENTIAL, COMMERCIAL AND INSTITUTIONAL APPLICATIONS WHERE WALL MOUNTS ARE DIFFICULT OR IMPOSSIBLE. THIS EXTRA-WIDE ADVANCED WIRELESS PIR PACKS FEATURES SUCH AS STATE-OF-THE-ART HIGH DENSITY SPHERICAL FRESNEL LENS OPTICS WITH WHITE LIGHT PROTECTION, WALK AND RF TRANSMISSION TEST FUNCTIONS, MOVEMENT AND SPEED SPECTRUM ANALYSIS, ULTRA-BRIGHT LED, COVER AND CEILING TAMPER DETECTION, AND AUTO POWER SAVE (APS) TECHNOLOGY.

### GENERAL DESCRIPTION

Rosslare's PYR-3011's extra-wide ceiling PIR is designed for easy, wireless installation. By using fuzzy logic algorithms, detection is improved and false alarms are greatly reduced.

The heart of the PYR-3011 is a high quality pyro-electric infrared energy sensor, an advanced ultra-low power microcontroller, an A to D signal analyzer with temperature compensation, and an integral RF transmitter with low profile internal antenna.

The PYR-3011's many features include a fully sealed sensor chamber for increased reliability, easy-to-operate LED walk and RF transmission test, dynamic and static transmission modes, selectable sensitivity level, cover and ceiling tamper detection, and automatic low battery detection.

The PYR-3011 uses a 3V 1300mAh high power battery and is compatible with Rosslare Security products from related H-Series (868.35 Mhz) and G-Series (433 .92Mhz).

### MAIN FEATURES

- 360° 7m diameter coverage at 2.4 m height

- Analog and digital motion analysis with internal ambient temperature compensation
- High sensitivity dual-element pyro-sensor, from world-leading manufacturers
- Visible easy-to-operate walk and RF test
- Screw free cover and snap-in mount for easy installation and cover removal
- Low battery indication
- Energy saving function
- Clear high bright LED indication
- Attractive design, with a professional look and feel

### PROFESSIONAL GRADE FEATURES

- Selectable three sensitivity levels to meet the needs of any environment
- Advanced spherical high performance lens for full area monitoring
- Draft and insect immune with a sealed chamber for optical components
- Front and back tamper for increased security

# SPECIFICATIONS

## OPTICAL SPECIFICATIONS

■ Lens type	360° full vision Fresnel lens
■ Coverage	7 m (23 ft.) diameter at 2.4 m height
■ Optical filter	White light protection
■ Field of view	360°
■ Mounting height	Between 1.82 m to 4.88 m (6 to 16 ft)

## ELECTRICAL SPECIFICATIONS

■ Battery	CR123A
■ Battery voltage and capacity	3v, lithium 1300mAh high power battery
■ Input current	Standby 15 µA; maximum 10 mA
■ Battery life expectancy	Three years (typical usage)
■ Alert signal	Red LED on for two seconds during motion detection
■ Detector	Quad-matrix pyro IR element (IR filter 5um ÷ 14um)
■ Sensitivity	Three levels fuzzy logic (jumper setting)
■ Tamper detection	Back and front cover tampers
■ Supervisory signals	Supervision, low battery, tamper, and alarm

## RF TRANSMISSION SPECIFICATIONS

■ Frequency	H model: 868.35 MHz; G model: 433.92 MHz
■ Range	180 m (590 ft.) open field
■ Supervision transmission	20 minute interval automatic supervision transmission including low battery transmit and indication

## ENVIRONMENTAL SPECIFICATIONS

■ Operating environment	Indoor use
■ Operating temperature	-10°C to 50°C (14°F to 122°F)
■ Operating humidity	0% to 95% (non-condensing)
■ RFI protection	> 20 V/m up to 1000 MHz

## PHYSICAL SPECIFICATIONS

■ Dimensions (DxH)	70.7 x 30.85 mm (2.783 x 1.215 in.)
■ Weight	106 g (3.7 oz)

## SYSTEM COMPONENTS

The PYR-3011 is compatible with Rosslare's wireless control panels and accessories, including: HomeLogiX™, safety sensors, sirens, and remote controls.

## PRODUCT WARRANTY

2-year limited product warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

Visit our website: [www.rosslaresecurity.com](http://www.rosslaresecurity.com)

HomeLogiX™ is a trademark of Rosslare Enterprises Ltd.

