

## Wireless PowerG Dual Technology (PIR & MW) Motion Detector

# PG9984P



### Features That Make a Difference:

- **PowerG\*** robust industry leading commercial grade wireless technology
- Dual PIR and K-band microwave technologies dramatically reduce false alarms and decrease associated operational costs
- Vandal-resistant design through patented V-Slot technology
- Extended detection area 15m / 90° coverage range
- Pet immunity up to 40 lbs. (18 Kg)
- Compatible with PowerSeries Neo Systems

### The power of PowerG\*:

The power behind PowerSeries Neo lies in various innovative technologies, including the revolutionary PowerG, which, bundled together, provide a robust and feature-rich platform designed to reduce operational costs for dealers and provide ultimate reliability for end users.

- Multichannel, Frequency Hopping Spread Spectrum technology - to overcome frequency blocking and interference
- Adaptive Transmission Power - for battery life preservation
- High transmission ranges - for reliable communication within up to 2km/2187 yards line-of-sight
- TDMA synchronized communication technology - to prevent message collisions
- 128 bit AES encryption - high level protection against analysis tools and digital attacks



### PG9984P Wireless PowerG Dual Technology Motion Detector

The PG9984P Wireless PowerG Dual Technology Motion detector combines advanced PIR detection algorithms with K-band microwave detection to dramatically reduce false alarm events even in harsh installations. The PG9984P sends an alarm signal after both the PIR and the microwave sensors have detected an intruder, significantly reducing false alarms.

### Advanced Detection Technologies

The PG9984P uses a combination of elliptical parabolic mirror optics. An innovative mirror with extremely high optical gain delivers an extended range and provides superior detection sensitivity.

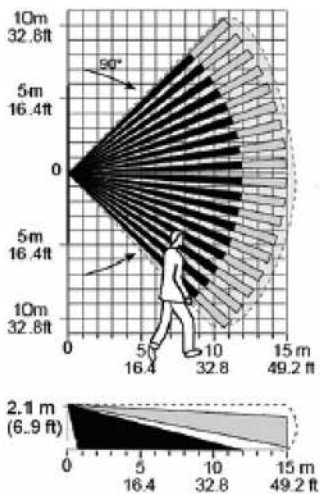
The PG9984P also applies a digital temperature compensation that allows the detector to continuously adjust its sensitivity according to the location temperature. In this way, the PG9984P is able to detect an intruder even when the ambient temperature is close to that one of the human body.

Finally, the PG9984P uses an obsidian black mirror technology. A unique, nickel-based, obsidian-like, reflective surface acts as a selective optical filter of infrared energy. In this way, the PG9984P can virtually eliminate white light interference and increase detection sensitivity.

## Easy to Install | Link Quality Indication

The PG9984P is equipped with a visible link quality LED indicator that lets the installer choose the optimal location for installation, eliminating the effort of going back and forth to the keypad. Additionally, device configuration is quick and easy with no hardware switches or need to re-open the device. All device configuration settings are handled via the system keypad.

## Coverage Pattern



## Specifications:

Dimensions:..... 115 x 60 x 48mm (4.5 x 2.3 x 1.1in)  
Battery Life: .....5 years (typical use)  
Battery Type: .....3V CR123A Lithium Battery  
Weight: .....90g (3oz)  
Operating Temperature: 14°F to 131°F (-10°C to +55°C)

## Approvals:

FCC/IC, UL/ULC

## Compatibility:

PowerSeries Neo Systems

## PowerSeries Neo is Security Redefined

PowerSeries Neo by DSC redefines intrusion security by combining the flexibility of a modular, hardwired system with the simplicity of a wide range of wireless devices and peripherals, resulting in the most comprehensive hybrid system available in the market today.

This brand new and exceptionally flexible platform leverages the superior capabilities of PowerG – the industry’s leading-edge wireless intrusion technology. Innovative alarm verification solutions, together with an exceptionally comprehensive remote service software suite, make PowerSeries Neo the ideal first-class solution for residential and scalable commercial installations.