

## Wireless PowerG Outdoor PIR Motion Detector with Integrated Camera

### PG9944

#### Features That Make a Difference:

- Patented 8 independent quad PIR detectors (Octa-QUAD) operating in true Quad configuration (patented) with true motion recognition (TMR) processing for each of the 8 PIR detectors
- Advanced Obsidian Black Mirror™ optics (patent pending)
- Smart anti-masking distinguishes between masking spray and rain
- Pet immunity up to 18kg (40lb)
- Compatibility 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



#### PG9944 Wireless PowerG Outdoor PIR Motion Detector with Integrated Camera

The PG9944 is an innovative 2-way wireless outdoor PIR motion detector that comprehensively addresses property owners' security needs for accurate intruder detection with minimum false alarms. The PG9944 features several innovative technologies to overcome demanding outdoor challenges such as rain, direct sunlight, animals, changes of light levels and more. The revolutionary Octa-Quad™ technology, which uses eight PIR sensors, each acting as a Quad detector, enables the PG9944 to accurately and reliably determine whether an alarm is justified. Activated upon PIR detection or upon demand, the PG9944 can also send clear images to the Monitoring Station for alarm image verification.

#### Advanced Detection Technologies

The PG9944 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 PG9944 also applies an advanced motion analysis. A central motion processor analyzes the motion signals detected in each of the individual detectors, taking into account the time, amplitude, background temperature, speed of motion, size of target, and the direction of motion. Then, it compares the signals in relation to adjacent detectors and calculates whether a real alarm is justified based on true motion detected consecutively by the array of individual detectors.

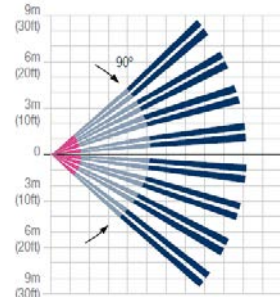
Finally, the PG9944 uses an obsidian black mirror technology. A unique, nickel-based, obsidian-like, reflective surface acts as a selective optical filter of infrared energy. In this way, the PG9944 can virtually eliminate white light interference and increase detection sensitivity.

## Easy to Install | Link Quality Indication

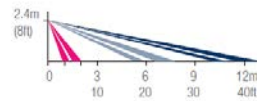
The PG9944 is equipped with a visible link quality LED indicator that lets the installer choose the optimal location for installation, eliminating the effort of going back and forth to the keypad. Additionally, device configuration is quick and easy with no hardware switches or need to re-open the device. All device configuration settings are handled via the system keypad.

## Coverage Pattern

Top view



Side view



## Specifications:

Dimensions:..... 166 x 147 x 124 mm  
(6-9/16 x 5-13/16 x 4-7/8")  
Battery Life: ..... 3 years (typical use)  
Battery Type: ..... 2 x 3V CR17450 Lithium Batteries  
Weight: ..... 700 g (25 oz)  
Operating Temperature: .. -40°C to 70°C (-40°F to 158°F)  
maximum number of PIRCAMS:..... 10  
(PG9934P and/or PG9944)

## Approvals:

FCC/IC, UL/ULC

Please refer to [www.dsc.com](http://www.dsc.com) for the most current approval listings.

## 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.