

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



## Key Features

- Dual PIR and K-band microwave technologies dramatically reduce false alarms and decrease associated operational costs
- Extended detection area 15m (50ft) and 90° coverage range
- Vandal-resistant design through patented V-Slot technology
- Pet immunity up to 18 kg (40 lb)
- Built-in leading-edge PowerG wireless technology
- Fast installations using link quality LED indicators and pull-tab auto enrollment
- The anti-masking feature prevents intruders from defeating the detector by covering its field of view.\*

## Advanced technology. Reduced false alarms. Highly robust motion detector specifically suited for commercial business sites.

Fully secure businesses of all sizes with the PowerG Dual Technology Motion Detector that combines advanced PIR detection algorithms with K-band microwave detection to dramatically reduce false alarm events even in harsh installations. The detector sends an alarm signal after both the PIR and the microwave sensors have detected an intruder, significantly reducing false alarms. Uniquely designed to continuously adjust its sensitivity according to the location temperature, the dual technology motion detector is able to detect an intruder even when the ambient temperature is close to that one of the human body.

### Based on built-in PowerG leading-edge wireless technology

Cut out the wires and plug in peace of mind with PowerG, the leading wireless security technology for today's homes and businesses. PowerG offers all the benefits of traditional wired security, without the hassles of wires. It makes consumers' lives more secure and convenient, and is ideal for a wide range of applications.

## Specifications

Frequency	NA: 915MHz, LATAM: 915MHz, 433MHz, EMEA: 868MHz, 433MHz, APAC: 433MHz
Size (diameter)	115 x 60 x 48mm (4.5 x 2.3 x 1.1in)
Weight (including battery)	90g (3oz)
Battery type	3V CR-123A lithium battery
Battery life	5 years (with typical use)
Operating temperature	-10°C to 55°C (14°F to 131°F)
Operating environment	Indoors
Mounting Height	1.8m -3m (6ft -10ft)

### PowerG – The power of wires, without the wires.

- Military-grade 128-bit AES encryption protects against powerful analysis tools and digital attacks
- Full two-way synchronized TDMA synchronized communication technology – to prevent message collisions
- Multi-channel, Frequency Hopping Spread Spectrum technology repeatedly switches frequencies to minimize interference of radio signals and prevent interception and obstruction during transmission
- Devices dynamically optimize their route to the control panel to avoid RF interference and to extend battery life up to 8 years\*\*, and reducing the cost of system maintenance
- High transmission ranges allow for devices to reliably communicate within up to 2km/1.24 miles line-of sight, therefore reducing the cost of installing additional repeaters to service larger premises
- Simplified installation using a visible link quality LED indicator on the devices, allowing device testing at selected location, without having to return to the panel
- Quick, error-free enrollment with built-in auto enrollment process by simply using a pull tab
- Advanced, time-saving toolset: on-site and remote diagnostics, remote real-time testing, support for advanced applications & mobile control to dramatically reduce maintenance costs

\*\*Battery life depends on device, device placement and system use

## Approvals

- FCC/IC
- UL
- EN grade 2
- System 5

## Compatibility

- PGX984P – PowerSeries Pro, PowerSeries Neo, iotega systems & Qolsys panel.  
For further information please refer to [www.dsc.com](http://www.dsc.com) and [www.qolsys.com](http://www.qolsys.com)
- Tower-32 – PowerMaster systems all versions.  
For further information please refer to [www.visonic.com](http://www.visonic.com)

\* Anti-masking feature is supported by PowerSeries Pro & PowerMaster panels

---

## About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please visit [www.johnsoncontrols.com](http://www.johnsoncontrols.com) or follow us [@johnsoncontrols](https://twitter.com/johnsoncontrols) on Twitter.