

# PowerG Wired to Wireless Upgrade & Expansion Module



Use the Tyco | PowerG Wired to Wireless Upgrade & Expansion Module to upgrade and enhance old security systems. Quick. Easy. Secure.

## Key Features

- Industry-leading PowerG wireless technology
- Connect siren, strobe and 4 PGMs for a full range of applications
- Enhanced security is enabled by the double end-of-line programming, tamper protection (including back tamper) and the integrated power supply supervision
- Lead acid backup is safely stored inside the plastic cabinet
- Use your favorite hardwired device from any hardwired portfolio and incorporate it into the PowerG ecosystem

The Tyco | PowerG Wired to Wireless converter leverages industry-leading PowerG wireless technology capabilities, featuring superior encryption and long range.

- 8 wired inputs enable to connect to 8 hardwired zones
  - Normally Open / Normally Closed, Single End of Line and Double End of Line configuration
  - 250ms loop response
- Support for:
  - Up to 18 conventional 2-wire smoke detectors
  - 4-wire smoke detectors
  - CO detectors
- Siren output (Supervised) 12V @ 700mA
- 4 programmable PGM outputs
- PGM support for ON/OFF functionality
- Enhanced tamper protection with front and back cover tamper switches
- AC to DC power adapter output of 18VDC
- 2 Auxiliary independent power loops (500mA total)
- 24h battery backup (sold separately) located inside the device enclosure
- Enhanced security with the integrated power supply supervision

## Specifications

Model #	PG9WLSHW8
Frequency	912-919 MHz
Size	225mm x 250mm x 80mm
Weight (including battery)	2.85 kg / 6.28 lbs
Battery type	12V / 7Ah sealed, rechargeable lead acid (not included) 24 hour standby time and 5 minute alarm time for residential fire applications
Operating temperature	-10C - 55C / 14F - 131F
Operating environment	Indoors

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

- UL
- FCC
- ULC
- IC

## Compatibility

- Qolsys IQ Panel 2+

For further information please refer to [www.dsc.com](http://www.dsc.com) and [www.qolsys.com](http://www.qolsys.com)

## 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.