



iotega EN Grade 2

WS912-28



Secure

Based on built-in [PowerG](#) technology, iotega is a fully encrypted panel that takes smart homes and businesses to a new level of security, while reducing operational costs for dealers. It provides superior reliability with end-to-end 128-bit AES encryption and includes multiple advanced security features, such as a proximity sensor, built-in siren and 99 user codes.

PowerG – The power of wires, without the wires

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 and vulnerabilities of wires. It makes end-users' lives more secure and convenient, and your work more profitable. Ultra-reliable, two-way 128-bit AES encrypted communication and iron-clad protection that blocks interference deliver unparalleled cyber protection – ensuring reliable performance with minimum false alarms. Long-range wireless transmission enables easy and quick wire-free and repeater-free installations, and adaptive transmission stretches time between battery changes.

iotega is the next generation, all-in-one smart security and home automation platform for residential and small commercial properties. It provides your customers with the security they already know and trust, along with the freedom to add smart home devices, according to their preferences.

With iotega, you can generate revenue by providing your customers with the flexibility to start with a security-only package, and the scalability to upgrade to a full security and home automation solution. Customers get the peace-of-mind of easily monitoring their home or business remotely, regardless of how tech-savvy they are. Plus, you'll save time and money, with installations made simple using the latest innovations in wireless networking technology.

EN Grade 2 certification is the maximum grading that any wireless intruder alarm can achieve. Powered by SecureNet, the iotega EN Grade 2 will be available in DSC & Visonic offerings. Additionally, all of the iotega EN Grade2 panels contain the Apple MFi chip which will enable iotega to work within the Apple HomeKit ecosystem.

iotega is compatible with SecureNet for best-in-class home control and monitoring services, and it supports users' favorite connected home devices, including standard lights, thermostats, power sockets, door locks, and more. Users can choose the level of engagement and control they desire, ranging from local notifications and keypad activation, to full remote control via cloud-based intelligence and mobile apps.

To meet customers' needs for flexible communication methods, iotega offers multiple back-up communication paths that ensure high-speed, reliable and secure alarm communications, with a changeable cell communicator*.

Simple

iotega is quickly installed and configured via a step-by-step installer-friendly portal. Configuration of devices, system diagnostics, and upgrades can all be handled remotely, reducing truck rolls and enabling cost-effective, yet responsive customer service. With an easy-to-use capacitive touch keypad, and a user replaceable battery, ongoing end-user support and maintenance is minimized.

As an intelligent full-premises management solution, iotega enables end-users to lock doors, adjust temperature at the property, switch on/off lights and power sockets, and more. All actions can be implemented according to user-set triggers and schedules or on-demand, with traditional simple activation or via mobile cloud access and control.

Scalable

With the demand for all-in-one smart home and business automation growing, end-users need a solution that meets their needs. As a modular solution, iotega easily scales to accommodate the full range of home and business lifestyle demands; allowing customers to start with the basics of security only and evolve to full-premises automation with many popular security and home automation devices supported.

iotega supports multiple wired and wireless communication protocols, including Ethernet, WiFi, Z-Wave, and cellular (3G), providing end-users with flexible options for their home automation network.

Specifications

Dimensions (W X H X D)	6.80 x 6.50 x 1.77 in 172.7 x 165.1 x 45.0 mm
Internal Sounder	85dB at 3 ft
Sounder Cadences	Steady, Pulsed, Temporal, Flood, CO (Carbon Monoxide)
Memory Type	Embedded flash memory for programming and data retention
AC Adapter	Wall plug-in with barrel jack connector Primary: 90 VAC – 264 VAC, 0.35A Secondary: Regulated 12V DC, 1.16A, 47 – 63 Hz
Backup Battery	7.4V (24 hours) Lithium
PowerG Frequency	868 MHz
Current Draw	Average 200 mA at 12V DC (while not charging backup battery)
Temperature Range	-10°C to 55°C
Relative Humidity	5% to 93% RH non-condensing

Key Features

- Wall mountable
- Multiple security and home automation devices supported
- **PowerG** – Fully encrypted and reliable wireless security system
 - End to End 128-Bit AES Encryption
- 99 user codes available – including Master Code
- 4 partitions
- Compatible with SecureNet
 - Remote control and management of panel, devices and peripherals
 - Remote diagnostic and firmware upgrades
- Local firmware update App
- Multiple pathways of communication:
 - Ethernet, WiFi, cellular (3G) upgrade available*
 - Dual path communication
- Z-Wave Plus – 500 series
- Smooth-touch keypad for main security functions:
 - Arm/disarm the system
 - View system status
 - Activate Fire, Medical, Panic keys
- Capacitive touch keypad illuminates when it detects nearby user
- WiFi 802.11b/g/n, 2.4Ghz
 - Client mode
 - Access point (private network)
- Built-in siren activates upon event trigger
- Adjustable buzzer
- End-user accessible SIM card slot
- End-user replaceable battery
- Compact and sleek design

*Applicable models only

Approvals

CE, EN Grade 2

Note: Please refer to www.dsc.com for the most current approval listings.

Compatibility

PowerG Technology

Intrusion Sensors:

- PIR Motion Detector with Camera PG8934/PG8934P
- PIR Motion Detector PG8914
- Curtain PIR Motion Detector PG8924
- Door/Window Contact PG8975
- Door/Window Contact with Auxiliary Input PG8945
- Mirror Optic PIR Motion Detector PG8974/PG8974P
- Dual Technology (PIR & MW) Motion Detector PG8984/PG8984P
- Outdoor PIR Motion Detector PG8994
- Shock Detector PG8935
- Glass Break Detector PG8912/PG8922
- Outdoor PIR Motion Detector with Integrated Camera PG8944

Safety Sensors:

- Smoke Detector PG8926
- Smoke and Heat Detector PG8936
- Carbon Monoxide Detector PG8933
- Temperature Detector PG8905
- Flood Detector PG8985

Keypads, Arming Devices & Panic Buttons:

- 1-Button Security Panic Keyfob PG8938
- 2-Button Security Panic Keyfob PG8949
- 4-Button Security Panic Keyfob PG8929/PG8939
- Arming Station (wire-free) WS9LCDWF8
- WiFi Touchscreen Keypad WS9TCHW

Sirens & Repeaters:

- Indoor Siren PG8901
- Outdoor Siren PG8911
- Repeater PG8920

The iotega is compatible with selected SecureNet home automation devices.

www.johnsoncontrols.com

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