

tyco | PowerG

PowerG Wireless Technology

The power of wires, without the wires



Robust



Secure



Solutions



Green

TECHNOLOGY HIGHLIGHTS

Two-way communication and 128-bit AES encryption protect against sniffing and replay attacks

Multi-channel, Frequency-Hopping Spread Spectrum (FHSS) technology that overcomes jamming and interference

Devices can dynamically optimize their route to the control panel to avoid RF interference

TDMA synchronized communication technology eliminates message collisions

Sophisticated visual verification solutions to reduce false alarms

Remote configurations of devices and peripherals saves time and money during installation & service

LED indicator enables the optimal location for installation, without having to go back and forth to the keypad

Convenient battery pull tab makes installation easy and fast

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

Why choose PowerG?

Simply put, PowerG is the leading wireless security technology for today's homes and businesses. All the power of wires, without the hassle and clutter. Easy to install and simple to use, but more secure and more convenient than traditional wired security systems. PowerG provides true freedom.

Built on an ultra-reliable two-way 128-bit AES encrypted communication platform, PowerG blocks interference while providing dynamic cyber protection. Long-range wireless transmission is seamless and installations now are not only wire-free, but also worry-free. Multiple repeaters are now a thing of the past, and battery life is optimized using PowerG's adaptive transmission power technology. And all PowerG devices are UL and ULC certified to meet stringent, nationally-recognized safety standards.

All in all choosing PowerG not only makes sense but saves expense as well.

See for yourself. Cut the wires and enjoy the freedom and confidence of PowerG.

The **ABCs** of PowerG

The leading wireless security technology for today's homes and businesses.

A

LONG RANGE



Devices communicate up to 2km/1.24 miles line-of-sight, which is 4X the distance of traditional wireless.



Adaptive transmission technology which automatically sets transmission power to the minimum.



As a result, battery life is maximized and service costs are reduced.

B

SPEED OF INSTALLATION



PowerG is the power of wires, without the wires. More secure. More convenient. More profitable.



NO DRILLS



NO WIRES



NO MESS

Just the simplicity and speed of wireless security installation.

C

ENCRYPTION



Two-way 128-bit AES advanced encryption to protect you from devious intruders and hackers.

Reduce lost alarm messages. Reduce false alarms.



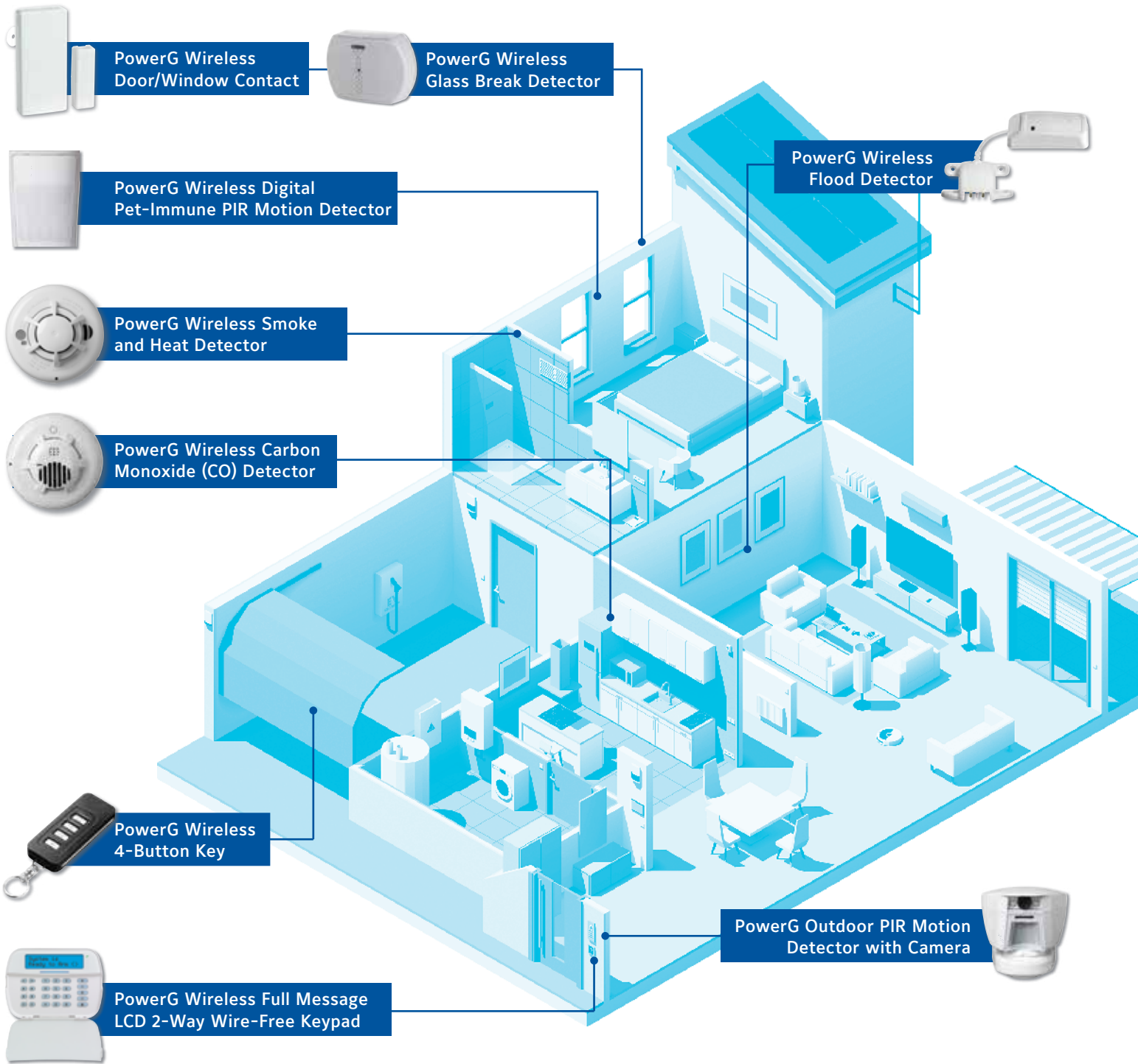
Frequency Hopping Spread Spectrum (FHSS) & Time Division Multiplexed Access (TDMA)

ensure the dependability and security of communications.

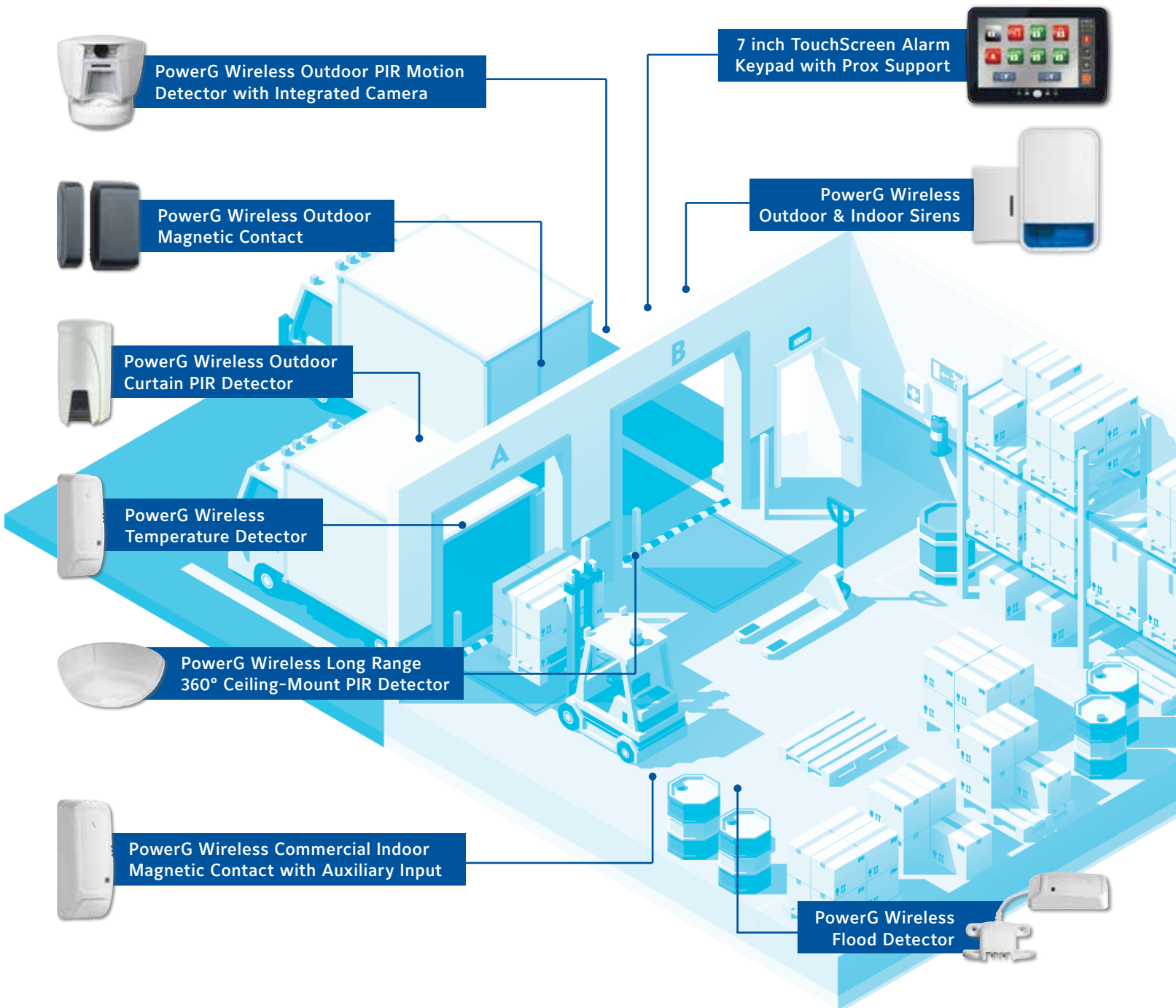
Cut the wires and plug in peace of mind with

PowerG

RESIDENTIAL SOLUTIONS



COMMERCIAL SOLUTIONS



DNA CHART

Intrusion Detectors



PowerG Wireless Door/Window Contact in White or Brown (PGx303)



PowerG Wireless Door/Window Contact with Auxiliary Input, in White or Brown (PGx945)



PowerG Wireless Commercial Magnetic Contact with Auxiliary Input (PGx309)



PowerG Wireless Recessed Contact (PGx307TR)



PowerG Wireless Shock Detector (PGx935)



PowerG Wireless Glass Break Detector (PGx922)



PowerG Wireless 360° Ceiling-mount PIR Detector (PGx862)



PowerG Wireless 360° Long Range Ceiling-mount PIR Detector (PGx872)



PowerG Wireless Digital Pet-Immune PIR Motion Detector (PGx914)



PowerG Wireless Curtain PIR Motion Detector (PGx924)



PowerG Wireless Mirror Optic PIR Motion Detector (PGx974P)



PowerG Wireless Dual Technology (PIR & MW) Motion Detector (PGx984P)



PowerG Wireless Outdoor Magnetic Contact with Auxiliary Input (PGx312)



PowerG Wireless Advanced Outdoor Curtain PIR Detector (PGx902)



PowerG Wireless Outdoor PIR Motion Detector with Integrated Camera (PGx944)



PowerG Wireless Outdoor PIR Motion Detector (PGx994)

Keypads



PowerG Wireless Full Message LCD Keypad with Built-in Transceiver with optional Prox Support (HS2LCDRFx / HS2LCDRFPx)



Full Message LCD Hardwired Keypad With Built-in PowerG Transceiver (HS2LCDRF9)



Full Message LCD Hardwired Keypad With Built-in PowerG Transceiver & Prox Support (HS2LCDRFP9)



PowerG Wireless Full Message LCD 2-Way Wire-Free Keypad with optional Prox Support and Voice Prompting (HS2LCDWFPx / HS2LCDWFPVx)

Compatible with PowerSeries Neo, iotega, Qolsys IQ Panel 2 and PowerSeries Pro platforms

DNA CHART

Safety Sensors



PowerG Wireless
Smoke & Heat Detector
(PGx936)



PowerG Wireless
CO Detector
(PGx933)



PowerG Wireless
Temperature Detector
(PGx905)



PowerG Wireless
Flood Detector (PGx985)

Sirens, Repeaters & Transceivers



PowerG Wireless
Indoor Siren
(PGx901 BATT)



PowerG Wireless
Outdoor Siren
(PGx911 BATT)



PowerG Wireless
Repeater
(PGx920)



PowerG Wireless Host
Transceiver Module
(HSM2HOSTx)

Arming Devices & Panic Buttons



PowerG Wireless
Panic Key
(PGx938)



PowerG Wireless
2-Button Key
(PGx949)



PowerG Wireless
4-Button Key
(PGx939)



PowerG Wireless
4-Button Key
(PGx929)



Mini Prox Tag
(MPT)

ABOUT US

About Tyco

Tyco and its portfolio of brands form one of the largest security portfolios in the world. Engineers specializing in video security, access control, location-based security, and intrusion security give Tyco a competitive advantage when it comes to system integration. The company's focus is on turning data from sensors and systems into sharp insights and services that can solve those challenges and improve its customers' operations and performance. With more than a billion sensors and devices already in place across the globe, Tyco is in a unique position to deliver that future and make the Internet of Things work for its customers.

Visit www.tyco.com to find out more.

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 to our roots in 1885, with the invention of the first electric room thermostat. We are committed to helping our customers win and creating greater value for all our stakeholders through strategic focus on our buildings and energy growth platforms. For additional information, please visit johnsoncontrols.com or follow us [@johnsoncontrols](https://twitter.com/johnsoncontrols) on Twitter.

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PN 30002597



FHSS and TDMA ensure long range and immunity to interference



Adaptive "Best Path" selection

Extended Battery life (up to 8 years*)

Adaptive transmission power



Superior range (up to 4x vs. legacy technologies)



128-bit AES encryption

Sniff resistant

Anti-Takeover



Extensive device portfolio

Multi-capability devices

Continuous innovation

Compatible with various Tyco platforms

