tyco | DSC

NOW WITH 248 ZONES!

PowerSeries Pro 1.1 Commercial Security System

Integration Capabilities

Easy Installation

Flexibility

Growth Opportunities

Johnson Controls

Your Comprehensive Business Security Solution

Tyco I DSC is taking wireless security where it's never been before. PowerSeries Pro 1.1 is a long-range, commercial-grade system with industry-leading intrusion technology, flexible integration possibilities and the dynamic power to protect enterprises of any size. It's all the power of wires, without all the wires.

The system is protected using PowerG military-grade two-way, 128-bit AES encryption technology. Its best-in-class main panel power capabilities support up to 248 zones. It's robust enough to enable scalable projects, making it the ideal solution for mid to large businesses such as warehouses, office buildings, factories, retail and energy sector facilities.

FIRST CLASS WIRELESS COMMERCIAL SECURITY SYSTEM

Improved security, easy on the bottom line

Growth Opportunities

PowerSeries Pro provides scalable commercial installations designed to accommodate additional buildings and areas

And add additional functions, such as temperature monitoring and predictive analytics

Easy Installation

No drills. No wires. No repeaters.

(thanks to long range PowerG technology, 128-bit AES encrypted wireless communication)

Flexibility

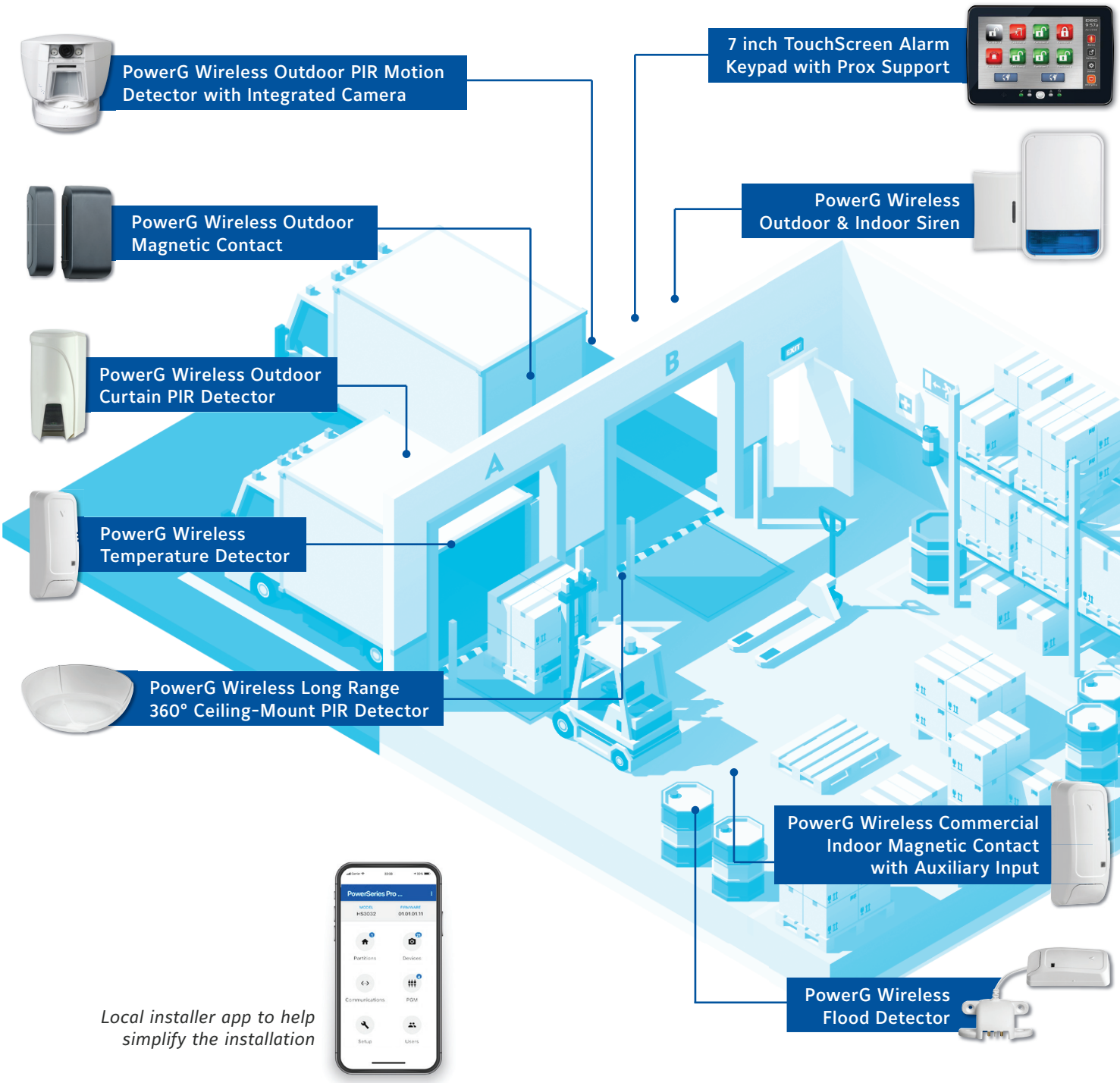
Frequency Hopping Spread Spectrum technology repeatedly switches frequencies to minimize interference of radio signals and prevent interception and obstruction during transmission

Integration Capabilities

Supports multiple third-party integrations, including Building Management Software, Alarm.com, and access control solutions

Compatible with a long list of additional security products, the system meshes them together seamlessly

COMMERCIAL SOLUTIONS



Local installer app to help simplify the installation

Best in Class Security

- Secures mid-large commercial installations without the need for wires on sensors or keypads
- PowerG wireless devices are encrypted with leading edge, proven technology, featuring two-way 128-bit AES encryption. All the benefits of traditional wired security, without the hassles of wires.
- Wired BUS modules, including wired keypads, zone expanders and power supplies, as well as central monitoring station alarm communications featuring 128-bit AES encryption
- Prevents tampering with enhanced triple end-of-line resistors and PowerG anti-masking technology

Future-Ready Scalable Value

- 2A on-board Power sustains any initial installation needs, and is ready for future additions, ensuring long-lasting value
- Created with future growth in mind, PowerSeries Pro supports an ever-expanding list of compatible security products that can be easily added to support each customer's changing needs
- Additional modular cellular communicator can be added in the future, based on customers' needs
- Largest selection of encrypted wireless devices and accessories available in the market, including options for outdoor security

FEATURING PowerG

Industry's leading-edge intrusion technology

Military-grade two-way, 128-bit AES encryption protects against powerful analysis tools and digital attacks

Full two-way synchronized TDMA communication to ensure there are no lost alarm messages

Multi-channel, Frequency Hopping Spread Spectrum (FHSS) repeatedly switches frequencies to minimize interference of radio signals and prevent interception and obstruction during transmission

ULC Wireless Commercial Burglary level 1, 2 & 3 Approval (ULC-5304-16)*

Devices dynamically optimize their route to the control panel to avoid RF interference and to extend battery life up to 8 years**

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

Advanced, time-saving toolset: on-site and remote diagnostics, remote real-time testing, support for advanced applications & mobile control to dramatically reduce maintenance costs

*Only applicable in Canada
**Battery life depends on device placement and system use

PANEL COMPARISON & COMPATIBILITY

ON BOARD	HS3032	HS3128	HS3248
On board Zones	8	8	8
Maximum Zones	32	128	248
Maximum Partitions	4	8	8
Maximum Wireless Zones	32	128	128
Users	72	1000	1000
On Board PGM	4	4	4
Maximum Low Current PGM's (HSM2208)	32	128	128
Maximum High Current PGM's (HSM2204)	4	16	16
Maximum Relay PGM's (HSM3204CX)	4	32	32
Event Buffer	500	1000	1000
Priority Buffer	2000	2000	2000
Arming Buffer	100	100	100
Cellular Plug-in Interface	1	1	1
On-Board Ethernet Connection 10MB/100MB/1GB	1	1	1
USB Connectors	2	2	2

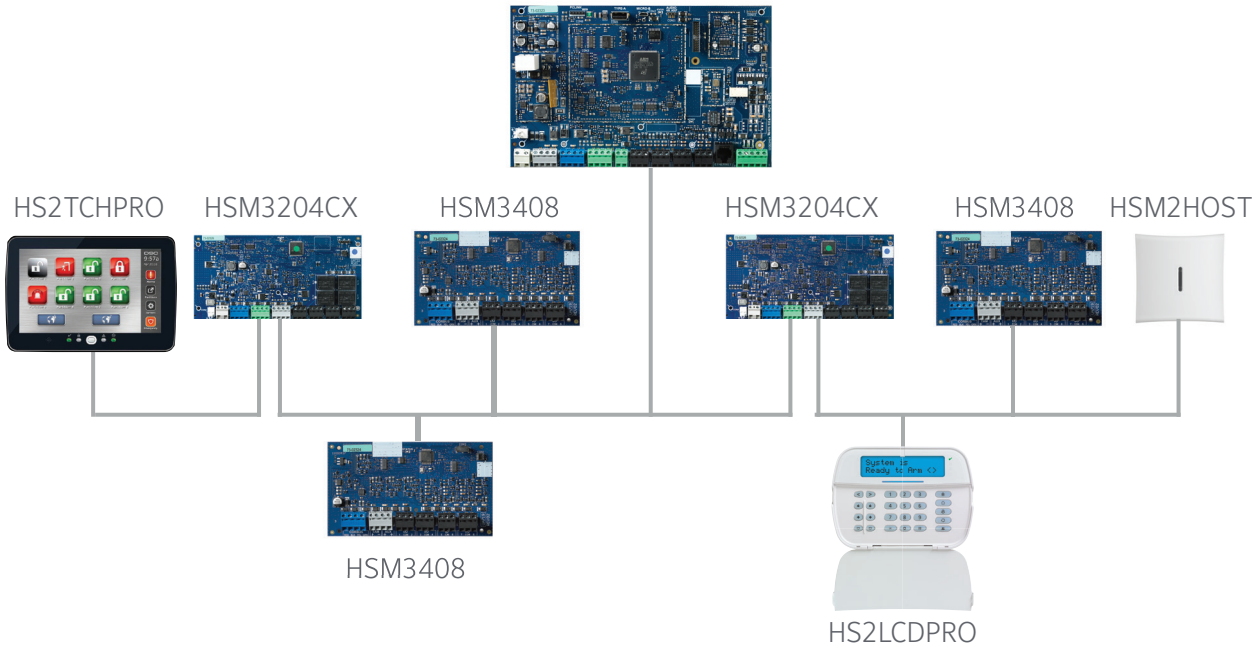
NAME	PART NUMBER
8 Zone Expander with removable terminal blocks	HSM3408
2 Amp Power Supply Bus Extender with 4 relays outputs	HSM3204CX
3 Amp Supervised Power Supply	HSM3350
18 V DC Power Adapter for main panel and power supplies	HS65WPSNA
Wi-Fi Adapter for installer programming	HSM3WIFI
LTE Cellular Communicator	LE9080
Alarm.Com Dual Path Communciator	TL880LEAT N (AT&T US or Canada) TL880LETL N (Telus Canada only) TL880LTVZ N (Verizon US only)
LCD Keypad with Prox and/or PowerG Transceiver	HS2LCD(RF)PRO9
TouchScreen Keypad with Prox. Tag Support (available in black or white)	HS2TCHPRO(BLK)
8 Zone Expander	HSM2108
1 Amp Power Supply with 4 program-mable outputs	HSM2204
8 low current power programmable output expander	HSM2208
1 Amp Supervised Power Supply	HSM2300
Two-Way Audio module	HSM2955
PowerG Transceiver	HSM2HOST9
Compatible with all PowerG devices	

SPECIFICATIONS
External Power Supply HS65WPSNA(5) ..... 100 V-240 VAC 50/60 HZ Max 1.7A. Output 18 VDC 3.6A Max.
Note: Power supply may be mounted outside the cabinet. Use the following guide to determine maximum distance for the selected wire gauge:
DISTANCE GAUGE: 6.5ft/2 meters ..... 22AWG 10ft/3 meters ..... 20AWG 13ft/4 meters 18AWG
Current Draw (Panel) ..... 85mA (Nominal)
Auxiliary Output ..... 13.75 +/- 5% Vdc/2 A
Bell Output ..... 13.75 +/- 5% Vdc/700 mA (2.0 A Current Limited)
Operating Environment..... 32° to 120° F (0° to 49° C)
Relative Humidity 93%
Board dimensions : 191 mm x 97 mm
Note: Please refer to www.dsc.com for the most current approval listings.

SPECIFICATION

System Overview

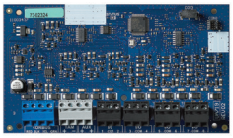
HS3032/HS3128/HS3248 MAIN PANEL



Key Features

- Hardwired zone expansion allows for easy expansion and programmable outputs
- All modules connect to main panel via a 4-wire connection
- Simple wiring can be home run, daisy chained, or T-tapped
- Fully encrypted communication
- Bus Repeaters allows for module to be installed up to 14,000 feet (4,267.2 metres) from main panel
- 2 or 3 amp supervised power supplies allow for larger scale systems

SPECIFICATION



HSM3408 8 Zone Expander

- The HSM3408 is a zone expander that adds up to 8 fully programmable zones to any PowerSeries Pro security system
- Supports no end-of-line, single end-of-line (0.5 kΩ - 28 kΩ), double end-of-line (0.5 kΩ - 15 kΩ), or triple end-of-line loops (0.5 kΩ - 7.5 kΩ)
- Connect 3/15/30 modules per system
- Simplify installation with easy to handle, removable terminal blocks
- Simplifies and enhances diagnostics by displaying zone resistance and Corbus voltages in real time

Specifications
Ordering Information:

HSM3408: .....8 hardwired zone expander
Dimensions: ...83 mm x 145 mm (3.25 inches x 5.7 inches)
Board Current Draw: .....50 mA
Input Voltage: .....10.8 VDC - 12.5 VDC
Operating Environment: ...-10˚ C to + 55˚ C (14˚ F to 131˚ F)
Relative Humidity: .....5% to 93%

Enclosures:
Standard metal cabinet (North America): HSC3010C
Red cabinet (Canada only): HSC3010CR
Attack resistant cabinet (North America): HSC3030CA

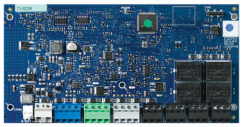
HSM3WIFI Adapter

- The HSM3WIFI Adapter creates a wireless hotspot that can be used with either DLS 5 version 1.70+ or the PowerSeries Pro AlarmInstall Installation app
- SSID & Password configurable using the HSM3WIFI Configuration Manager

Specifications
Ordering Information:

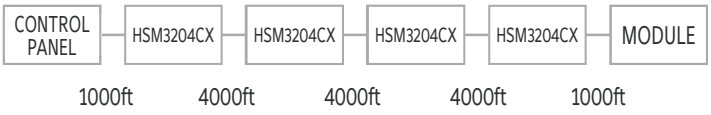
HSM3WIFI: .....USB WIFI Adapter
Spectrum: ..... IEEE 802.11 b/g/n
Frequency band: .....2.4 GHz
Security: WPA2
Supply voltage: .....USB VBUS 5 VDC ± 5 %
Current: .....120 mA @ 5 V (typical); 380 mA @ 5 V
Panel interface: .....USB Type-A, Male
RF distance: ..... > 20 M (65.5 feet) line of sight (in the metal panel cabinet with the door open)
Default SSID: HSM3WIFI
Default password: 12345678
Static IP address: 192.168.55.1

SPECIFICATION



HSM3204CX Power Supply with Corbus Repeater

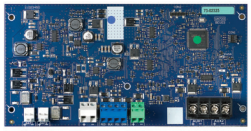
- The HSM3204CX provides an additional 12 VDC, 2 amps of current along with 4 programmable Form C relay outputs
- Each module extends the bus up to 4000 feet. Four modules may be connected together in series for a total of 14,000 feet
- Connect a maximum of 1/8 modules per system
- Displays battery charge levels and all Corbus voltages for simpler diagnostics
- Simplify installation with easy to handle, removable terminal blocks



Specifications
Ordering Information:

HSM3204CX: .....2 Amp Power Supply with Bus Extender
Dimensions: ...191 mm X 97 mm (7.5 inches x 3.8 inches)
Board Current Draw: .....25 mA
Input Voltage: .....18 VDC
Operating Environment: ...-10˚ C to + 55˚ C (14˚ F to 131˚ F)
Relative Humidity: ..... 5% to 93%
Aux output Voltage: .....10.8VDC – 12.5 VDC
Aux output current: ..... 2 Amps

Enclosures:
Standard metal cabinet (North America): HSC3010C
Red cabinet (Canada only): HSC3010CR
Attack resistant cabinet (North America): HSC3030CAR



HSM3350 Supervised 3 Amp Power Supply

- Uses HS65WPSNA Power Supply adapter
- Simplify installation with easy to handle, removable terminal blocks
- Provides enhanced diagnostics information for simpler diagnostics
- The HSM3350 provides an additional 12 VDC, 3 amps of power
- Dual battery backups individually supervised
- Connect 3/4 modules per system
- Displays battery charge levels and all bus voltages for simpler diagnostics

Specifications
Ordering Information:

HSM3350: .....3 Amp Power Supply
Dimensions: ...191 mm X 97 mm (7.5 inches x 3.8 inches)
Board Current Draw: .....35 mA
Input Voltage: .....18 VDC
Operating Environment: ...-10˚ C to + 55˚ C (14˚ F to 131˚ F)
Relative Humidity: ..... 5% to 93%
Aux output Voltage: .....10.8VDC – 12.5 VDC
Aux output current: ..... 3 Amps

Enclosures:
Standard metal cabinet (North America): HSC3010C
Red cabinet (Canada only): HSC3010CR
Attack resistant cabinet (North America): HSC3030CAR

SPECIFICATION

LE9080 Cellular Communicator

- The LE9080 is a cellular radio designed to provide alarm communications to a central monitoring station
- Mounts on main Panel Board
- Uses LTE-15ANT / LTE-25ANT / LTE-50ANT antenna extension kits
- Used with Connect24 services

Specifications
Ordering Information:

LE9080: .....Cellular Radio Communciator
Dimensions: ....31 mm X 61 mm (1.2 inches x 2.4 inches)
Board Current Draw: .....28 mA
Input Voltage: .....3.4 VDC – 4.8 VDC
Operating Environment: ...-10˚ C to + 55˚ C (14˚ F to 131˚ F)
Relative Humidity: .....5% to 93%
Frequency bands in MHz:
LTE Bands:
LTE Band 12 – 700MHz AC
LTE Band 13 – 700MHz C
LTE Band 5 – 850MHz
LTE Band 4 – 1700 / 2100 MHz AWS1
LTE Band 2 – 1900MHz PCS
3G Bands:
FDD Band 5 – 850 MHz
FDD Band 2 – 1900 PCS
LTE Maximum transmission power: .....Class 3 200mW
3G Maximum transmission power: .....Class 3 250 mW

HS65WPSNA (S) Power Adapter

- The HS65WPSNA is the Power Adapter used for the PowerSeries Pro main panel and its power supply modules
- The HS65WPSNAS is the Power Adapter used in Canada for the HS3032-KIT1CF

Specifications
Ordering Information:

HS65WPSNA: ...18 VDC Power Adapter with IEEE Type B plug
HS65WPSNAS: 18 VDC Power Adapter without plug. (Canada only)
Dimensions: ....191 mm X 97 mm (7.5 inches x 3.8 inches)
Input Voltage: .....100 VAC – 240 VAC 50/60Hz
Output Voltage: .....18 VDC
Operating Environment: .....-10˚ C to + 55˚ C (14˚ F to 131˚ F)
Relative Humidity: ..... 5% to 93%
Aux output current: ..... 3 Amps
Enclosures:
Standard metal cabinet (North America): HSC3010C
Red cabinet (Canada only): HSC3010CR
Attack resistant cabinet (North America): HSC3030CAR

DNA CHART

Intrusion Detectors

PowerG Wireless Door/Window Contact in White or Brown (PG9303)

PowerG Wireless Door/Window Contact with Auxiliary Input, in White or Brown (PG9945)

PowerG Wireless Commercial Magnetic Contact with Auxiliary Input (PG9309)

PowerG Wireless Recessed Contact (PG9307)

PowerG Wireless Shock Detector (PG9935)

PowerG Wireless Glass Break Detector (PG9922)

PowerG Wireless 360° Ceiling- mount PIR Detector (PG9862)

PowerG Wireless 360° Long Range Ceiling-mount PIR Detector (PG9872)

PowerG Wireless Digital Pet-Immune PIR Motion Detector (PG9914)

PowerG Wireless Curtain PIR Motion Detector (PG9924)

PowerG Wireless PIR Motion Detector with Integrated Camera (PG9934P)

PowerG Wireless Mirror Optic PIR Motion Detector (PG9974P)

PowerG Wireless Dual Technology (PIR & MW) Motion Detector (PG9984P)

PowerG Wireless Outdoor Magnetic Contact with Auxiliary Input (PG9312)

PowerG Wireless Advanced Outdoor Curtain PIR Detector (PG9902)

PowerG Wireless Outdoor PIR Motion Detector with Integrated Camera (PG9944)

PowerG Wireless Outdoor PIR Motion Detector (PG9994)

Communicators & Transmitters

Dual Path LTE/Internet Alarm Communicator compatible with ALARM.COM (TL880LEAT N/TL880LETL N)

Dual Path LTE/Internet Alarm Communicator compatible with ALARM.COM (TL880LTVZ N)

LTE Cellular Communicator (LE9080)

Keypads

PowerG Wireless Full Message LCD 2-Way Wire-Free Keypad with Prox and optional Voice Prompting (HS2LCDWFPRO9 / HS2LCDWFVPRO9)

Full Message LCD Keypad (HS2LCDPRO)

PowerG Full Message LCD Keypad with Built-in Transceiver (HS2LCDRFPRO9)

Hardwired Touchscreen Keypad 7 inch with Prox Support in Black or White (HS2TCHPRO / HS2TCHPROBLK)

Sirens, Repeaters & Transceivers

PowerG Wireless Indoor Siren (PG9901 BATT)

PowerG Wireless Outdoor Siren (PG9911 BATT)

PowerG Wireless Repeater (PG9920)

PowerG Host Transceiver Module (HSM2HOST9)

Safety Sensors

PowerG Wireless Smoke and Heat Detector (PG9936)

PowerG Wireless CO Detector (PG9933)

PowerG Wireless Temperature Detector (PG9905)

PowerG Wireless Flood Detector (PG9985)

Arming Devices & Panic Buttons

PowerG Wireless Panic Key (PG9938)

PowerG Wireless 2-Button Key (PG9949)

PowerG Wireless 4-Button Key (PG9939)

PowerG Wireless 4-Button Key (PG9929)

Mini Prox Tag MPT

Software Support

PowerSeries Pro AlarmInstall Local Programming App

WebSA System Administrator Software

Routine System Management Software (RSM)

DLS 5 Downloading Software

Control Panels

8 - 248 Zone Control Panel (HS3032 / HS3128 / HS3248)

Modules

Power Supply Module (HSM2300)

High Current Output Module (HSM2204)

Low Current Output Module (HSM2208)

Two-Way Audio Module (HSM2955(R))

8-Hardwired Zone Expander Module (HSM2108)

Power Supply with Corbus Repeater (HSM3204CX)

8 Zone Expander (HSM3408)

Supervised 3 Amp Power Supply (HSM3350)

Power Adapter (HS65WPSNA)

Programming WiFi Adapter (HSM3WIFI)

VERTICAL APPLICATIONS

Retail

Ideal for shopping centers, big box stores, and large grocery stores

- PowerG wireless devices provide industry-leading area coverage
- The Bus extender, for extra-large area installations, provides 14 times the coverage distance
- Accommodates a variety of teams such as day shift, night merchandisers or cleaners with different auto-arming schedules
- Timer-activated arming ensures that all perimeter doors, including back doors, are secure
- With No-Activity Arming capability, the system will arm itself according to a programmable timer even when someone forgets to arm it.

Office buildings

Perfect for medical buildings and call centers

- Flexible arming allows you to individually partition the areas used by the different tenants who share a building, making each partition schedule unique.
- Scheduled events allow day-of-week and time-of-day special programming to accommodate day time tenants and night time cleaners
- Long-range PowerG technology and devices ensure 100% building area coverage

Warehouse/ Manufacturing

Ideal for food and beverage companies, cannabis producers, and large e-commerce based companies

- PowerG technology, including outdoor contacts, outdoor PIR motion detector, and outdoor siren provide optimal security
- Provides industry-leading area coverage with PowerG wireless devices and for extra-large area installations, the bus extender allows for 14 times the coverage distance
- Utilize separate area arming for manufacturing, warehousing, office areas and server rooms, while still allowing access to cleaning crews and after-hours employees
- Enhanced security using prox tags and codes for entry into sensitive areas, plus the ability to now use 8-digit access codes
- Allows up to 1000 distinct user codes

Energy sector

Ideal for protecting outdoor generators, transmission towers, and storage areas

- Secures outdoor areas with PowerG outdoor contacts, outdoor PIR motion detector, and outdoor motion detector with integrated camera
- Receive video snapshots from alarm-triggers that help with event validation
- Long-lasting batteries in PowerG wireless devices enable maintenance-free use for up to 8 years

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** on Twitter.

© 2019 Johnson Controls. All rights reserved.
PN 30002601