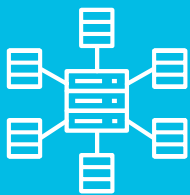


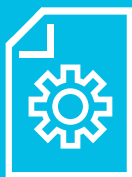


NOW  
WITH 248  
ZONES!

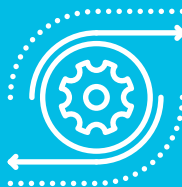
# PowerSeries Pro 1.1 Commercial Security System



Integration  
Capabilities



Easy  
Installation



Flexibility



Growth  
Opportunities

**Your Comprehensive Business Security Solution**

Tyco | 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 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



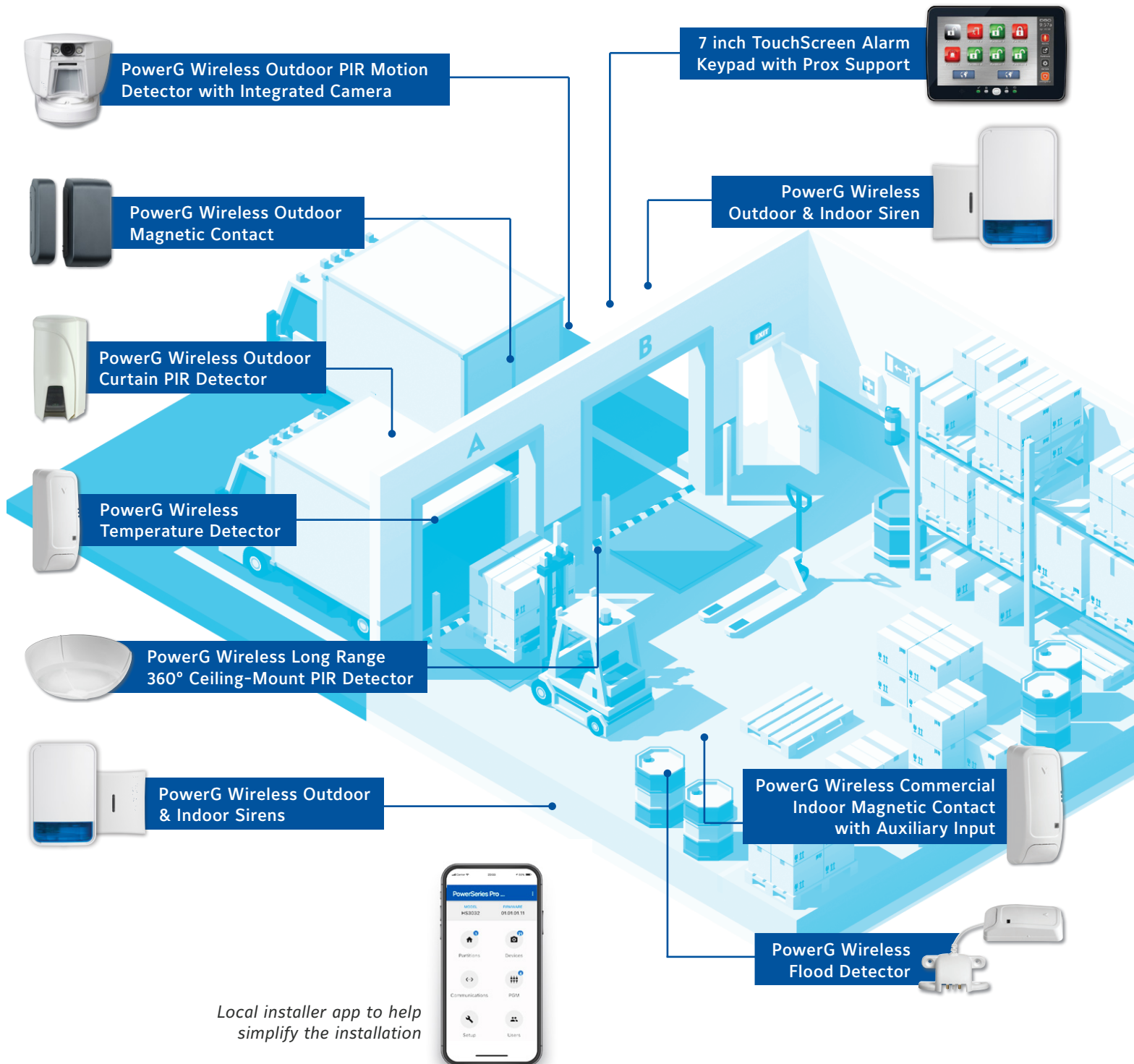
## Integration Capabilities

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

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



# COMMERCIAL SOLUTIONS





## 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      |

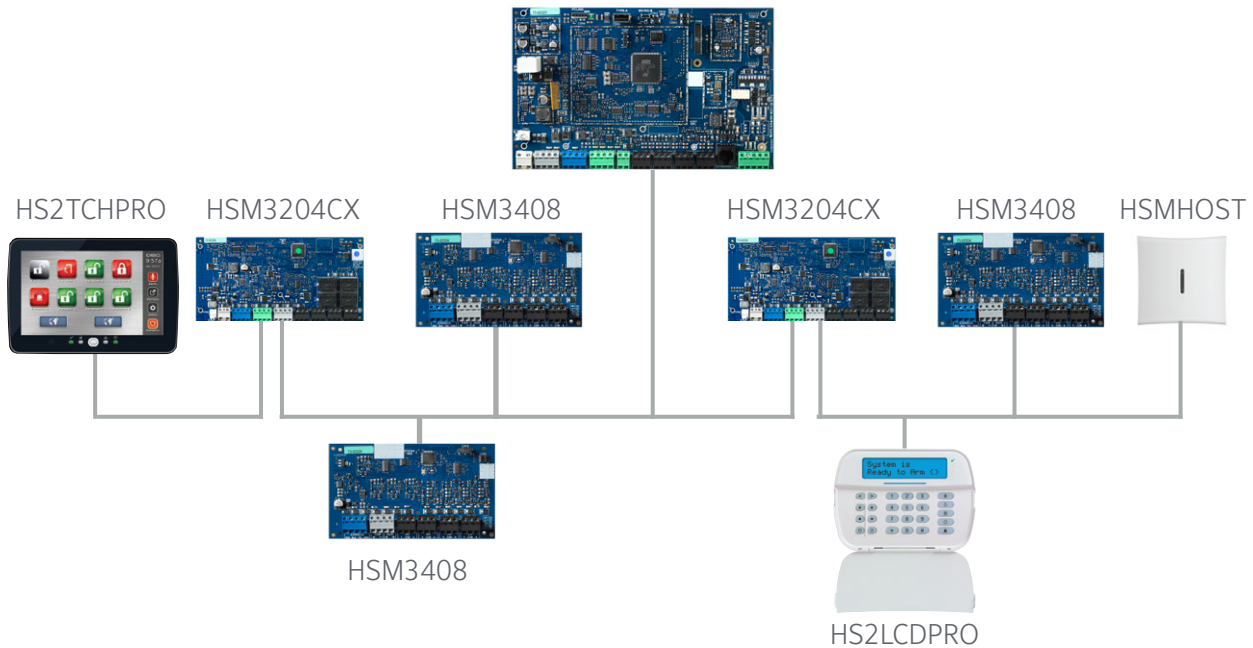
| NAME  | PART NUMBER   |
|---|---|
| 8 Zone Expander with removable terminal blocks                          | HSM3408   |
| 2 Amp Power Supply Bus Extender with 4 relays outputs                   | HSM3204CX   |
| 3 Amp Supervised Power Supply   | HSM3350   |
| 18 V DC Power Adapter for main panel and power supplies                 | HS65WPSNA   |
| WIFI Adapter for installer programming                                  | HSM3WIFI  |
| LTE Cellular Communicator   | LE9080  |
| Alarm.Com Dual Path Communciator  | TL880LT N<br>TL880 LEAT N (AT&T US or Canada)<br>TL880 LETL N (Telus Canada only)<br>TL880 LTVZ N (Verizon US only) |
| LCD Keypad with Prox and/or PowerG Transceiver                          | HS2LCD(RF)PRO9(P)   |
| TouchScreen Keypad with Prox. Tag Support (available in black or white) | HS2TCHPRO(BLK)  |
| 8 Zone Expander   | HSM2108   |
| 1 Amp Power Supply with 4 programmable outputs                          | HSM2204   |
| 8 low current power programmable output expander                        | HSM2208   |
| 1 Amp Supervised Power Supply   | HSM2300   |
| Two-Way Audio board   | HSM2955   |
| PowerG Transceiver  | HSM2HOST9   |
| Compatible with all PowerG devices                                      |   |

| SPECIFICATIONS  |
|---|
| External Power Supply HS65WPSNA ..... 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: |
| <b>DISTANCE GAUGE:</b>  |
| 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   |
| <b>Note:</b> Please refer to <a href="http://www.dsc.com">www.dsc.com</a> for the most current approval listings.                         |

# SPECIFICATION

## System Overview

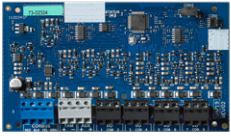
### HS3032/HS3128/HS3248 MAIN PANEL



## 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 ran, daisy chained, or tee-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 or 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



## HSM3408 8 Zone Expander

- 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:

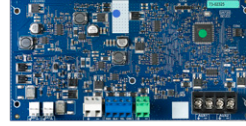
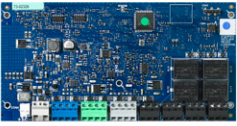
HSM3408: .....8 hardwired zone expander  
 Dimensions: ...83 mm x 145 mm (3.25 inches x 5.7 inches)  
 Board Current Draw: .....50 mA  
 Input Voltage: .....10.8 VDC - 12.5 VDC  
 Operating Environment: ...-10° C to + 55° C (14° F to 131° F)  
 Relative Humidity: .....5% to 93%

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

### Specifications Ordering Information:

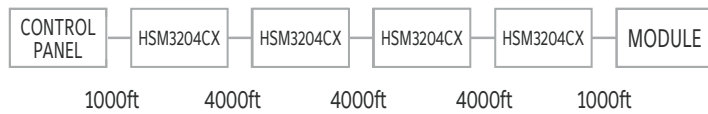
HSM3WIFI: .....USB WIFI Adapter  
 Spectrum: ..... IEEE 802.11 b/g/n  
 Frequency band: .....2.4 GHz  
 Security: .....WPA2  
 Supply voltage: .....USB VBUS 5 VDC ± 5 %  
 Current: .....120 mA @ 5 V (typical); 380 mA @ 5 V  
 Panel interface: .....USB Type-A, Male  
 RF distance: ..... > 20 M (65.5 feet) 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 or 8 modules per system
- Displays battery charge levels and all Corbus voltages for simpler diagnostics
- Simplify installation with easy to handle, removable terminal blocks



## 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 or 4 modules per system
- Displays battery charge levels and all bus voltages for simpler diagnostics

### 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

### 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



## 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:

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

### 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 (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 (PGx307)                              | 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)     |   |   |

## Communicators & Transmitters

|  |   |                                |
|--|---|--------------------------------|
|  |   |                                |
| Dual Path LTE/Internet Alarm Communicator compatible with ALARM.COM (TL880LEAT N / TL880LET) | Dual Path LTE/Internet Alarm Communicator compatible with ALARM.COM (TL880LTVZ N) | 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 Wireless Full Message LCD Keypad with Built-in Transceiver (HS2LCDRFPRO9) | Hardwired Touchscreen Keypad 7 inch with Prox Support in Black or White (HS2TCHPRO / HS2TCHPRO(BLK)) |

## Sirens, Repeaters & Transceivers

|  |   |                                   |   |
|--|---|-----------------------------------|---|
|  |   |                                   |   |
| PowerG Wireless Indoor Siren (PG9901 BATT) | PowerG Wireless Outdoor Siren (PG9911 BATT) | PowerG Wireless Repeater (PG9920) | PowerG Wireless 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 |

## 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 accessories 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 motion detector provide optimal security
- Provides industry-leading area coverage with PowerG wireless accessories 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](http://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](http://johnsoncontrols.com) or follow us [@johnsoncontrols](https://twitter.com/johnsoncontrols) on Twitter.

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