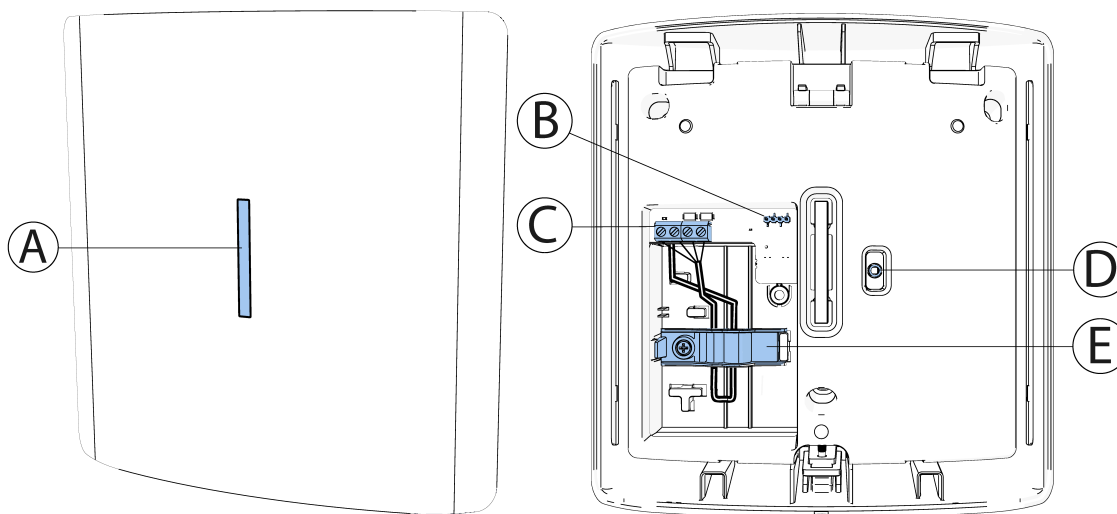


Installation guidelines

The reference to PGPHOST throughout this manual includes the models PGPHOST9, PGPHOST8, and PGPHOST4.

- ⚠ **CAUTION:** Only qualified personnel may install this equipment. Place this device in nonhazardous indoor locations only.
- **Important:** Check the device and the entire alarm system weekly to ensure optimal performance.
- ① **Note:** To comply with FCC RF exposure compliance requirements, locate the device at a distance of at least 20 cm from all persons during normal operation. Do not co-locate the antennas used for this product, or operate them in conjunction with any other antenna or transmitter.

Figure 1: PGPHOST external view



Callout	Description
A	LED
B	Tamper jumper
C	Terminal block
D	Front tamper
E	Cable holder

For more information refer to section [About PGPHOST](#).

Adhere to the following instructions when choosing the installation location:

- Do not install the PGPHOST near metal cabinets, metal doors, metal chimneys, or reinforced concrete walls.
- Do not install the PGPHOST near heaters, air conditioners, ventilators, or refrigerators.
- Avoid places that expose the PGPHOST to direct sunlight, excessive heat, moisture, vapors, chemicals, or dust.
- Do not install the PGPHOST near water.
- Do not install the PGPHOST and its accessories in areas where there is a risk of explosion.



For best detection, install in a location that has the following requirement:

- As high as possible above the floor.

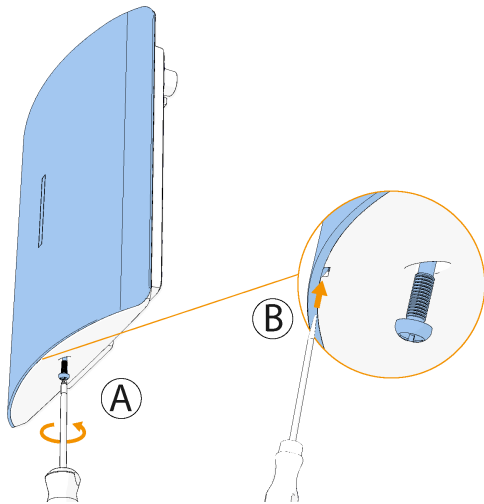
Connecting the Corbus cable

Use a Corbus cable with a maximum gauge of 18 – 22 AWG (4 wired) and a maximum diameter of 6 mm.

⚠ CAUTION: Remove all power from the panel while connecting modules to the Corbus.

1. To open the device cover, use a screwdriver to loosen the cover screw. To separate the base from the cover, insert the screwdriver parallel to the wall and push it. See [Figure 2](#).

Figure 2: Device cover removal



2. Detach the cable holder. See A in the [Figure 4](#).
3. Place the cable inside the cover. See B in [Figure 4](#) for wiring options.
4. To connect the PGPHOST to the panel, use the four-wire Corbus of the alarm panel according to [Figure 3](#).

Figure 3: Wiring

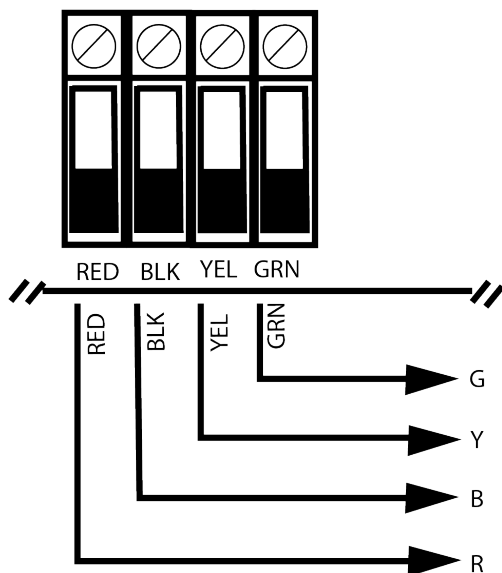
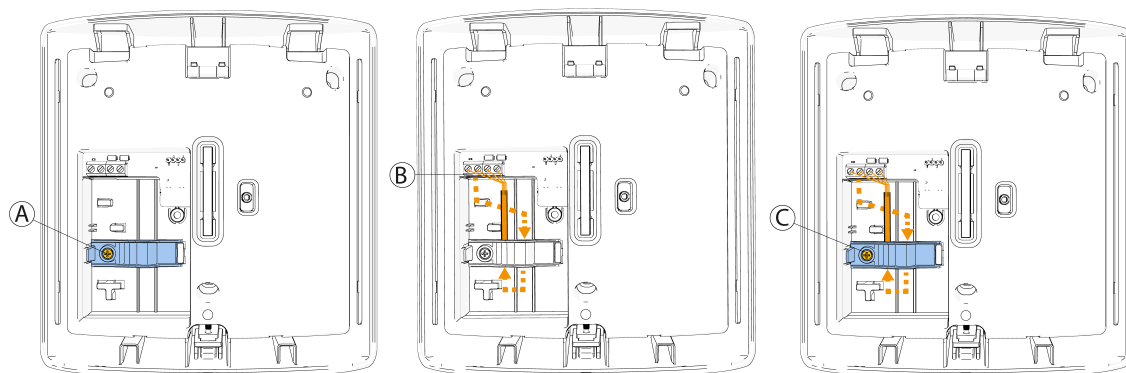


Figure 4: Wiring internal view



5. Put the cable holder in place, verify that the cable is under the holder, and connect the screw. See C in [Figure 4](#).
6. Power up the alarm panel.

Enrolling the device

❗ **Note:** These instructions apply only to PowerSeries Neo and PowerSeriesPro. For other panels please refer to the panel installation guide.

The PGPHOST must be enrolled onto the alarm panel before any wireless devices can be enrolled. When the alarm system is powered up for the first time, the first keypad or the PGPHOST (if using a wireless keypad as the first keypad) can be enrolled using the following steps.

1. Once the PGPHOST is wired to the alarm panel and power has been applied, power up a wireless keypad.
2. Press any button on the keypad to enroll it on the PGPHOST. The PGPHOST is then automatically enrolled on the alarm panel. Alternately, enroll the PGPHOST on the system at any time using the following procedure.
 - a. Enter **Installer Programming** [902][000] (Auto Enroll All Modules).
 - b. When prompted, press [*] to enroll. Verify in the alarm panel that the following text displays: Enrollment completed successfully.
 - c. Power the PGPHOST off and then power it back on.
3. To remove the PGPHOST from the system, complete the following steps.
 - a. Enter **Installer Programming** section [902][106] (Delete PowerG HOST).
 - b. Press [*] to delete.

Configuring the device parameters

❗ **Note:** These instructions apply only to PowerSeries Neo and PowerSeriesPro. For other panels please refer to the panel installation guide.

[804][000] Enrolling wireless devices

1. Enter Installer Programming section [804][000].
2. When prompted, either activate the device (see device installation sheet) to enroll immediately, or enter a device ID number. Programming options are available to view on the panel.
3. Use the scroll keys or type in the corresponding number to select an option.
4. Scroll through the available selections, key in a number or enter text as appropriate.

5. Press [*] to accept and move to the next option.
6. Once all options are configured, the system prompts to enroll the next device.
7. Repeat the process described above until all wireless devices are enrolled.

[804][001]-[716] Configuring wireless devices

1. Enter Installer Programming section [804] then select one of the following sub-sections:
 - 001-128 – Configure Wireless Zones
 - 551-566 – Configure Wireless Sirens
 - 601-632 – Configure Wireless Keys
 - 701-716 – Configure Wireless Keypads
2. Select a device to configure using the scroll keys or go directly to a specific device by entering a hotkey.
3. Use the scroll buttons or enter a hotkey to select a configuration option for the device. See device sheets for details.
4. Press [*] to accept and move to the next option.
5. Once all options are configured, the system returns to the base configuration menu.
6. Repeat the process described above to configure other wireless devices.

[804][801] Configuring RF jam detection

1. Enter Installer Programming section [804][801] then select one of the following options:
 - 00–Disabled
 - 01–UL20/20-USA
 - 02–EN30/60-Europe
 - 03–Class630/60-British
2. Press [*] to accept the selection.
3. Press [#] to exit the section.

[804][802] Programming the wireless supervision window

For EN installations, 1 hour or 2 hours must be selected. When option 06 is used, which configures the system to generate fault conditions after a device has been detected as absent for 24 hours, smoke detectors generate a fault condition after a maximum of 18 hours when the 200s supervision toggle option is disabled.

1. Enter Installer Programming section [804][802].
2. Select one of the following options by scrolling or entering the hotkey:
 - 00–Disabled
 - 01–After 1Hour
 - 02–After 2Hour
 - 03–After 4Hour
 - 04–After 8Hours
 - 05–After 12Hours
 - 06–After 24Hours
3. Press [*] to accept the selection.
4. Press [#] to exit the section.

- ① **Note:** For UL Residential Burglary (UL1023), Home Health Care (UL1637), ULC Residential Burglary (ULC/ORD-C1023) installations, the maximum Supervision window shall be set to 24 hours. For UL Commercial Burglary (UL2610/UL365, ULC-S304) and ULC Residential Fire (ULC-S545), the maximum supervision window shall be set to 4 hours.

[804][810] Programming wireless option 1

1. Enter Installer Programming section [804][810].
2. Select one of the following options by scrolling or entering the hotkey:
 - 01-RF Delinquency
 - 02-WirelessSupervisory/RF Jam Alarm
 - 03-WirelessTamper
 - 04-Fire Supervision
3. Press [*] to accept the selection and [#] to exit.

[804][901]-[905] Deleting wireless devices

1. Enter Installer Programming section [804] then select one of the following sub-sections:
 - [901] – Delete wireless zone devices
 - [902] – Delete wireless key
 - [903] – Delete sirens
 - [904] – Delete repeaters
 - [905] – Delete keypads
2. Select a device to delete using the scroll keys or go directly to a specific device by entering a hotkey.
3. Press [*] to delete or [#] to exit.

[804][921]-[925] Replacing wireless devices

1. Enter Installer Programming section [804] then select one of the following sub-sections:
 - [921] – Replace wireless zone devices
 - [922] – Replace wireless key
 - [923] – Replace sirens
 - [924] – Replace repeaters
 - [925] – Replace keypads
2. Press [*] to select a sub-section. The first available device is displayed.
3. Select a device to replace using the scroll keys or go to a specific device by entering a hotkey.
4. Press [*]. When prompted, activate the device (full enrollment) or enter the device ID (preenrollment). A message is displayed confirming enrollment.

[804][990][001 – 005] Showing all devices

Use this section to review wireless devices enrolled on the system and to view serial numbers associated with each device.

1. To review wireless device information, enter Installer Programming section [804][990] then select one of the following sub-sections:
 - [001] –Allzones
 - [002] –Repeaters
 - [003] –Sirens

- [004] –Wirelesskeys
 - [005] –keypads
2. Press [*] to select a wireless device type. The first available device is displayed.
 3. Use the scroll keys to view the enrolled devices.

❗ **Note:** This option is not fully supported by LED and ICON keypads.

[804][999] Resetting to factory defaults

Select this option to reset the PGPHOST programming to factory default settings.

[904] Placement testing wireless devices

The following test modes are available:

- [904][001]-[128] – Test wireless zones
- [904][521]-[528] – Test all repeaters
- [904][551]-[566] – Test all sirens
- [904][601]-[632] – Test all wireless keys
- [904][701]-[716] – Test all keypads

For placement testing, two test results are provided as follows:

1. 24-hour: Average results of signal strength testing over a 24-hour period.
2. Now: Signal status results of the current test.

A flashing Trouble LED indicates RF interference. The following status indicators are displayed on enrolled system keypads:

LCD keypad	Icon keypad	LED keypad	Status
Strong	1	9	Strong signal strength
Good	2	10	Good signal strength
Poor	3	11	Poor signal strength
Not tested	5	13	Displayed as the Now result if no test was performed
Not tested	5	13	Always displayed as the 24-hour result when testing wireless keys

For Icon keypads, digit 1 indicates 24-hour test results; digit 2 indicates Now test results.

For LED keypads, the first digit indicates 24-hour results; the second digit indicates Now test results.

❗ **Note:** For UL/ULC installations, only STRONG signal levels are acceptable.

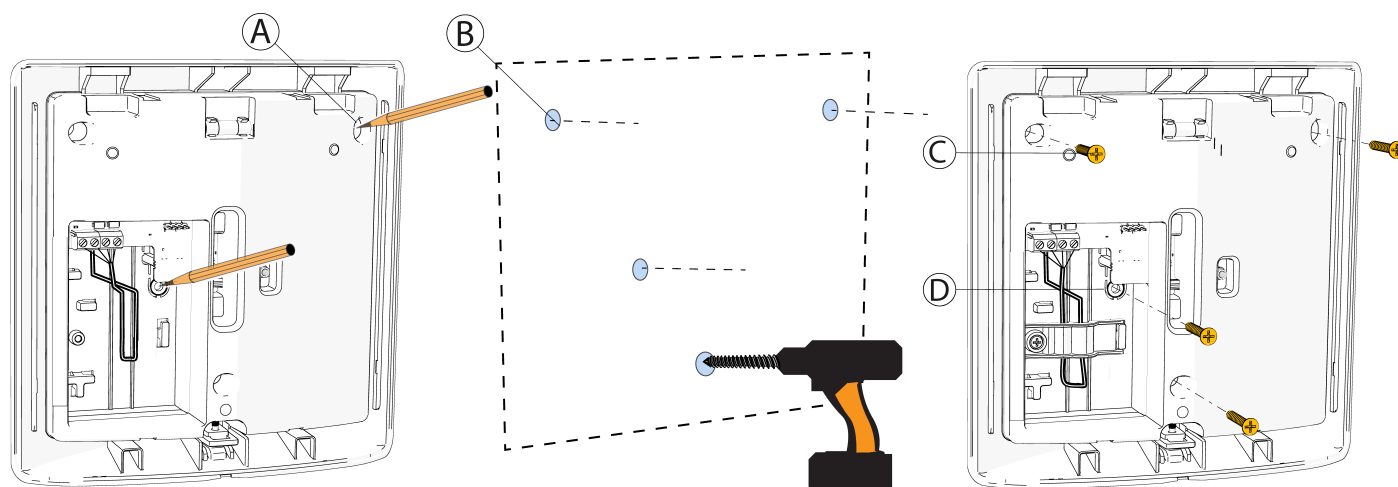
❗ **Note:** For EN installations, GOOD signal levels are acceptable.

Mounting the device using screws

1. Remove the device cover. See [Figure 2](#).
2. Line up the device base with the wall and mark the screw hole locations with a pencil. See A in the following figure.

3. Use a drill to prepare the screw locations on the wall. See B in the following figure.
 4. Screw the device base to the wall. Ensure the device is correctly orientated. See C and D in the following figure.
- ❗ **Note:** Make sure to fasten the break-away segment (D) to the wall. If the device is forcibly removed from the wall, this segment will break away from the base, causing the tamper switch to open. Break-away segment (D) is required for UL/ULC Commercial Burglar and EN Grade 2 applications.

Figure 5: Device screw installation

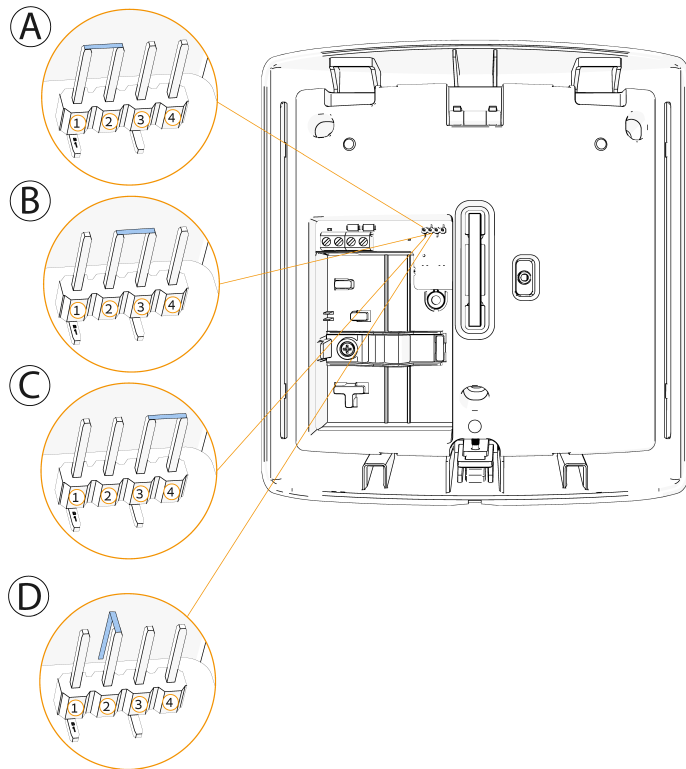


Callout	Description
A	Pencil markings
B	Drilling holes
C	Screws
D	Break-away segment

5. See the following table and images for tamper jumper options.

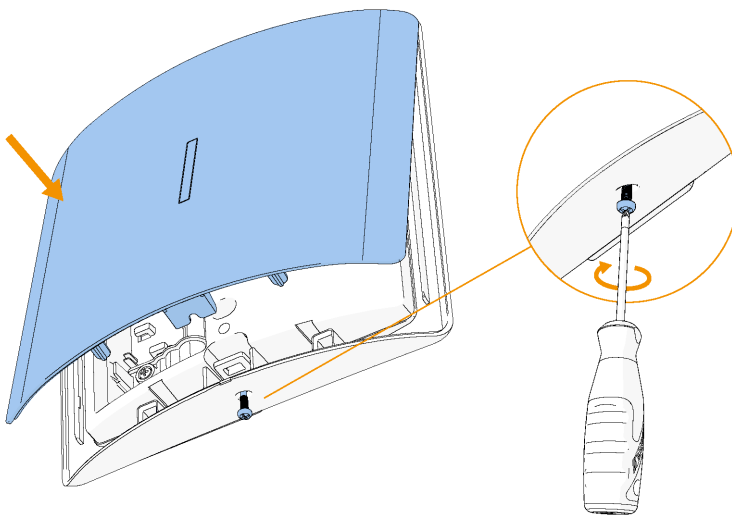
Option	Jumper location	Front tamper	Back tamper
A	1 to 2	Disable	Disable
B	2 to 3	Enable	Disable
C (Default for 915 and 433 MHz)	3 to 4	Enable	Enable
D (Default for 868 MHz)	2	Enable	Enable
None	None	Enable	Enable

Figure 6: Back and front tamper jumper locations



6. Clip the cover on the device base and tighten the cover screw.

Figure 7: Closing the device cover



LED functions

The LEDs on the front of the PGPHOST provide feedback regarding the installation, operation, and troubleshooting of the unit. The LEDs function as outlined in the following table.

LED	Operation
Red LED	
Module power up	On steady during module power-up sequence, then off.
Firmware update	Slow flashing = update in progress Rapid flashing = update failed
Trouble condition	No trouble: 1 rapid flash every 10 seconds. If troubles are present, a series of flashes occur every 2 seconds. Each series of flashes indicate troubles as follows: • 1 flash: Module not enrolled • 2 flashes: Loss of contact with module for over 60 seconds • 3 flashes: Corbus low voltage • 8 flashes: RF interference (jam condition)
Module confirmation	Flashes rapidly during module confirmation process.
Placement test	On steady when location is bad. Off when location is good.
Green LED	
Placement test	On steady when location is suitable. Off when location is unsuitable. ① Note: For UL/ULC listed systems, signal must be strong.

Specifications

Frequency Band	868 to 869 MHz, 912 to 919 MHz, 433 to 434 MHz
Communication Protocol	PowerG
Power Supply	10.8 VDC to 12.5 VDC from alarm controller. LPS limited to 700 mA and EN 62368-1 certified. Rated Current: average 30 mA, maximum 60 mA.
Operating Temperature	-10°C (14°F) to 55°C (131°F) UL/ULC verified range: 0°C (32 ° F) to 49°C (120°F)
Relative Humidity	Up to 93% non-condensing
Dimensions (LxWxD)	180 mm x 180 mm x 48 mm (7.1 in. x 7.1 in. x 1.9 in.)
Weight	434 g (15 oz)
Corbus cable	4 wired, double twisted pair, 18 – 22 AWG Maximum cable diameter 6 mm. The cable can be wired up to 304 m (1000ft.) from the main panel.
Color	White

Compliance with standards

The PGPHOST complies with the following standards:

PGPHOST9	FCC (912 to 919 MHz): 47CFR part 15.247 ISED (912 to 919 MHz): RSS-247 UL/ULC: UL2610, UL1023, UL985, ULC/ORD-C1023, ULC-S545, ULC-S304
PGPHOST8	EN 300220, EN 301489, EN 50130-4, EN 50130-5, EN 61000-6-3, EN 62368-1, EN 50131-3, EN 50131-5-3 GRADE 2, CLASS II UK: is suitable for use in systems installed to conform to PD6662 at Grade 2 and environmental class II, DD243 and BS8243
PGPHOST4	EN 300220, EN 301489, EN 50130-4, EN 50130-5, EN 61000-6-3, EN 62368-1

PGPHOST8 is certified by KIWA in accordance with EN 50131-1, EN 50131-3, EN 50131-5-3, EN 50131-6, EN 50130-4, EN 50130-5. Security Grade 2 and Environmental Class II.

Simplified EU declaration of conformity

Hereby, Tyco Safety Products Canada Ltd. declares that the radio equipment type PGPHOST8 and PGPHOST4 are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

PGPHOST8: <http://dsc.com/pdf/241101>

PGPHOST4: <http://dsc.com/pdf/2511002>

Frequency band	Maximum Tx power
868.0 MHz - 868.6 MHz	+14 dBm
868.7 MHz - 869.2 MHz	+14 dBm
433.22 - 434.62 MHz	+10 dBm

European single Point of Contact: Tyco Security Products, Voltaweg 20, 6101 Xk Echt, Netherlands

UK single point of contact: Johnson Controls / Units 1,3&4 Works Road / Letchworth / SG6 1FF / UK

FCC and ISED Canada Compliance Statement

This device complies with FCC Rules Part 15 and with ISED Canada license-exempt RSS standard(s). Operation is subject to two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

To comply with FCC Section 1.1310 for human exposure to radio frequency electromagnetic fields and ISED Canada requirements, implement the following instruction:

A distance of at least 20cm. between the equipment and all persons should be maintained during the operation of the equipment.

Le dispositif doit être placé à une distance d'au moins 20 cm à partir de toutes les personnes au cours de son fonctionnement normal. Les antennes utilisées pour ce produit ne doivent pas être situées ou exploitées conjointement avec une autre antenne ou transmetteur.

① **Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

⚠ **WARNING:** Changes or modifications to this equipment not expressly approved by the party responsible for compliance (DSC.) could void the user's authority to operate the equipment.



UL/ULC notes

Only model PGPHOST9 operating in the frequency band 912-919MHz is UL/cUL certified. The PGPHOST9 has been certified for UL/cUL commercial and residential burglary and residential fire applications in accordance with the requirements in the Standards UL2610, UL1023, ULC-S304 Security Levels I-III, UL985 and ULC-S545. For UL/ cUL installations use these device only in conjunction with compatible DSC alarm systems: NEO Power Series (HS2128, HS2064, HS2032, HS2016), Power Series Pro (HS3248, HS3128, HS3032), IQ Pro, IQ Pro P.

Safety Instructions

Read the safety information before you install the equipment.

The transceiver shall be installed and used within an environment that provides the pollution degree max 2 and over voltages category II in non-hazardous locations, indoor only. The equipment is designed to be installed by SERVICE PERSONS only; (SERVICE PERSON is defined as a person having the appropriate technical training and experience necessary to be aware of hazards to which that person may be exposed in performing a task and of measures to minimize the risks to that person or other persons).

The transceiver is to be installed in an indoor dry location. Exposure to weather or corrosive conditions may damage the unit.

WEEE Product recycling declaration



For information regarding the recycling of this product you must contact the company from which you originally purchased it. If you are discarding this product and not returning it for repair then you must ensure that it is returned as identified by your supplier. This product is not to be thrown away with everyday waste.
Directive 2012/19/EU Waste Electrical and Electronic Equipment.

About PGPHOST

The PGPHOST is a two-way wireless transceiver that adds wireless capability to PowerSeries Neo and PowerSeriesPro alarm controllers, model HS2128, HS2064, HS2032 or HS2016. This manual describes how to install, program and maintain the PGPHOST. Note that only one PGPHOST or one RFK keypad can be enrolled on the alarm system.

Limited Warranty

Digital Security Controls ("DSC"), a division of Tyco Safety Products Canada Ltd, a part of the Johnson Controls group of companies ("JCI"), warrants that for a period of 12 months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfilment of any breach of such

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