# **tyco** | DSC



# I PG9936/PG8936/PG4936 Wireless

## **Smoke and Heat Detector**

Installation and Operating Instructions

Read this instruction sheet thoroughly before installation and use of the PG9936/PG8936/PG4936

#### Introduction

The PG9936/PG8936/PG4936 is a wireless photoelectric smoke and heat detector with a fixed temperature and rate of rise heat detector, and an internal piezoelectric alarm.

The following versions are available:

Frequency (MHz)	Version	Region
915	PG9936	North America
868	PG8936	Europe
433	PG4936	Europe/International and Australia

## **Compatible Devices**

This smoke detector is compatible with UL/ULC Listed DSC Wireless Control Panels and DSC Wireless Receivers using PowerG Technology, PowerSeries Neo and iotega platform 3.



NOTE: For UL/ULC installations use this device only in conjunction with compatible DSC wireless receivers: HS2128, HS2064, HS2032, HS2016 control units when connected to HSM2HOST9 wireless receiver, HS2LCDRF(P)9, HS2ICNRF(P)9 Keypads with integrated receiver, PG9920 repeater and Wireless Alarm Systems WS900-19, and WS900-29. Transmissions occur at approximately 915 MHz (912 MHz to 919 MHz).

## Operation

Approximately every 7 to 8 seconds the unit tests for a smoke or heat alarm condition. During this sequence the unit also performs self diagnostics, and checks for tampers and faults. During normal operation the green LED flashes every 60 seconds and the sounder does not sound.

#### Smoke Alarm

The smoke detector alarms when the signal level exceeds the "alarm" threshold and automatically restores when the signal level falls below the alarm "restore" threshold. During an alarm the red LED flashes once per second and the sounder sounds the evacuation temporal pattern.

## **Alarm Silencing**

This smoke alarm is provided with an automatically resettable alarm silencing feature. When the sensor is in alarm, press the Test/Silence/Reset button to silence the local annunciation of the alarm and transmit an alarm restore event to the control panel. The red LED flashes once per second for up to 7 minutes, to indicate the alarm has been silenced.

After an alarm the red LED will flash once every 4 seconds to indicate an alarm in memory. The alarm silence feature has a fixed time setting that desensitizes the smoke alarm for 7 minutes. Alarm silencing does not disable the smoke alarm but rather reduces its smoke sensitivity. Following the silenced period the smoke alarm restores automatically to its intended operation. If smoke around the unit is dense enough to suggest a potentially dangerous situation, it remains in alarm, or may return to the alarm state quickly.

## **Detector Trouble**

When the detector has a general fault, the yellow LED blinks once every four seconds and there is a chirp every 48 seconds. After 4 hours, the panel will display a fire trouble message.

#### **Detector and Status Indication**

Status	LEDs	Sounder	
Normal	Green flash every 60 seconds	Off	
Heat Alarm	Red flash every 1 second	ANSI S3.41 temporal 3	
Heat Test	Red flash every 1 second	ANSI S3.41 temporal 3	
Smoke Alarm	Red flash every 1 second	ANSI S3.41 temporal 3 (press button to hush for 5-10 minutes)	
Smoke Test (with canned smoke)	Red flash every 1 second	ANSI S3.41 temporal 3 (press button to hush for 5-10 minutes)	
Test Alarm (button press)	Red flash every 1 second	ANSI S3.41 temporal 3	
Detector Trouble	Yellow flash every 4 seconds	One chirp every 48 seconds	
Low Battery	Yellow flash every 12 seconds	One chirp every 48 seconds (press button to hush for 12 hours)	
Detector Dirty	Yellow flash every 8 seconds	One chirp every 48 seconds	
Power-up Red, yellow, green, flash sequence		One chirp at the end of the power- up sequence	
Tamper	Red, yellow, green flash sequence every 12 seconds	Off	
	Red flash every 1 second (alarm hush)	Off	
Hush Mode	Yellow flash every 12 seconds (low battery hush)	Off	

## **Detector Cleaning Required**

When the detector is contaminated, the yellow LED blinks once every 8 seconds and there is a chirp every 48 seconds. Refer to the MAINTENANCE section for cleaning the detector. After 4 hours, the panel displays a message fire clean.

#### **Heat Alarm**

The heat detector (cULus versions only) alarms when the heat signal level exceeds the heat alarm threshold (135 °F / 58 °C); and will automatically restore when the heat signal level falls below the heat alarm threshold (restore). The detector also goes into a heat alarm state when there is a rapid increase in the temperature over a short period of time. During an alarm the LED flashes 1/second and the sounder sounds the evacuation temporal pattern.

#### Tamper

The removal of the detector from the mounting plate initiates a "tamper" transmission. The tamper condition is restored after the detector is mounted on the plate.

#### Wireless Transmissions

A supervisory message is transmitted at 128 second intervals for the PGx936. If the signal is not received the control panel determines that the detector is missing.

The detector transmits the following:

- Alarm / Alarm Restore (heat or smoke alarm). Transmitted at time of occurrence.
  - NOTE: During an alarm condition, the detector sends an alarm event to the control panel. When the condition is restored, the detector sends an alarm restore event to the panel and sets the alarm restore indicator. The red LED blinks once every 4 seconds until the Alarm in memory is cleared. You can clear the alarm restore indicator from the control panel, or press and hold the test button for 5 seconds.
- Tamper / Tamper Restore (tamper switch activated) 10 second maximum delay on restore before transmission.
- Low Battery (battery voltage falls below threshold). Battery voltage is tested & transmitted at the time of a supervisory or other transmissions.
- **Trouble** (detector fault or sensor compensation limit reached). Troubles are transmitted at the time of occurrence (one trouble per supervisory interval).

#### **Batteries**

The wireless smoke heat alarm is powered by 3 AAA batteries (included). The detector regularly checks for a low battery. If a low battery is detected, the transmitter sends a low battery message to the control panel, which displays the detector's ID at low battery. In addition, the yellow LED of the detector blinks every 12 seconds. The detector's sounder chirps every 48

seconds and the yellow LED continues to blink until the batteries are replaced. Pressing the hush button silences the chirps for 12 hours, if no other trouble conditions exist. The batteries should be replaced with new batteries when the chirps begin.

At low battery, the test button is disabled. An alternative test method is to use an aerosol test gas such as 'Solo A10 smoke detector tester'. Shake the can well, aim it at the smoke detector and spray a short burst (no more than 1 sec) at the detector. If the alarm does not sound, repeat every 10 seconds until alarm sounds or for a maximum of 1 minute.

NOTE: If the alarm does not sound, contact the installer or dealer for service.

#### **Battery Installation and Replacement**

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used battery according to the manufacturer's instructions.

To replace batteries, complete the following steps:

- Remove the detector from its mounting base by twisting the detector counterclockwise. Carefully remove batteries by lifting from the "+" end using a flathead screwdriver and dispose of them according to local regulations.
- To ensure a proper power-down sequence, wait a minimum of 30 seconds before installing new batteries.
- 3. Install 3 new AAA batteries in the battery compartment. Install the batteries by inserting the "-" end first, then pushing the "+" end down. If the batteries are incorrectly inserted, please remove them carefully by lifting them out from the "+" end and correctly reinserting them.



- Re-install the detector on its mounting base by turning the detector clockwise until the mating marks align.
- After the power-up sequence, the green LED should blink once every 60 seconds to indicate normal operation. If the batteries are not installed correctly, the detector will not

operate and the batteries may be damaged. If the detector does not power up, check that the batteries are installed correctly and fully charged.

6. Test the detector as described later.

CONSTANT EXPOSURES TO HIGH OR LOW TEMPERATURES OR HIGH HUMIDITY MAY REDUCE BATTERY LIFE.

#### Installation Instructions

The PG9936/PG8936/PG4936 Series wireless smoke detector 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).

#### 1. Smoke Detector Placement

Research has shown that all hostile fires in homes generate smoke to a greater or lesser extent. Experiments with typical fires in homes indicate that detectable quantities of smoke precede detectable levels of heat in most cases. For these reasons, smoke alarms should be installed outside of each sleeping area and on each storey of the home.

The following information is for general guidance only and it is recommended that local fire codes and regulations be consulted when locating and installing smoke alarms. It is recommended that additional smoke alarms beyond those required for minimum protection be installed. Additional areas that should be protected include: the basement; bedrooms, especially where smokers sleep; dining rooms; furnace and utility rooms; and any hallways not protected by the required units. On smooth ceilings, detectors may be spaced 9.1 m (30 ft) apart as a guide. Other spacing may be required depending on ceiling height, air movement, the presence of joists, uninsulated ceilings, etc. Consult National Fire Alarm Code NFPA 72, CAN/ULC-S553 or other appropriate national standards for installation recommendations.

- Do not locate smoke detectors at the top of peaked or gabled ceilings; the dead air space in these locations may prevent the unit from detecting smoke.
- Avoid areas with turbulent air flow, such as near doors, fans or windows. Rapid air movement around the detector may prevent smoke from entering the unit.
- · Do not locate detectors in areas of high humidity.
- Do not locate detectors in areas where the temperature rises above 38 °C (100 °F) or falls below 5 °C (41 °F).

 Smoke detectors must always be installed in USA in accordance with Chapter 29 of NFPA 72, the National Fire Alarm Code: 29.5.1.1.

Where required by applicable laws, codes, or standards for a specific type of occupancy, approved single and multiple-station smoke alarms shall be installed as follows:

- 1. In all sleeping rooms and guest rooms.
- Outside of each separate dwelling unit sleeping area, within 6.4 m (21 ft) of any door to a sleeping room, the distance measured along a path of travel.
- 3. On every level of a dwelling unit, including basements.
- On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics.
- 5. In the living areas of a guest suite.
- In the living areas of a residential board and care occupancy (small facility).
   NOTE: In Australia the device shall not be installed in locations where the normal ambient temperature is lower than 5 °C or higher than 45 °C.



#### 2. Mount Smoke Detector Backplate

**NOTE:** The alarm device should only be installed by a competent engineer or technician. Smoke detectors are not to be used with smoke detector guards unless the combination has been evaluated and found suitable for that purpose.

Once a suitable location is found, mount the detector backplate. Install the mounting base on the ceiling or on the wall (if local ordinances permit) using screw locations as required. Use the two screws and anchors provided. Maneuver the base so the screws are at the elbow of the screw slots and secure.



#### 3. Mounting

Fit the detector inside the base by aligning it over the base. The detector's alignment notch should be slightly offset from the mounting base tamper release tab. Then turn the detector clockwise until it clicks into place.

If there is a need to activate the built-in anti-tamper lock, carefully remove the breakaway tab on the backplace as shown in the following figure.



#### 4. Device Enrollment

The 7-digit serial number located on the back of the smoke detector housing must be enrolled on the alarm systems control panel. See the Receiver Installation Manual and follow the enrollment procedure. For placement tests remove the detector from its backplate for one second (tamper) and then reattach. Wait at least 30 seconds for the test result before activating again.

A general description of the procedure is provided in the following flow chart:

#### Step Procedure

- 1 See the Installation Manual for the alarm system that the device is being enrolled on, to ensure that the proper steps are used.
- 2 Enter the Device Enrollment option through the specified method and select the appropriate option to add the new device.
- 3 Enroll the device by inserting the batteries to power up the device and enter the Device ID. For example, ID No. 202-XXXX.
  - NOTE: When enrolling the PGx936 detector to DSC control panels (see Compatible Devices), the detector will be enrolled as a Smoke and Heat detector ID 201xxxx, and labeled Smoke and Heat in the panel.
- 4 Select the desired Zone Number.

- 5 Configure any device parameters that are required. Enter the **DEV SETTINGS** menu and select the required options to configure the detector:
- 6 Mount and test the detector. See Smoke Detector Unit Test for information on testing the device. In addition, see the alarm systems Installation Manual that the device is enrolled on for other test procedures that are required.

#### 5. Test Unit

**NOTE:** The central monitoring station if used, should be notified prior to the test being generated. This prevents a false alarm and an unnecessary response from the central monitoring station.

Initiate test by pressing the test button for 5 seconds minimum. Alarm activation is indicated by the flashing red LED, the sounder, and transmission of the alarm signal to the control panel. The detector restores to normal when the test button is released.

- NOTE: Allow a minimum of 20 seconds after power up and after test, alarm or tamper restore activations.
- NOTE: If the detector is in one of the following states when a test is initiated; it will not enter an alarm state:
  - Compensation Trouble
  - · Other internal faults that could prevent a smoke or heat alarm

## **Owner's Instructions**

#### Fire Safety In The Home

Most fires occur in the home, and to minimize this danger, it is recommended that a household fire safety audit be conducted and a family escape plan be developed.

#### Household Fire Safety Audit

- Are all electrical appliances and outlets in safe condition? Check for frayed cords, overloaded lighting circuits, etc. If you are uncertain about the condition of your electrical appliances or household service, have a professional evaluation.
- Are all flammable liquids safely stored in closed containers, and in a cool and well ventilated area? Cleaning the unit with flammable liquids should be avoided.
- 3. Are hazardous materials for example, matches out of the reach of children?
- Are furnaces and wood burning appliances properly installed, clean, and in good working order? If in doubt, have a professional evaluation.

#### Family Escape Planning

There is often very little time between the detection of a fire and the time it becomes deadly. Because of this, it is very important that a family escape plan be developed and rehearsed.

- Every family member should participate in the escape plan.
- Study the possible escape routes from each location within the house. Since many fires
  occur at night, special attention should be given to the escape routes from sleeping
  quarters.
- It is essential that escape from a bedroom be possible without opening the interior door. Consider the following when making your escape plans:
- Ensure that doors and windows that open to the outside are easily opened. Ensure that they are not painted shut and that the locking mechanisms operate smoothly.
- If opening or using the exit is too difficult for children, the elderly or handicapped, plans for their rescue should be developed. This plan includes making sure that those who are to perform the rescue can promptly hear the fire warning signal.
- If the exit is above the ground level, an approved fire ladder or rope should be provided, as well as training in its use.
- Exits on the ground level should be kept clear. Be sure to remove snow from exterior patio doors in the winter and that outdoor furniture or equipment does not block exits.
- The family should have a predetermined assembly point where everyone can be accounted for; for example, across the street or at a neighbor's house.
- Once everyone is out of the house, call the Fire Department.
- A good plan emphasizes a quick escape. Do not investigate first or attempt to fight the fire, and do not attempt to rescue belongings or valuables as this takes up time. Once outside, do not re-enter the house; wait for the Fire Department.
- Write the plan down and rehearse it frequently so that should an emergency ever arise, everyone will know what to do. Revise the plan as conditions change; for example, when there are more or fewer family members in the home or if there are changes to the house.
- Make sure your fire warning system is operational by conducting weekly tests. If you are
  unsure about system operation, contact your smoke detector installer or dealer.
- It is recommended that you contact your local Fire Department and request further information on home fire safety and escape planning. If available, have your local fire prevention officer conduct an in-house fire safety inspection.

## **Testing Your Smoke Detector**

Follow the test procedure described here or contact your smoke detector dealer or installer for testing instructions. It is recommended to test the entire alarm system at least once a week to verify the operation of all system functions.

#### **Smoke Detector Unit Test**

Initiate test by pressing the test button for 5 seconds, the sounder makes chirping noises during this time. Press the button until the unit alarm sounds, an alarm should be sent to the control panel. When the button is released, the alarm should cease. If this does not occur, ensure batteries are the correct type, in good condition and are installed correctly.

Upon completing the functional testing of the smoke detector, check the unit's sensing chamber to ensure proper operation. To test the sensing chamber, use an aerosol test gas such as 'Solo A10 smoke detector tester'. Shake the can well, aim it at the smoke detector and spray a short burst (no more than 1 second) at the detector. If the alarm does not sound, repeat every 10 seconds until alarm sounds or for a maximum of 1 minute. If the smoke detector does not function properly, call your smoke detector installer or dealer for service.

#### **Smoke Detector Test**

Before you test, complete the following steps:

- 1. Insert the battery and then mount the detector on the bracket before conducting the smoke detector test.
- After the battery is inserted, wait 2 minutes before testing it. The detector enters into Local Diagnostic Test Mode for 15 minutes.
- It is recommended to perform the Periodic Test and use either the Installer code (Installer Diagnostic Mode) or the User code (User Diagnostic Mode) to test.

#### CAUTION: The diagnostic test cannot be performed when the tamper is open.

Press and hold the test button for 2 seconds. When the button is released, the following sequence of events occur, the Red LED lights for 0.5 s > off for 0.5 s.

This is followed by 2 loud alarm beeps and at the same time the red LED flashes. In test mode, the detector tests smoke, heat, and battery functions.

If the detector is in diagnostic mode, the detector performs the diagnostic test as described below.

#### **Sensitivity Indicating Means**

If the detector is indicating 'Detector Dirty' with a Yellow LED flash every 8 seconds, a chirp every 48 seconds and a fire clean message on the panel, the detector's in built automatic drift compensation feature is no longer able to compensate for dust and dirt accumulation and may no longer be within the marked sensitivity. If the detector is indicating 'Normal' with Green LED flash every 60 seconds it is within the marked sensitivity range.

NOTE: If the panel dispays the fire clean message after cleaning, call the installer or dealer for service.

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#### **Diagnostic Test**

The following sequence of events occur during a diagnostic test:

A. The detector performs a link quality test.

Note: The detector must be in local or diagnostic mode to perform the link quality test. In diagnostic mode, if you press the test button for more than 6 seconds, an alarm message is sent to the panel and a Temporal-3 alarm signal is sounded. After this sequence is completed, the panel responds by sending an "Alarm in Memory" message to the device.

B. At the end of the diagnostic test the LED blinks three times. The following table indicates the received signal strength.

LED	Green LED	Orange LED	Red LED	No blinks
Response	blinks	blinks	blinks	
Reception	Strong	Good	Poor	Paired, no communicaton

**IMPORTANT!** Reliable reception must be confirmed. Therefore, "poor" signal strength is not acceptable. If you receive a "poor" signal from the device, re-locate it and re-test until a "good" or "strong" signal strength is received. For UL/CUL installations, the test results must be "strong". See the alarm systems installation guide for detailed diagnostic tests.

## **Owner's Maintenance**

The smoke detector is designed to require minimum maintenance. If the case becomes dusty, vacuum with a small brush attachment. If the case is greasy, wipe the case gently with a soft cloth slightly dampened with soapy water.

Never disassemble the smoke detector; there are no user serviceable parts inside the unit. You may only remove detector from backplate to replace batteries if not serviced by installer. When replacing the batteries, follow the instructions specified in the Installation Instructions.

Never paint the unit. Paint may prevent smoke from entering the unit. If you are planning renovations or repainting, take precautions to avoid dust, paint or chemical contamination to the detector.

If the unit is located in an area where it is exposed to high levels of dust or insects and causes false alarms, it may require service; contact your smoke detector installer or dealer.

Testing and maintenance procedures shall be in accordance with CAN/ULC-S552-14.

## Specifications

- Regulatory listings: UL268/ULC-S529 PG9936
- Diameter: 5 in (125 mm)
- Height: 2.5 in (63 mm)
- Weight (including battery): 8.75 oz (243 g)
- Color: White
- Spacing rating: 70 ft (21.3 m)
- Alarm sensitivity (threshold) PG9936 (cULus): 2.64 3.50 %/ foot obscuration
- Alarm sensitivity (threshold) PG4936 / PG8936: complies with EN14604
- Audible signal (ANSI Temporal 3): 85 dBA minimum in alarm
- Operating temperature: PG9936 40 °F 100 °F (4.4 °C 37.8 °C)
- Operating temperature with heat detector: 32 °F 100 °F (0 °C 37.8 °C)
- Operating temperature for smoke alarm:PG4936 41 °F 113 °F (5 °C 45 °C); Type A Photoelectric Smoke Alarm (Australia)
- Heat alarm: 135 °F (57 °C);
- Humidity: 15 % 90 % RH, non-condensing
- Approved batteries: EN: 3 AAA, Duracell MN2400.
- UL: 3 AAA, Energizer E92 or Duracell Procell PC2400.
- UL: 3 AAA, Energizer E92 or Duracell Procell PC2400.
- Battery life expectancy: 3 years
- Alarm silencing: PG4936 8 minutes automatically resettable
- Supervisory transmission frequency: PG4936 / PG8936 128 second intervals
- Maximum Tx power: 868.0 MHz 868.6 MHz: 14 mW/11.46 dBm, 868.7 MHz 869.2 MHz: 14 mW/11.46 dBm
- Low battery detection: Low battery 14 days remaining
- Modulation: GFSK
- Country of origin: Made in the USA

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Digital Security Controls warrants that for a period of twelve months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls ward as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

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Smoke Detectors: Smoke detectors that are a part of this system may not properly alert occupants of a fire for a number of reasons, some of which follow. The smoke detectors may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walks or roofs, or on the other side of closed doors. Smoke detectors may not detect smoke from fires on another level of the residence or building.

Every fire is different in the amount of smoke produced and the rate of burning. Smoke detectors cannot sense all types of fires equally well. Smoke detectors may not provide timely warning of fires caused by carelessness or safety hazards such as smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches or arson.

Even if the smoke detector operates as intended, there may be circumstances when there is insufficient warning to allow all occupants to escape in time to avoid injury or death.

Warning: Digital Security Controls recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

Important Information: Changes or modifications not expressly approved by Digital Security Controls could void the user's authority to operate this equipment.

## EUĹA

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DSC recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this SOFTWARE PRODUCT to fail to perform as expected.

## **Regulatory Information**

The smoke alarm PC9936/PC6936/PC64936 has a recommended service life of 10 years under normal conditions of use. Please refer to the label applied to the device indicating the recommended replacement year. For servicing the unit or replacement batteries please call your installation company that provided you with the alarm system.

NOTE: In Australia, the device shall not be installed in locations where the normal ambient temperature is lower than 41°F (5°C) or higher than 113°F (45°C).

This manual shall be used in conjunction with the Installation Manual of the alarm control panel. All the instructions specified within that manual must be observed.

#### FCC and IC Compliance Statement

CAUTION: Changes or modifications not expressly approved by Visonic could void your authority to use this equipment. The letters "IC:" indicate that this is an Innovation, Science and Economic Development Canada's certification number. This device complex with FCC Rules Part 15 and with Industry Canada licence-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.

For Industry Canada: 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) fappareil 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.

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

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada. CAN ICES-3 (B)/NMB-3(B)

WARNING To comply with FCC and IC RF exposure compliance requirements, the device should be located at a distance of at least 20 cm from all persons during normal operation. The antennas used for this product must not be co-located or operated in conjunction with any other antenna or transmitter.

Avertissement! 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 situés ou exploités conjointement avec une autre antenne ou transmetteur.

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:

#### FCC and ISED Canada Compliance Statement

This device complies with FCC Rules Part 15 and with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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

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#### Simplified EU declaration of conformity

Hereby, Tyco Safety Products Canada Ltd. declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following interment address: PG4936: http://dsc.com/dd/1709001 PG4936: http://dsc.com/dd/17090003

#### Frequency band

433.04 MHz - 434.79 MHz 868.0 MHz - 868.6 MHz 868.7 MHz - 869.2 MHz Maximum power 10 mW / 10 dBm 14 mW / 11.46 dBm 14 mW / 11.46 dBm

European single point of contact: Tyco Safety Products, Voltaweg 20, 6101 XK Echt, Netherlands UK single point of contact: Tyco Security Products, Unit 1, 3 & 4, Letchworth Industrial Estate, Works Road, Letchworth Garden Citv, Hertfordshire, SG6 1FF, UK

Notified Body BSI (2797) DSC, Toronto, Canada Smoke Alarm Device EN14604: 2005/AC:2008 2020 2797-CPR-713760 UK Notified Body BSI UK (0086) DSC, Toronto, Canada Smoke Alarm Device 2022 BS EN14604: 2005/AC:2008 0086-CPR-747172

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Tech Support: 1-800-387-3630 (Canada & U.S.) or 905-760-3000 • www.dsc.com

#### W.E.E.E. Product Recycling Declaration



c(VL)us

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/EC Waste Electrical and Electronic Equipment.