# PGPx979 Wireless Heat Detector Installation Guide

## Introduction

PGPx979 is a wireless heat detector with a fixed temperature, a rate of rise heat sensor, and an internal piezoelectric alarm. The device detects a rise in temperature due to fire. The heat detector is suitable for use in locations where a certain level of smoke is normal, for example in kitchens, and in areas where a dirty environment can cause false smoke alarms.

The reference to PGPx979 throughout this manual covers the models listed in the following table unless otherwise stated.

Model numbers and associated frequencies are outlined in the following table.

**Table 1: PGPx979 model numbers and frequencies**

| Model number | Frequency | Region |
|---|---|---|
| PGP9979 | 912-919MHz | North America, UL/ULC certified |
| PGP8979 | 868MHz | Europe, CE certified |

PGP9979 is the only UL/ULC certified model and it must be used in conjunction with UL/ULC certified compatible control panels: PowerSeries NEO, PowerSeris Pro, IQ Pro, IQ Pro P, Qolsys IQPanel4, IQ4 Hub, IQ4 NS.

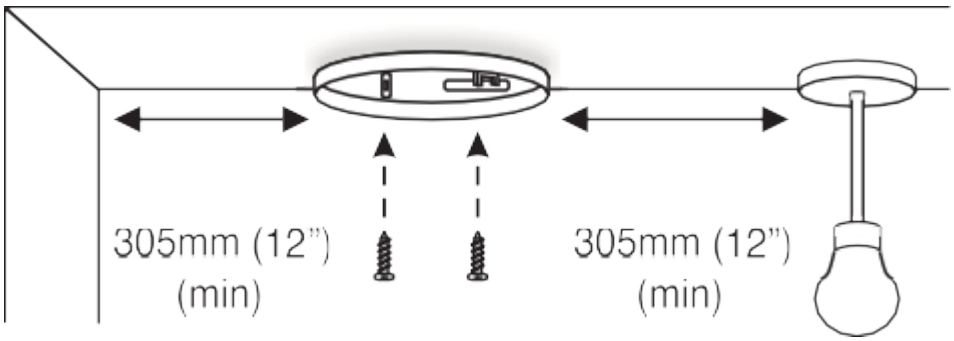
## Location and positioning

Use the following steps to mount your alarm.

For more detailed information about mounting, installing, and testing your alarm, see the relevant sections in this manual.

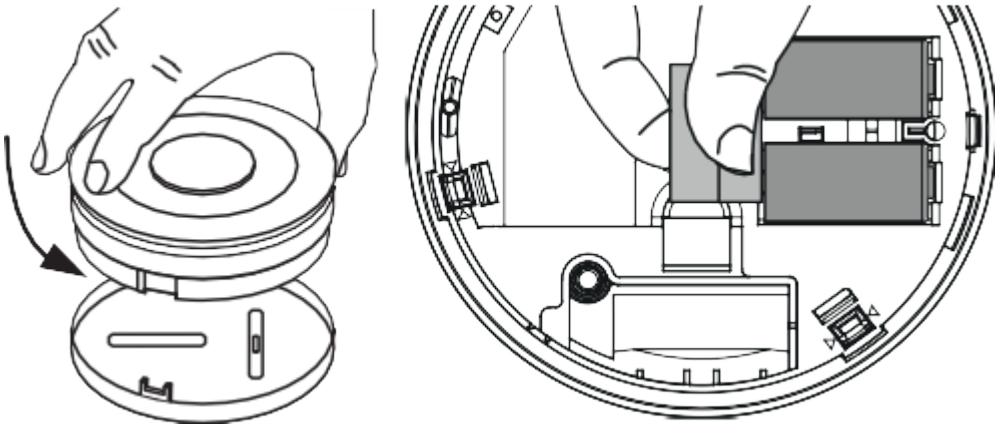
1. Locate where you want to mount your detector. Mount the detector centrally on the ceiling at least 305 mm (12 in.) from walls.
2. Attach the base plate to the ceiling.

**Figure 1: Mounting your detector**

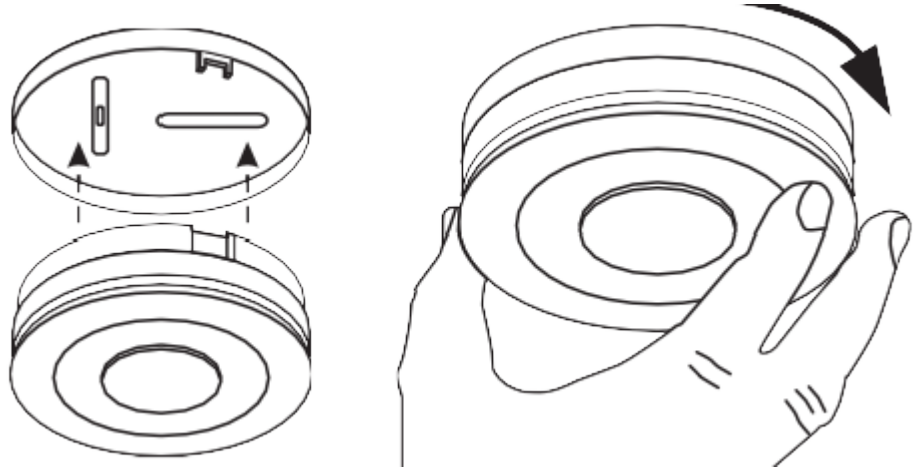



3. Insert the batteries.
   a. Enter Auto Learn. See Enrolling your device for steps.
   b. Detach the detector from the mounting plate. Refer to your control panel installation guide for more information.
   c. Remove the pull tab to connect the batteries and power the unit. When the device is recognized by the panel, customize the name and settings as desired and tap **Add**.

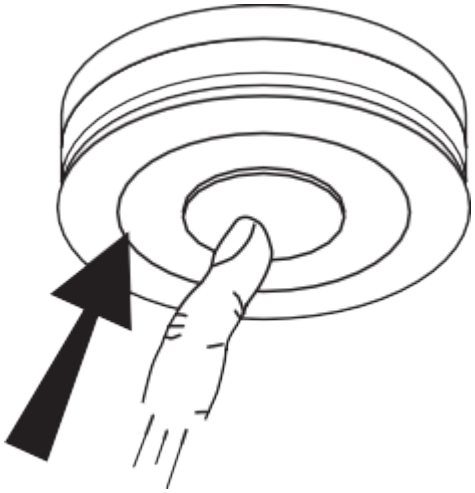
D-309751



4. Twist the detector back onto the base.



5. Press **Test** to test the detector. Test the alarm weekly.



## Heat detectors

Install your heat detector within 6.4 m (21 ft) of a potential fire to respond quickly. Install heat detectors where they can be heard throughout the property. A single heat detector gives some protection if it is correctly installed.

Most homes require two or more heat detectors, that are preferably interconnected, to ensure that they give a reliable early warning.

Install your first heat detector between the sleeping area and the most likely sources of fire, no more than 6.4 m (21ft) from the door to any room where a fire may start and block your escape from the house.

## National Fire Protection Association required protection

Where required by applicable laws, codes, or standards for the occupancy in the building, install approved single and multiple station heat detectors in the following areas:

1. In all bedrooms and guest rooms
2. Outside each separate sleeping area within 6.4 m (21 ft) of any door to a sleeping room
3. On every level of a dwelling unit, including basements
4. On every level of a residential board and care occupancy, including basement, and excluding crawl spaces and unfinished attics
5. In the living areas of a guest suite
6. In the living areas of a residential board and care occupancy

The required number of heat detectors might not provide reliable early warning protection for those areas separated by a door. Consider the use of additional heat detectors for those areas for increased protection. The additional areas include the basement, bedrooms, dining room, furnace room, utility room, and hallways not protected by the required heat detectors.

**Important:** Specific requirements for heat detector installation can vary. Check with your local fire department for current requirements in your area. Consult National Fire Alarm Code NFPA 72 and CAN/ULC-S524 or other department for current requirements in your area. Consult National Fire Alarm Code NFPA 72 or other appropriate national standards for installation recommendations. Refer to Section 29.11.4 and 17.6.3.

# Enrolling your device

Use the 7-digit ID on the side of your detector to enroll your detector on the detector system control panel. The following instructions apply only to the IQ Panel. For other panels, refer to the panel installation guide.

1. In the panel menu, select **Settings**.
2. Select **Advanced Settings** > **Installation** > **Devices**.
3. Select **Security sensors**, then select **Auto learn sensor**.
4. To power up the device, install the batteries.
5. **Optional:** To enroll the device manually, select **Add Sensor**, identify the seven digit device ID number on the device label, and manually enter it in the panel. It appears in the following format: ID: 206-XXXX.
6. On the panel, select **Confirm**.

   The PGPx979 enrolls with device ID 206-XXXX. If it does not enroll, enter fallback ID 202-XXXX manually. In fall back mode, it enrolls with device ID 202-XXXX. A supervisory message is transmitted at 128 second intervals for the device. If the signal is not received, the control panel reports that the detector is missing.

# Performing a unit test

**Note:** The device does not work when the tamper is open.

1. Press test/hush for 7 seconds minimum to initiate a test.

ⓘ **Note:** For the first 15 minutes after enrollment, press the Test/Hush button for any length of time to activate the alarm. In some cases, during diagnostics, the alarm can be triggered by a short press of the test/hush button.

2. Alarm activation is indicated by the flashing red radio LED, the sounder, and transmission of the detector signal to the control panel.
3. The detector returns to normal when you release the test button.

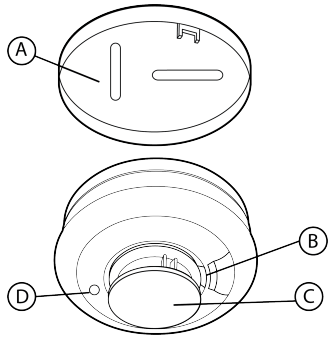
ⓘ **Note:** Allow a minimum of 20 seconds after power up and after test, alarm, or tamper restore activations.

# Performing a diagnostic test

Strong signal strength is required. Poor or good signal strength is not acceptable. If you receive poor or good signal from the device, relocate it and retest until you receive strong signal strength. For UL installations, the test results must be strong. See the detector system installation guide for detailed diagnostic tests.

1. Insert the batteries to complete a heat detector test.

**Figure 2: Detector parts**




| Callout | Description |
|---|---|
| A | Mounting plate |
| B | Sounder |
| C | Test/Hush button |
| D | LED |

2. After you insert the batteries, wait 2 minutes before you test. The detector enters into local diagnostic test mode for 15 minutes.
3. While in diagnostic mode, press the test/hush button (indicated by a red radio LED blinking for 1 second) to start a device self-test. To simulate an alarm press test/hush again to simulate an alarm transmission to the control panel.
4. The detector performs a link quality test,followed by the radio LED blinking 3 times. Table 2 shows the radio LED indication and signal strength:

**Table 2: Radio LED signal strength**

| LED Response | Green LED blinks | Orange LED blinks | Red LED blinks | No blinks |
|---|---|---|---|---|
| Reception | Strong | Good | Poor | Paired, no communication |

# Installation instructions for RF equipment

The maximum separation (range) of the detector from the compatible receiver/control panel combination (free space) is around 120 meters. However, this specified range is for comparative purposes only and is not applicable when the equipment is installed in a typical home. The range of the RF equipment is greatly impacted (reduced) by the building construction or any metallic bodies that are on the path of communication and are not visible on the outside. The proper location of the RF equipment is determined by strong signal strength as indicated in this manual. Upon completion of installation the system operation shall be tested as instructed in this manual.

# Installing your detector

**Note:** The back tamper is located under the batteries. The mounting plate cannot be closed unless the batteries are inserted, and the mounting plate cannot be installed if the back tamper is open.

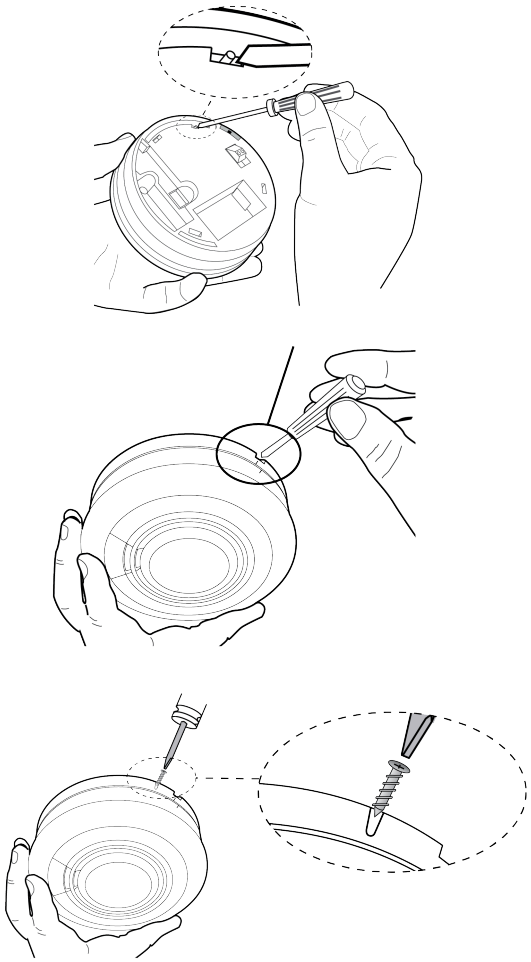
1. Select a location that aligns with the guidelines in: Location and positioning.
2. Lift off the mounting plate from the heat detector.
3. Place the mounting plate on the ceiling exactly where you want to mount the detector. With a pencil, mark the location of the two screw holes.
4. Taking care to avoid any electrical wiring in the ceiling, drill holes through the center of the marked locations with a 5.0 mm drill bit. Push the provided plastic screw anchors into the drilled holes. Screw the mounting plate to the ceiling.
5. Ensure you are in Auto Learn. See Enrolling your device for steps.
6. Insert the batteries, ensuring the orientation is correct. If the batteries are already installed in your detector, pull the battery tab to power the detector.
7. Rotate the detector anticlockwise. If you cannot twist off the detector, it may be tamper-proofed. See Figure 3.
8. Carefully line up the detector on the mounting plate, gently press home, and twist clockwise. Install all the other detectors similarly.
9. Press and hold the test/hush button for seven seconds on each detector to ensure that it sounds. Check that any interconnected detectors also sound within this period.

## Tamper proofing your detectors

To prevent unauthorized removal of the detector, you can make the detector tamper proof.

1. Break off the small plastic latch post on the base. See Figure 3.
2. To remove the detector from the ceiling, use a small screwdriver to release the catch. Push the catch toward the ceiling and then twist off the detector.

**Figure 3: Tamper proofing your detector**



3. If necessary, use a No.2 or No.4 self tapping screw to firmly lock the detector and the mounting plate together. The detector does not include a self tapping screw. Use a self tapping screw with the following dimensions: Diameter = 2 mm to 3 mm (1/8 in.). Length = 6mm to 8mm (1/4 in.)
4. Attach the detector to the mounting plate. Line up the screw on the “U” shaped recessed area and screw in firmly.
5. To remove the detector from the ceiling, remove the screw first, and then twist off anticlockwise.

## Checking your detectors work

To check that the installed detectors work, complete the following steps:

1. Sound the detectors in their intended locations, check that you can hear the detector in each room with the door closed, above the sound of any TV or audio systems.
2. Set the TV and audio systems to a reasonably loud conversation level. If you cannot hear the detector over the sound of the TV or audio system, it will not wake house occupants. Use the interconnect feature on your panel to ensure that the detector is heard throughout the property.

# Mounting your detector

To mount your heat detector, follow the guidelines listed below.

- Do not locate Heat Alarms directly above a sink or cooker. Keep at least 1m horizontal distance between these items and the heat detector.
- On smooth ceilings, install the heat detector within the strict limitations of their listed spacing. See Technical specifications for more information.
- On sloped ceilings with a rise greater than 1 ft in 8 ft (1 m in 8 m) horizontally, locate the heat detector within 36 in. (910 mm) of the peak.
- Base the spacing of additional heat detectors, if any, on a horizontal distance measurement, not on a measurement along the slope of the ceiling.
- Mount the heat detector on the ceiling at least 4 in. (100 mm) from a wall or on a wall with the top of the heat detector not less than 4 in. (100 mm), nor more than 12 in. (300 mm), below the ceiling.
- Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, mount the heat detectors on an inside wall.
- In rooms with open joists or beams, locate all ceiling-mounted heat detectors on the bottom of the joists or beams.
- Heat detectors installed on an open-joisted ceiling shall have their smooth ceiling spacing is reduced where this spacing is measured at right angles to solid joists; in the case of heat detectors, this spacing shall not exceed one-half of the listed spacing. See Technical specifications for more information.

## Fire safety information

When you use household protective devices, follow basic safety precautions.

- Rehearse emergency escape plans so everyone in the house is aware of what to do when the detector sounds.
- Use the detector test button to familiarize your family with the detector sound and practice fire drills regularly with all family members. Draw up a floor plan that shows at least 2 escape routes from each room in the house. Teach children how to escape, open windows, and use roll up fire ladders and stools without adult help. Make sure children know what to do if the detector goes off.
- Constant exposure to high or low temperatures or high humidity may reduce battery life.
- You can quickly silence nuisance alarms by fanning vigorously with a newspaper or similar to remove the heat. Alternatively, press **Test / Hush**.
- Do not attempt to remove, recharge, or burn the battery, as it may explode.
- If it is necessary to remove the battery for separate disposal, handle carefully to avoid eye damage or skin irritation if the battery leaks or is corroded.
- To maintain sensitivity to heat, do not paint or cover the detector in any manner; do not permit any accumulation of cobwebs, dust, or grease.
- If the detector is damaged in any way or does not function correctly, do not attempt to repair it. See Servicing your detector .
- This detector is intended only for residential premises.
- This detector is not a portable product. It must be mounted.
- Heat detectors are not a substitute for insurance. The supplier or manufacturer is not your insurer.
- Store petrol and other flammable materials in proper containers.
- Discard oily or flammable rags.
- Always use a metal fireplace screen and have chimneys cleaned regularly.
- Replace worn or damaged sockets, switches, home wiring, and cracked or frayed electrical cords and plugs.
- Do not overload electrical circuits.

- Keep matches away from children.
- Never smoke in bed. In rooms where you do smoke, always check under cushions for smoldering cigarettes and ashes. Ensure all electrical appliances and tools have a recognized approval label.
- Heat detectors are not to be used with detector guards unless the combination has been evaluated and found suitable for that purpose.
- This device cannot protect everyone at all times. It may not protect against the three most common causes of fatal fires:
  a. Smoking in bed
  b. Leaving children at home alone
  c. Cleaning with flammable liquids, such as petrol

# Planning your escape route

Use the following guidelines when you plan your escape route.

1. Check room doors for heat or smoke. Do not open a hot door. Use an alternate escape route. Close doors behind you as you leave.
2. If smoke is heavy, crawl out, staying close to floor. Take short breaths, if possible, through a wet cloth or hold your breath. More people die from smoke inhalation than from flames.
3. Get out as fast as you can. Do not stop to pack. Have a prearranged meeting place outside for all family members. Check everybody is there.
4. Call the fire brigade from a neighbor's house or mobile phone. Remember to give your name and address.
5. Never reenter a burning house.

# Limitations of heat detectors

There are various situations where a heat detector is not effective as follows:

- Fires where the victim is close to a flaming initiated fire, for example, when a person's clothes catch fire while cooking.
- Fires where the heat does not reach the heat detector due to a closed door or other obstruction.
- Incendiary fires where the fire grows so rapidly that an occupant's exit is blocked even with correctly located heat detectors.

# Servicing your detector

If your detector fails to work after you read Installing your detector, Testing, maintenance, and power supply monitoring, return to:

**TYCO 3301 LANGSTAFF CONCORD ON CANADA L4K 4L2**

State the nature of the fault, where the detector was purchased, and the date of purchase.

# Detector indicator summary

The following table contains definitions about detector indicators and device LED.

**Table 3: PGPx979 series indicator summary**

| Normal Operation | Action | Red LED | Yellow LED | Sounder |
|---|---|---|---|---|
| Power Up | Pull battery tab | 1 Flash | 1 Flash | Off |
| Standby | | Off | Off | Off |

**Table 3: PGPx979 series indicator summary**

| | | | | |
|---|---|---|---|---|
| Sensing Fire | | Rapid Flashing | Off | Full Sound |
| **Fault Mode** | **Action** | **Red LED** | **Yellow LED** | **Sounder** |
| Low Battery | | Off | 1 Flash every 48 sec | 1 Beep with 1 Flash |
| Device Sensor | | Off | 2 Flashes every 48 sec | 2 Beeps with 2 Flashes |
| End of Life | | Off | 3 Flashes every 48 sec | 3 Beeps with 2 Flashes |
| Silence Sounding detector | Press and Release Button | 1 Flash every 8 sec | Off | Off for 10 minutes |
| Silence End of Life indication (up to 30 days) | Press and Release Button | Off | Off for 72 hours | Off for 72 hours |
| **Test Mode** | **Action** | **Red LED** | **Yellow LED** | **Sounder** |
| Test heat detector | Press Button | Rapid Flashing | Off | Full Sound |
| **Detector Memory** | **Action** | **Red Led** | **Yellow LED** | **Sounder** |
| 24 Hour Memory | | 2 Flashes every 48 sec for 24 hours | Off | Off |
| Long Term Memory | Press and Hold Button | Rapid Flashing | Off | Rapid Chirping |

# Detector indicator definitions

## Normal Operation - Power Up

When the device powers up, the orange radio LED lights up for 1 second, indicating the device is starting and performing self tests. After a successful self test that indicates radio connection to the detector, the green radio led blinks for 2 seconds. If the device does not connect to the detector , the red radio led blinks continuously.

**Note:** The detector does not function when the tamper is open.

## Normal operation - Standby

In standby mode, there are no active visible or audible indications that can be intrusive to the householder. To confirm that the detector is operational, perform a weekly button test.

## Normal operation - Weekly button test

Press and hold the test button and verify that the red LED flashes rapidly and the detector ramps up to full sound.

## Normal operation - sensing fire

As soon as the detector senses heat, it goes into alarm (along with any interconnected detectors). The alarm LED on the detector sensing heat flashes rapidly to indicate this is the detector sensing heat / fire. Evacuate the building.

## Normal operation - silence false alarm

Occasionally heat detectors are activated by events other than fire. When you are sure the alarm is caused by a nuisance detector, press **Test/Hush** to silence the detector for 10 minutes. The alarm LED then flashes every 8 seconds for 10 minutes.

## Normal operation - false alarm in an interconnected system

In the case of a real fire, evacuate the dwelling. If the system responds to a recurring false alarm, identify the detector that causes the false alarm so you can clean or replace the detector. The detector that causes the false alarm is identified by a rapidly flashing alarm LED. See Normal operation - silence false alarm .

## Fault condition - low battery

The detector emits a short beep and the alarm LED flashes when the batteries are low. Check the date on the side of the detector to identify when the batteries are due to be replaced. When electronic self testing indicates that the batteries are low, the detector beeps and the alarm LED flashes at the same time every 48 seconds to warn the user. Replace the batteries as soon as possible. See Replacing batteries.

# Testing, maintenance, and power supply monitoring

Your detector is a life saving device. Test the detector immediately after installation and at least once a year.

If you hold **Test/Hush** for more than 7 seconds, a red radio LED blinks for 2 seconds and a heat alarm occurs. This alarm is sent to the panel, so you can test the entire reporting path.

ⓘ **Note:** Notify the central station when the heat detector is undergoing tests so they do not dispatch authorities.

After you enroll the device, verify adequate signal strength by conducting a sensor test with the device in the mounting location. See the control panel user manual for more information. Adjust the device location and orientation as necessary.

## Manually testing your detectors

Test your detectors after they are installed and then at least once a year to ensure the units are working. To manually test your detectors, complete the following steps:

1. Press and hold **Test/Hush** until the detector sounds and the red light flashes. The detector stops sounding shortly after you release the button.
2. Repeat this procedure for all other detectors in the system.

   Do not test with a flame. This can set fire to the detector and damage the house. Do not test with smoke as the results can be misleading unless you use specialized equipment.

## Using the Test/Hush button

The heat detectors have a Test/Hush button to control nuisance or false alarms.

When the detector sounds, if there is no sign of heat or noise to indicate that there is a fire, assume that it is due to an actual fire. Evacuate the dwelling immediately. If there are frequent false alarms, relocate the heat detector away from the source of the fumes.

1. To cancel a false alarm from a heat detector, press **Test/Hush**. The heat detector switches to a reduced sensitivity condition.

   The heat detectors are silenced for a period of approximately 10 minutes. The alarm LED on the cover of the heat detector flashes every 8 seconds to indicate that the unit is silenced.
2. The heat detector resets to normal sensitivity at the end of the 10 minute silence period. If additional time is required, push **Test/Hush** again.
3. Use a heat detector in the kitchen area to avoid nuisance alarms.

## Replacing batteries

When the device battery power is low and replacement is necessary, the heat detector beeps and the yellow light flashes at the same time once every 48 seconds for at least 30 days. Replace the batteries, ensuring the orientation is correct, as soon as possible.

When you replace the batteries,ensuring the orientation is correct, press **Test/Hush** to check that the detector is functioning correctly.

ⓘ **Note:** Replace the batteries if the detector does not sound when you press **Test/Hush**.

⚠ **CAUTION:** Dispose of used batteries promptly. Keep away from children. Do not disassemble or recharge and do not dispose of in fire.

⚠ **WARNING:** Constant exposure to high or low temperatures or high humidity may reduce battery life. Use only Panasonic CR123A Batteries. If you use a different battery, it may have a detrimental effect on detector operation. Heat detectors are intended for use at ordinary temperatures where anticipated temperatures are not expected to exceed 100°C (212°F). Prolonged periods of alarm will also reduce battery life. The battery used in this device may present a fire or chemical burn hazard if mistreated.

## End of life

Replace the entire detector if the unit was installed more than 10 years ago. Check the expiry date on the side of the detector.

Before the detector is discarded, remove from the mounting plate and disconnect the batteries.

⚠ **WARNING:** Do not dispose of your detector in a fire.

Dispose of your detector in a safe and environmentally sound manner at your local recycle center. Contact your local authority for further advice.

# Technical specifications

For PGPx979 technical specifications, see Table 4.

**Table 4: Technical specifications**

| | |
|---|---|
| Power | 2 X Panasonic 3V CR123A Lithium Batteries. |
| Test/hush button | Checks sensors, electronics, interconnection, battery and sounder. If unit is in alarm when pressed, it silences the detector for 10 min. Press the Test button to silence fault chirps for 12 hours. |
| Operating Temperature | PGP9979(UL): 4.4°C to 48.8°C (40°F to 120°F)<br>PGP8979 (CE) Normal: -10°C to 40°C (Storage: -10°C to 40°C) |
| Humidity Range | 15% to 95% R.H. (non-condensing) |
| Audible detector | >85dB(A) at 3m (10ft) minimum |
| Current Drain | Typical 20µA Standby |
| Heat Sensor Fixed Rating | PGP9979: 57ºC +/- 2ºC (135°F +/- 5°F) /PGP8979:58C+/-4C |
| Heat Sensor Rate of Rise | >40ºC (104ºF) 8.3ºC (15ºF) every minute |
| Dimensions | 120mm (4.7”) x 46mm (1.8”) |
| Weight (grams) | 210g (0.46 lbs) |
| Detector life | Ten years from the manufacturing date |
| Battery life | Up to six year under normal usage<br>Up to one year under normal usage for PGP9979 (UL) |
| Accessories | Supplied with mounting plate, screws, and wall plug |
| Maximum UL spacing | 50 ft (15.2 m) x 50 ft (15.2 m) |

# Troubleshooting

For guidance around investigating problems with your detector, see the following troubleshooting topics to restore your detectors to normal operation:

## The detector does not sound when you press Test/Hush

1. Check how old the detector is. See the **Replace by** label on side of detector.
2. If necessary, replace the battery or batteries with Panasonic CR123A batteries.

## Detectors sound for no apparent reason

1. If you enroll your detector and the interconnect feature is enabled, refer to your control panel to detect which device is causing the alarm.
2. Press **Test/Hush** on the heat detector causing the alarm. You can identify the detector in alarm by the the alarm LED flashing rapidly. This silences the heat detector and all other interconnected detectors in the system for 10 minutes.

## Radio red LED blinks persistently

The radio red LED blinks persistently to indicate a connection issue between the radio and the detector head.

1. Power off: Remove the batteries to turn off the detector.
2. Reconnect: Carefully detach the radio unit from the detector head. Then, securely reconnect them.
3. Power on: Reinsert the batteries to power the detector back on.

# Regulatory information

The heat detector PGPx979 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 DSC 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 PGP9979 complies 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) 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 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 PGP9979 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:

- 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.

**Simplified EU declaration of conformity**

Hereby, Tyco Safety Products Canada Ltd. declares that the radio equipment type PGP8979 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

PGP8979: http://dsc.com/pdf/2503003

PGP4979: http://dsc.com/pdf/2505002

| Frequency band | Maximum power |
|---|---|
| 868.0 MHz - 868.6 MHz | 14 mW / 11.46 dBm |
| 868.7 MHz - 869.2 MHz | 14 mW / 11.46 dBm |

European single point of contact: Tyco Safety Products, Voltaweg 20, 6101 XK Echt, Netherlands

**Product Certification**

PGPx979 complies with the following standards:

| | |
|---|---|
| PGP9979 | **FCC (912 to 919 MHz)**: 47CFR part 15.247<br>**ISED Canada (912 to 919 MHz)**: RSS-247<br>**UL/ULC**: UL521, ULC-S530 |
| PGP8979 | EN 300220, EN 301489, EN 61000-6-3, EN 62368-1, BS5446-2 |

CE

PGP8979

Heat Detector Classification A1
Alarms at 58ºC +/- 4ºC

KM xxxxx
BS 5446-2:2003

### UL/ULC notes

PGP9979 has been listed by UL/ULC for commercial and residential burglary applications in accordance with the requirements in the Standards for contacts and switches. For UL/ULC installations use this device only in conjunction with compatible wireless receivers. After installation, verify the product functionality in conjunction with the compatible receiver used.

### Safety Instructions

Read the safety information before you install the equipment.

The 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).

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

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

| **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.<br>Directive 2012/19/EU Waste Electrical and Electronic Equipment. |

# Warranty and EULA

To download the Warranty EULA for this product, scan the QR code:

To download the EULA for this product, scan the QR code:

Website: www.dsc.com

Tech. support: 1-800- 387-3630