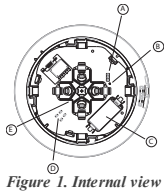
tyco

D-307204

The PGx872 is a smart wireless ceiling PIR presence/security detector (selected mode) that creates a 360° coverage area to detect the movement of intruders in indoor areas.
The detector has the following features.

- Presence detection mode - active 15 minutes after installation (power-up).
- Built-in link quality indicators eliminate the need for the installer to physically approach the control panel and reduce installation time.
- The device supports temperature and light level reports to compatible alarm systems that support temperature and light sensors.
- Tamper protection.
- PowerG two-way Frequency Hopping Spread Spectrum FHSS-TDMA technology.
- The Advanced True Motion Recognition™ algorithm (patented) distinguishes between the true motion of an intruder and any other disturbances which may cause false alarms.

**NOTE:** For UL installations, the detector is for use with UL listed control units only.



**A** LEDs
**B** Light sensor
**C** Battery
**D** Tamper protection
**E** Pyro sensors

*Figure 1. Internal view*

### Inserting or replacing the battery

If the battery is already installed, pull the isolation strip that protrudes from the back of the detector.

1. To separate the detector from the mounting bracket, rotate the bracket anti-clockwise and pull it from the detector.
2. Insert the battery while observing polarity.
3. Align the bracket tabs with the detector slots and rotate the detector clockwise to verify that it is securely attached.

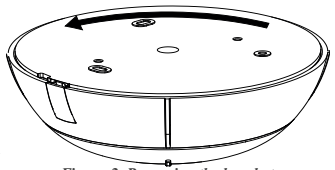


*Figure 2. Removing the bracket*

**NOTE:** It is recommended to wait about 1 minute after battery removal before inserting the new battery.
**Caution!** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the manufacturer's instructions and according to local rules and regulations.

### Enrollment

Refer to the panel installation manual for the enrollment procedure. 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 either holding the enroll button until the enrollment is detected, or by entering the Device ID. |
| 4 | Select the desired Zone Number. |
| 5 | Configure any device parameters that are required. |
| 6 | Mount and test the detector. See ***Walk testing / local diagnostic testing*** 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. |

**NOTE:** If the detector is already enrolled, you can configure the detector parameters by programming the system, see the alarm systems installation manual for more information about device parameters.

**NOTE:** When enrolling the PGx972 detector to wireless panels (WP80XX) with version 19.4 or lower, the detector will be enrolled as motion detector, ID 120-xxxx, and labelled 'Motion Sens' in the panel.

### Installation tips

Use the following as a guide for locating a suitable mounting location.

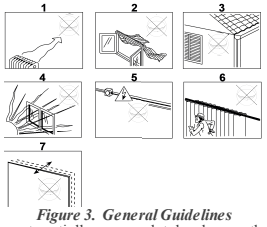



*Figure 3. General Guidelines*

WARNING! Do not partially or completely obscure the detector's field of view.
WARNING! To comply with FCC and ISED Canada RF exposure compliance requirements, the PIR detector 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.

**NOTE:** The PGx872 Wireless ceiling PIR presence/security detector shall be installed and used within an environment that provides the pollution degree max 2 and overvoltages category II in NON HAZARDOUS LOCATIONS. The equipment is designed to be installed only by qualified service persons.

**NOTE:** PGx872 shall be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, UL 1641.

### Walk testing / local diagnostic testing

Before permanently mounting any wireless device, temporarily mount the device and perform a walk test. Perform a walk test of the coverage area at least once a week to ensure that the detector is working correctly.
After inserting the battery or closing the bracket, the detector will automatically enter a stability period where the LED flashes RED for 90 seconds. Walk test the coverage area, the LED lights red each time your motion is detected followed by 3 LED blinks. The color of the 3 LED blinks indicate the received signal strength. In walk-test mode, regardless of the LED Selection status, the LED lights upon every motion detection. After 15 minutes the detector automatically enters normal mode.
The following table indicates the received signal strength.

| LED Response | Signal Strength |
|---|---|
| 3 green LED blinks | STRONG |
| 3 orange LED blinks | GOOD |
| 3 red LED blinks | POOR |
| No blinks | No communication |

**IMPORTANT!** Only GOOD or STRONG signal strengths are acceptable. If you receive a POOR signal from the device, re-locate it and re-test until a GOOD or STRONG signal is received.

**NOTE:** For UL/ULC installations, only STRONG signal levels are acceptable. After installation verify the product functionality in conjunction with the compatible control panels HSM2HOST9, HS2LCDRF(P)9, HS2ICNRF(P)9, PG9920, WS900-19, and WS900-29.

**NOTE:** For detailed Placement instructions refer to the control panel reference manual.
Walk-test the coverage area by walking across the far end of the coverage pattern in both directions. The red LED lights each time your motion is detected followed by a steady LED signal strength indication.

### Mounting the device

1. Mark and drill two holes in the mounting surface. If you install tamper protection on the detector, mark and drill one hole for the tamper protection and one hole for one of the other available slots (see Figure 4).
2. Fasten the bracket to the mounting surface with the two screws.
3. Align the bracket tabs with the detector slots and rotate the detector clockwise. Verify that it is securely attached (see Figure 5).
4. Fasten the detector to the bracket with the screw (see Figure 6).

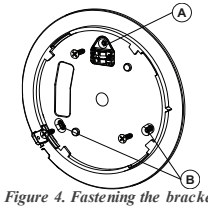



*Figure 4. Fastening the bracket*

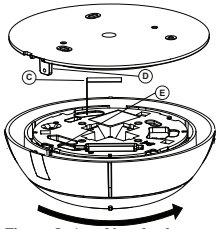
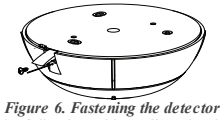



*Figure 5. Attaching the detector*



**A** Tamper protection
**B** Bracket screw slots
**C** Isolation strip
**D** Bracket tabs
**E** Detector slots

*Figure 6. Fastening the detector*

The following table outlines the detection distance in relation to the mounting height.

| Height | 2 m 6.6 ft | 3 m 9.8 ft | 4 m 13.1 ft | 5 m 16.4 ft | 6 m 19.7 ft |
|---|---|---|---|---|---|
| Radius detection distance | 3.1 m 10.2 ft | 3.75 m 12.3 ft | 4.5 m 14.8 ft | 6.5 m 21.3 ft | 10 m 32.8 ft |

### LED Operation

| LED Indications | Event |
|---|---|
| Red LED blinks | Stabilization (warm-up 90 seconds) |
| Red LED on 0.2 seconds | Tamper open/close |
| Red LED on 2 seconds | Intruder alarm |

For instructions on displaying the temperature of zones on the correct panel as measured by the PGx872, refer to the panel installation guide.

**GENERAL**
**Detector Type**
Four pyroelectric sensors operating in a dual separated configuration
**OPTICAL**
**Lens Data**
Fresnel type lens.
Number of beams: 120
**Max. coverage**
Ø20 m/360° at the maximum installation height of 6 m (19.7 ft)

**ELECTRICAL**
**Power Supply:** Type C
**Internal Battery**
3V Lithium battery, type CR-123A. For UL installations, use Panasonic and GP only
**Nominal Battery Capacity:** 1450 mAh
**Battery Life (typical use)**
Minimum 1 year. For typical use (security mode), 3 years (not verified by UL).
**Low Battery Threshold:** 2.6 V

**NOTE:** Inability to connect with wireless network, or wireless link quality no higher than 20% may significantly reduce the expected battery life.

**Battery Power Test**
Performed immediately upon battery insertion and periodically after every several hours.
The power supply is type C in accordance with EN 50131-6 Documentation – Clause 6.
**Current Consumption**
30 µA average quiescent , maximum 150 mA (during transmission)

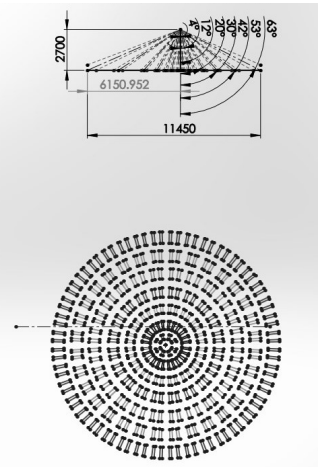



*Figure 7. Beam distribution at 2.7 m (8.9 ft)*

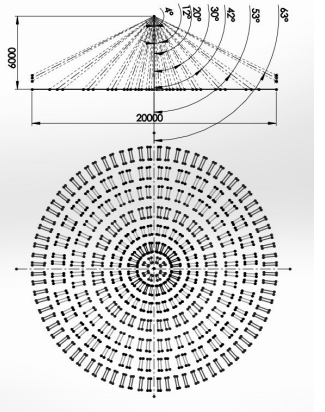



*Figure 8. Beam distribution at 6 m (19.7 ft)*

**FUNCTIONAL**
**True Motion Event Verification**
2 remote selections at panel
**Alarm Period:** 2 seconds
**WIRELESS**
**Frequency**
Europe and rest of world: 433-434 MHz, 868-869 MHz USA: 912-919 MHz
**NOTE:** Only devices in frequency band 915 MHz are UL/ULC listed.
**Communication Protocol:** PowerG
**Supervision:** Signaling at 256 s intervals
**Tamper Alert**
Reported when a tamper event occurs and in any subsequent message, until the tamper switch is restored.
**MOUNTING**
**Height:** 2 m to 6 m (6.6 ft to 19.7 ft)
**Installation Options:** Ceiling surface

## ENVIRONMENTAL

**RF Immunity**
20 V/m up to 1000 MHz, 10 V/m up to 2700 MHz
**Operating Temperatures**
-10 °C to 50 °C (14 °F to 122 °F).

**NOTE:** UL verified operation range 0 °C to 49 °C only.

**Storage Temperatures**
-20 °C to 60 °C (-4 °F to 140 °F).
**Humidity**
Average relative humidity of up to approximately 75% non-condensing. For 30 days per year the relative humidity may vary between 85% and 95% non-condensing.
For UL installations: 5% to 93% with no condensation

## PHYSICAL

| | |
|---|---|
| **Size (diameter):** | 15 cm (5.9 in) |
| **Weight (with battery):** | 110 g (3.88 oz) |
| **Color:** | White |

## COMPATIBLE RECEIVERS

This device can be used with DSC panels and receivers that use PowerG technology.

**NOTE:** Only devices operating in band 912-919MHz are UL/ULC listed.

## UL/ULC Notes

Only model PG9872 operating in the frequency band 912-919MHz is UL/ULC listed. The PG9872 has been listed by UL for commercial and residential burglary applications and by ULC for residential burglary applications in accordance with the requirements in the Standards UL 639 and ULC-S306 for Intrusion Detection Units.
For UL/ULC installations use these device only in conjunction with compatible DSC wireless receivers: HSM2HOST9, HS2LCDRF(P)9, HS2ICNRF(P)9, PG9920, WS900-19, and WS900-29. After installation verify the product functionality in conjunction with the compatible receiver used.

## FCC COMPLIANCE STATEMENT

WARNING! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device 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 residential installations. 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 and television reception. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:
– Re-orient or re-locate the receiving antenna.
– Increase the distance between the device and the receiver.
– Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.
– Consult the dealer or an experienced radio/TV technician.
FCC ID: F5318PG9872

## Innovation Science and Economic Development Canada (ISED)

### Statement

This equipment complies with FCC and ISED Canada RF radiation exposure limits set forth for an uncontrolled environment.
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 harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.
Le present appareil est conforme aux CNR d'ISED Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes :(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.
IC: 160A-PG9872

CE Europe: CE/EN (EN50131-2-2 GRADE 2, CLASS II, EN50131-6 Type C) listed PG8872: 868 MHz PG4872: 433 MHz.

According to EN 50131-1, this equipment can be applied in installed systems up to and including Security Grade 2, Environmental Class II. UK: The PG8872 is suitable for use in systems installed to conform to PD6662 at Grade 2 and environmental class 2 BS8243. The Power G peripheral devices have two-way communication functionality, providing additional benefits as described in the technical brochure. This functionality has not been tested to comply with the respective technical requirements and should therefore be considered outside the scope of the product's certification.

### 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 internet address:
PG4872: http://dsc.com/pdf/1710003
PG8872: http://dsc.com/pdf/1710004

| Frequency band | Maximum power |
|---|---|
| 868.0 MHz - 868.6 MHz | 10 mW |
| 868.7 MHz - 869.2 MHz | 10 mW |

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

### Limited Warranty

Digital Security Controls (DSC) 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 fulfilment of any breach of such warranty, DSC shall, at its option, repair or replace the defective equipment upon return of the equipment to its factory. 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 DSC such 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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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.
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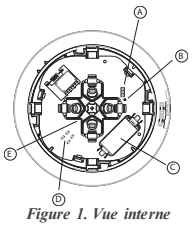
The term IC before the radio certification number signifies that the Industry Canada technical specifications were met. This Class B digital apparatus complies with Canadian ICES-003. This device complies with RSS-247 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Ce dispositif satisfait aux exigences d'Industrie Canada, prescrites dans le document CNR-247. son utilisation est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.
Le PGx872 est un détecteur PIR sans fil de présence/sécurité intelligent pour plafond (mode sélectionné) qui crée une zone de couverture de 360° pour détecter le mouvement des intrus en intérieur.
Le détecteur présente les caractéristiques suivantes.

- Mode Détection de présence – Actif 15 minutes après l'installation (mise sous tension).
- Les indicateurs intégrés de qualité de la liaison évitent à l'installateur de devoir se trouver à proximité physique de la centrale et réduisent le temps d'installation.
- L'appareil assure une fonction de signalement du niveau de température et de lumière aux systèmes d'alarme compatibles prenant en charge les capteurs de température et de lumière.
- Auto-protection.
- Technologie bidirectionnelle Power-G Frequency Hopping Spread Spectrum FHSS-TDMA.
- L'algorithme avancé True Motion Recognition™ (breveté) fait la distinction entre les mouvements réels d'un intrus et toute autre perturbation susceptible de déclencher de fausses alertes.

**REMARQUE :** Pour les installations certifiées, le détecteur ne doit être utilisé qu'avec des unités de contrôle certifiées UL.




**A** Voyants
**B** Détecteur de lumière
**C** Pile
**D** Auto-protection
**E** Capteurs pyroélectriques

*Figure 1. Vue interne*

### Insertion ou remplacement de la pile

Si la pile est déjà en place, tirez sur la languette d'activation dépassant à l'arrière du détecteur.

1. Pour détacher le détecteur du support de montage, faites tourner le support dans le sens contraire des aiguilles d'une montre et extrayez-le du détecteur.
2. Insérez de la pile en orientant convenablement les pôles.
3. Alignez les pattes du support sur les encoches du détecteur et faites tourner le détecteur dans le sens des aiguilles d'une montre pour vous assurer qu'il est solidement fixé.

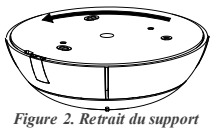


*Figure 2. Retrait du support*

**REMARQUE :** si vous utilisez une vis pour fixer le détecteur au support, retirez-la, remplacez la batterie en orientant correctement les pôles et fixez le détecteur au support avec la vis.

**REMARQUE :** Il est conseillé d'attendre 1 minute après le retrait de la pile avant d'en insérer une neuve.
**Avertissement !** risque d'explosion si vous remplacez la pile par une pile de type incorrect. Mettez les piles usagées au rebut en suivant les instructions du fabricant et conformément aux règles et réglementations locales.

### Enregistrement

Pour des informations détaillées sur la procédure d'enregistrement, consultez le manuel d'installation de la centrale.
Une description générale de la procédure est indiquée dans le tableau suivant :

| Étape | Procédure |
|---|---|
| 1 | Consultez le manuel d'installation du système d'alarme dans lequel l'appareil est enregistré afin de suivre la procédure adéquate. |
| 2 | Utilisez la méthode préconisée pour accéder à l'option d'enregistrement de l'appareil et sélectionnez l'option correspondante pour ajouter un nouvel appareil. |
| 3 | Enregistrez l'appareil en maintenant la pression sur le bouton jusqu'à ce que l'enregistrement soit détecté ou en saisissant |

l'ID de l'appareil.

4 Sélectionnez le Numéro de zone voulu.

5 Configurez les paramètres nécessaires de l'appareil.

6 Montez et testez le détecteur. Pour savoir comment tester l'appareil, consultez la section ***Test de déplacement / Test de diagnostic local***. Consultez également le manuel d'installation des systèmes d'alarme dans lesquels l'appareil est enregistré pour connaître la procédure à suivre.

**REMARQUE :** Si le détecteur est déjà enregistré, vous pouvez configurer ses paramètres en programmant le système. Pour plus d'informations sur les paramètres de l'appareil, consultez le manuel d'installation des systèmes d'alarme.

**REMARQUE :** lors de l'enregistrement du détecteur PGx972 dans les centrales sans fil (WP80XX) dotées de la version 19.4 ou inférieure, celui-ci est enregistré en tant que détecteur de mouvements (ID 120-xxxx) et identifié par 'PERIF IR' dans la centrale.

### Conseils d'installation

Utilisez les informations suivantes pour identifier un emplacement de montage adapté.

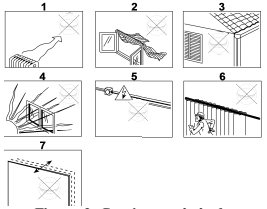



*Figure 3. Consignes générales*

ATTENTION ! N'obstruez pas, totalement ou partiellement, le champ de vision du détecteur.

ATTENTION ! Pour des raisons de conformité aux normes d'exposition aux fréquences radio FCC et ISED Canada, le détecteur PIR doit être distant d'au moins 20 cm de toute personne, en conditions de fonctionnement normales. Les antennes utilisées pour ce produit ne doivent pas être positionnées dans un même espace, ni utilisées avec une autre antenne ou émetteur.

**REMARQUE :** Le PGx872 Détecteur PIR sans fil de présence/sécurité pour plafond sera installé et utilisé dans un environnement non dangereux où le niveau de pollution est inférieur à 2 et où il est exposé à des tensions de catégorie II. L'équipement est conçu pour être installé par du personnel de maintenance qualifié uniquement.

### Test de déplacement / Test de diagnostic local

Avant d'installer un appareil sans fil de manière définitive, montez l'appareil provisoirement et procédez à un test de déplacement. Exécutez un test de déplacement dans la zone de couverture au moins une fois par semaine pour vous assurer que le détecteur fonctionne correctement.

Après avoir inséré la pile ou fermé l'appareil, le détecteur entre automatiquement dans une phase de stabilité pendant laquelle le voyant ROUGE s'éclaire pendant 90 secondes. Marchez dans la zone. Le voyant rouge s'éclaire à chaque fois que votre mouvement est détecté, puis clignote trois fois. La couleur des trois clignotements indique la puissance du signal reçu.

Le tableau ci-dessous indique la puissance du signal reçu.

| Voyant | Puissance du signal |
|---|---|
| Voyant vert clignotant | FORT |
| Voyant orange clignotant | BON |
| Voyant rouge clignotant | FAIBLE |
| Aucun clignotement | Pas de comm. |

**IMPORTANT !** Seul un signal BON ou FORT est acceptable. Si vous recevez un signal FAIBLE de l'appareil, changez-le d'emplacement et recommencez les tests jusqu'à obtenir un signal BON ou FORT.

**REMARQUE :** Pour les installations conformes UL/ULC, seul un signal FORT est acceptable. Après l'installation, vérifiez le fonctionnement du produit avec les centrales HSM2HOST9, HS2LCDRF (P)9, HS2ICNRF(P)9, PG9920, WS900-19, and WS900-29. compatibles.

**REMARQUE :** Pour des instructions de positionnement détaillées, consultez le manuel de référence de la centrale.

En mode de test de déplacement, quel que soit le statut de sélection des voyants, le voyant s'éclaire à chaque fois qu'un mouvement est détecté. Effectuez le test de déplacement dans toute la zone de couverture en traversant d'un bout à l'autre la zone, dans les deux directions. Le voyant rouge s'éclaire à chaque fois que votre mouvement est détecté, puis le voyant d'indication de la puissance du signal s'éclaire. Au bout de 15 minutes, le détecteur passe automatiquement en mode normal.

### Montage de l'appareil

1. Marquez et percez deux trous dans la surface de montage. Si vous installez l'autoprotection sur le détecteur, marquez et percez un trou pour l'autoprotection et un trou pour une des autres encoches disponibles.
2. Fixez le support à la surface de montage avec deux vis.
3. Alignez les pattes du support sur les encoches du détecteur et faites tourner le détecteur dans le sens des aiguilles d'une montre. Vérifiez qu'il est solidement fixé.
4. Fixez le détecteur au support avec la vis.

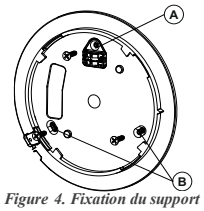



*Figure 4. Fixation du support*

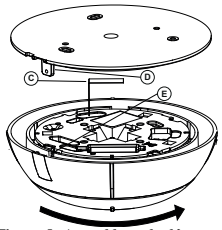



*Figure 5. Assemblage du détecteur*

**A** Auto-protection
**B** Orifices pour vis du support
**C** Languette d'isolation
**D** Pattes du support
**E** Encoches du détecteur

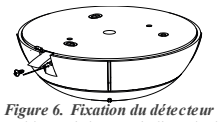


*Figure 6. Fixation du détecteur*

Le tableau ci-dessous indique la distance de détection en fonction de la hauteur de montage.

| Hauteur | 2 m 6,6 ft | 3 m 9,8 ft | 4 m 13,1 ft | 5 m 16,4 ft | 6 m 19,7 ft |
|---|---|---|---|---|---|
| Rayon de détection | 3,1 m 10, 2 ft | 3,75 m 12,3 ft | 4,5 m 14,8 ft | 6,5 m 21,3 ft | 10 m 32,8 ft |

**REMARQUE :** Détection certifiée UL/ULC uniquement lorsque son rayon est de 3,35 m et que l'appareil est installé à une hauteur de 2,75 m.

### Activité de la LED

| Signaux lumineux | Événement |
|---|---|
| Voyant rouge clignotant | Stabilisation (préparation 90 sec) |
| Voyant rouge allumé 0,2 sec. | Ouverture/fermeture autoprotection |
| Voyant rouge allumé 2 sec. | Alerte intrusion |

Pour savoir comment afficher sur la centrale adéquate la température des zones, mesurée par le détecteur PGx872, consultez le guide d'installation de la centrale.

## GÉNÉRALES

**Type de détecteur**
Quatre capteurs pyroélectriques fonctionnant dans une configuration séparée double

## OPTIQUE

**Lentille**
Lentille de type Fresnel.
Nombre de faisceaux : 120
**Couverture max**
Ø20 m/360° à la hauteur maximale d'installation de 6 m (19,7 ft)

## CARACTÉRISTIQUES ÉLECTRIQUES

**Alimentation :** Type C

**Pile interne**
Pile Lithium 3V type CR-123A. Pour les installations certifiées UL, utilisez uniquement une pile Panasonic ou GP

**Capacité nominale de la pile :** 1450 mAh

**Autonomie (utilisation courante)**
1 an minimum. Dans le cadre d'une utilisation courante (mode sécurité), 3 ans (non vérifié par UL).

**Seuil pile faible :** 2,6 V

**REMARQUE :** L'incapacité à se connecter au réseau sans fil, ou une qualité de réception sans fil inférieure à 20 % peut réduire considérablement la durée de vie de la pile.

**Test de la pile**
Effectué immédiatement après l'insertion de la pile et régulièrement toutes les quelques heures.
L'alimentation est de type C, conformément à la Documentation EN 50131-6 – Clause 6.

**Consommation électrique**
Consommation moyenne au repos 30 µA, 150 mA maximum (en transmission)

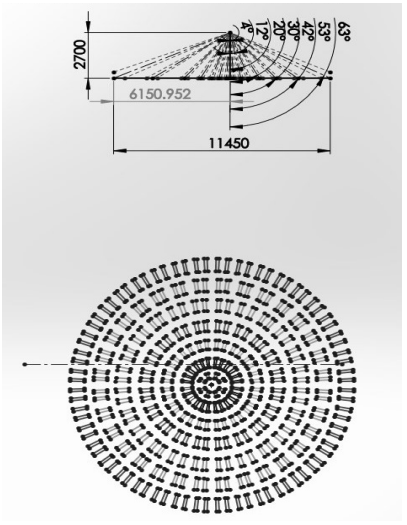



*Figure 7. Distribution du faisceau à 2,7 m (8.9 ft)*

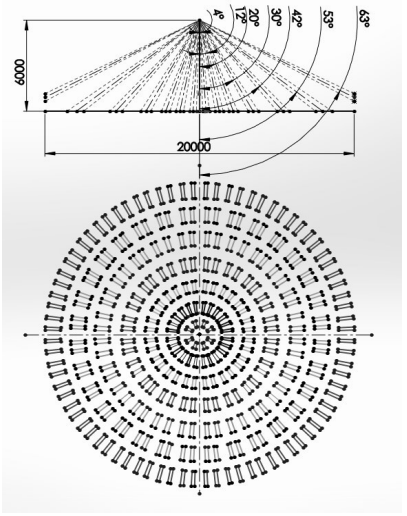



*Figure 8. Distribution du faisceau à 6 m (19,7 ft)*

## CARACTÉRISTIQUES DE FONCTIONNEMENT

**Vérification des événements par True Motion Recognition**
2 sélections à distance sur la centrale
**Période d'alarme :** 2 secondes

## COMMUNICATIONS SANS FIL

**Fréquence**
Europe et reste du monde : 433-434 MHz, 868-869 MHz États-Unis : 912-919 MHz

**REMARQUE :** Seuls les appareils utilisant la bande de fréquences 915 MHz sont certifiés UL/ULC.

**Protocole de communication :** PowerG
**Supervision :** Signaux espacés de 256 sec.
**Alerte d'autoprotection**
Émise en cas de sabotage et d'émission du message correspondant jusqu'à ce que le commutateur d'auto-protection soit remis en place.

## MONTAGE

**Hauteur :** 2 m à 6 m (6,6 ft - 19,7 ft)
**Options d'installation :** Surface du plafond

## CONDITIONS ENVIRONNEMENTALES

**Immunité aux fréquences radio**
20 V/m jusqu'à 1000 MHz, 10 V/m jusqu'à 2700 MHz
**Températures en fonctionnement**
-10 °C à 50 °C.

**REMARQUE :** Fonctionnement conforme UL vérifié uniquement entre 0 °C et 49 °C.

**Températures en stockage**
-20°C à 60°C
**Humidité**
Humidité relative moyenne jusqu'à environ 75 % sans condensation. Pendant 30 jours par an, l'humidité relative peut varier entre 85 % et 95 % sans condensation.
Pour les installations certifiées UL : 5 % à 93 % sans condensation

## Dimensions

**Taille (diamètre) :** 15 cm
**Poids (avec pile) :** 110 g
**Couleur :** Blanc

## RÉCEPTEURS COMPATIBLES

Cet appareil peut être utilisé avec les centrales et récepteurs DSC qui utilisent la technologie PowerG.

**REMARQUE :** Seuls les appareils fonctionnant dans la bande de fréquences 912-919 MHz sont conformes UL/ULC.

CE Europe: CE/EN (EN50131-2-2 GRADE 2, CLASS II, EN50131-6 Type C) PG8872: 868 MHz PG4872: 433 MHz.

Selon les normes EN 50131-1, cet équipement peut être intégré dans les systèmes installés jusqu'à et y compris la classe environnementale II, niveau de sécurité 2. Royaume-Uni: Le PG8872 convient pour l'utilisation dans les systèmes installés pour se conformer à la norme PD6662 à la classe environnementale 2 et de niveau 2 BS8243. Les dispositifs périphériques Power G sont dotés d'une fonction de communication bidirectionnelle, offrant des avantages supplémentaires comme décrit dans la brochure technique. Cette fonction n'a pas été déclarée conforme aux besoins techniques respectifs et doit, par conséquent, être exclue de la certification du produit.

### Déclaration EU de Conformité Simplifiée

Le soussigné, Tyco Safety Products Canada Ltd déclare que le type d'équipement radioélectrique est conforme à la directive 2014/53/UE.
Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:
PG4872: http://dsc.com/pdf/1710003
PG8872: http://dsc.com/pdf/1710004

| Bandes de fréquences | Puissance maximale |
|---|---|
| 868.0 MHz - 868.6 MHz | 10 mW |
| 868.7 MHz - 869.2 MHz | 10 mW |

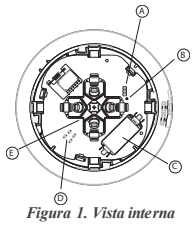
Point de contact unique en Europe: Tyco Safety Products, Voltaweg 20, 6101 XK Echt, Pays-Bas.

El PGx872 es un detector inalámbrico infrarrojo pasivo (PIR) de presencia y seguridad inteligente para montaje en techo (modo seleccionado) que crea un área de cobertura de 360° para detectar el movimiento de intrusos en áreas interiores.
El detector presenta las siguientes características.

- Modo de detección de presencia: activar 15 minutos después de la instalación (encendido).
- Gracias a los indicadores de calidad del enlace incorporados, el instalador no necesita acercarse físicamente al panel de control y el tiempo de instalación se reduce.
- El dispositivo es compatible con informes de temperatura y de nivel de luz a sistemas de alarma compatibles, que admiten sensores de temperatura y de luz.
- Protección contra manipulación.

- Tecnología TDMA bidireccional Power-G de salto de frecuencias de espectro amplio (FHSS).
- El algoritmo patentado Advanced True Motion Recognition™ distingue entre el verdadero movimiento de un intruso y cualquier otra perturbación que pueda causar falsas alarmas.

**NOTA:** En el caso de instalaciones UL, el detector se debe utilizar únicamente con unidades de control homologadas por UL.




**A** Indicadores LED
**B** Sensor de luz
**C** Batería
**D** Protección contra manipulación
**E** Sensores piroeléctricos

*Figura 1. Vista interna*

### Introducción o cambio de la batería

Si la batería ya está instalada, tire de la tira de activación que sobresale de la parte posterior del detector.

1. Para separar el detector del soporte de montaje, gire el soporte en el sentido antihorario y extráigalo del detector.
2. Inserte la batería teniendo en cuenta la polaridad.
3. Alinee las pestañas del soporte con las ranuras del detector y gire el detector en el sentido horario, para verificar que está bien sujeto.

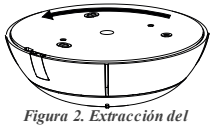


*Figura 2. Extracción del soporte*

**NOTA:** Si se usa un tornillo para fijar el detector al soporte, quite el tornillo, cambie la batería manteniendo la polaridad y fije el detector al soporte usando el tornillo.

**NOTA:** Se recomienda esperar aproximadamente 1 minuto después de extraer la batería antes de introducir la nueva.

**¡Cuidado!** Riesgo de explosión si se sustituye la batería por un tipo inadecuado. La eliminación de baterías usadas se debe efectuar acorde con las instrucciones del fabricante y de conformidad con las reglas y reglamentaciones locales.

### Registro

Para información sobre el procedimiento de registro, consulte el manual de instalación del panel.
En el siguiente diagrama de flujo se provee una descripción general del procedimiento:

| Etapa | Procedimiento |
|---|---|
| 1 | Para garantizar la aplicación de las etapas apropiadas, consulte el manual de instalación del sistema de alarma en el que el dispositivo está registrado. |
| 2 | Entre en la opción Registro de dispositivo por medio del método especificado y elija la opción apropiada para agregar el nuevo dispositivo. |
| 3 | Para registrar el dispositivo, mantenga presionado el botón de registro hasta que se detecte el registro, o escriba el identificador (ID) del aparato. |
| 4 | Elija el número de la zona deseada. |
| 5 | Configure todos los parámetros del dispositivo que sean necesarios. |
| 6 | Montar y probar el detector. Para obtener información acerca de cómo probar el dispositivo, consulte ***Prueba de recorrido / Prueba de diagnóstico local***. Consulte también el manual de instalación de sistemas de alarma, para comprobar si el dispositivo está registrado o para ver otros procedimientos de prueba que sean necesarios. |

**NOTA:** Si el detector ya está registrado, puede configurar sus parámetros mediante la programación del sistema. Para más información sobre los parámetros del dispositivo, consulte el manual de instalación de alarmas.

**NOTA:** Al registrar el detector PGx972 en los paneles inalámbricos (WP80XX) con la versión 19.4 o anteriores, el detector se registrará como detector de movimiento, ID 120-xxxx y se etiquetará como 'Motion Sens' en el panel.

### Consejos para la instalación

Utilizar la siguiente información como guía para localizar un lugar de montaje adecuado.

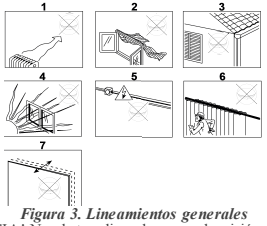



*Figura 3. Lineamientos generales*

¡ADVERTENCIA! No obstaculice el campo de visión del detector de forma parcial ni total.
¡ADVERTENCIA! Para cumplir con los requisitos de cumplimiento de normas de exposición de FCC e ISED Canada RF, el panel de control se debe ubicar a una distancia de al menos 20 cm de todas las personas durante el funcionamiento normal. Las antenas que se utilizan para este producto no se deben instalar ni utilizar junto otra antena u otro transmisor.

**NOTA:** El PGx872 [[[Undefined variable VariableSetsSpanish/General.ProductDesc]]] se debe instalar y utilizar en un entorno que provea el nivel de contaminación máximo de 2 y la categoría de sobretensión II en LUGARES NO PELIGROSOS. El equipo está diseñado para ser instalado solo por personal de servicio capacitado.

### Prueba de recorrido / Prueba de diagnóstico local

Antes del montaje permanente de cualquier dispositivo inalámbrico, móntelo temporalmente y haga una prueba de recorrido. Haga una prueba de recorrido del detector, por lo menos una vez al semana, para asegurarse de que el detector funciona correctamente.
Después de introducir la batería o de cerrar el dispositivo, el detector entra automáticamente en un periodo de estabilidad cuando el indicador LED parpadea en ROJO durante 90 segundos. Al efectuar la prueba de recorrido del área de cobertura, cada vez que se detecte su movimiento, el indicador LED se enciende en rojo, seguido de tres destellos. El color de los tres destellos del indicador LED indican la potencia de la señal recibida.
En la siguiente tabla se indica la potencia de la señal recibida.

| Respuesta del indicador LED | Potencia de señal |
|---|---|
| El indicador LED verde parpadea | ALTA |
| El indicador LED naranja parpadea | BUENA |
| El indicador LED verde parpadea | BAJA |
| Sin parpadeo | Sin comunicación |

**¡IMPORTANTE!** Las únicas potencias de señal aceptables son BUENA o ALTA. Si recibe una señal DÉBIL del dispositivo, reubíquelo y vuelva a probar hasta que reciba una potencia de señal BUENA o ALTA.

**NOTA:** En instalaciones de UL/ULC, solo se admite una potencia de señal ALTA. Después de la instalación, verifique la funcionalidad del producto junto con los paneles de control compatibles HSM2HOST9, HS2LCDRF(P)9, HS2ICNRF(P)9, PG9920, WS900-19, and WS900-29.

**NOTA:** Para ver instrucciones de colocación, consulte el manual de referencia del panel de control.
En el modo de prueba de recorrido, sea cual sea el estado de selección del indicador LED, este se enciende cada vez que se detecta movimiento. Haga una prueba de recorrido del área de cobertura caminando por el extremo más lejano del patrón de cobertura en ambas direcciones. Cada vez que se detecte su movimiento, el indicador LED se enciende en rojo, seguido de una indicación de potencia de señal del indicador LED. Al cabo de 15 minutos, el detector entra automáticamente en el modo normal.

### Montaje del dispositivo

1. Marque y taladre dos orificios en la superficie de montaje. Si instala en el detector una protección contra manipulación, marque y perfore un orificio para dicha protección y un orificio para una de las otras ranuras disponibles.
2. Fije el soporte a la superficie de montaje con los dos tornillos.
3. Alinee las pestañas del soporte con las ranuras del detector y gire el detector en el sentido horario. Verifique que esté bien sujeto.
4. Con el tornillo, sujete el detector al soporte.

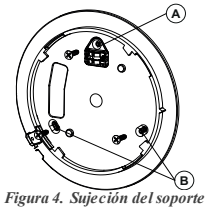



*Figura 4. Sujeción del soporte*

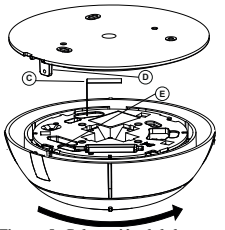



*Figura 5. Colocación del detector*

**A** Protección contra alteración
**B** Ranuras de tornillos del soporte
**C** Banda de aislamiento
**D** Lengüetas del soporte
**E** Ranuras del detector

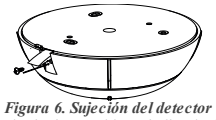


*Figura 6. Sujeción del detector*

En la siguiente tabla se indica la distancia de detección en relación con la altura de montaje.

| Altura | 2 metros 6.6 ft | 3 metros 9.8ft | 4 metros 13.1ft | 5 metros 16.4 ft | 6 metros 19.7 ft |
|---|---|---|---|---|---|
| Distancia de detección | 3,1 metros 10,2 ft | 3,75 metros 12,3 ft | 4,5 metros 14,8 ft | 6,5 metros 21,3 ft | 10 metros 32,8 ft |

**NOTA:** Detección verificada por UL/ULC solo en un radio de 3,35 metros, cuando el dispositivo está instalado a una altura de 2,75 metros.

### Utilización del LED

| Indicaciones del LED | Evento |
|---|---|
| El indicador LED verde parpadea | Estabilización (90 segundos de calentamiento) |
| Indicador LED rojo encendido durante 0.2 segundos | Abrir o cerrar protección contra manipulación |
| Indicador LED rojo encendido durante 2 segundos | Alarma de intruso |

Para obtener instrucciones sobre la indicación de la temperatura de zonas en el panel correcto según las mediciones del PGx872, consulte la guía de instalación del panel.

**GENERAL**
**Tipo de detector**
Cuatro sensores piroeléctricos que funcionan en una configuración dual separada
**ÓPTICAS**
**Información sobre la lente**
Lente de tipo Fresnel.
Cantidad de haces: 120
**Cobertura máxima**
Ø20 m/360° a una altura de instalación máxima de 6 metros (19,7 ft)
**ELÉCTRICAS**
**Fuente de alimentación:** Tipo C
**Batería interna**
Batería de litio de 3 voltios, CR-123A. En el caso de instalaciones UL, utilizar solo Panasonic y GP
**Capacidad nominal de la batería:** 1450 mAh
**Vida útil de la batería, en uso normal**
Como mínimo 1 año. Para uso típico (modo de seguridad), 3 años (no verificado por UL).
**Umbral de batería baja:** 2,6 voltios

**NOTA:** La incapacidad de conectarse con una red inalámbrica o una calidad de enlace inalámbrico no superior al 20% podrían reducir significativamente la vida útil prevista de la batería.
**Prueba de potencia de batería**
Se efectúa inmediatamente después de introducir la batería y periódicamente cada tantas horas.
La fuente de alimentación es del tipo C, de conformidad con la Documentación EN 50131-6, cláusula 6.
**Consumo actual**
Corriente de reposo promedio 50 µA, máxima 150 mA (durante la transmisión)

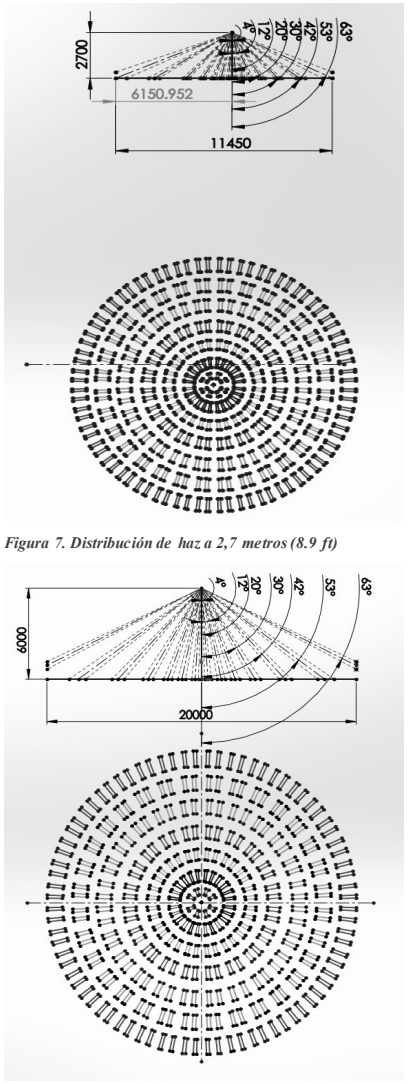



*Figura 7. Distribución de haz a 2,7 metros (8.9 ft)*

*Figura 8. Distribución de haz a 6 metros (19,7 ft)*

**FUNCIONAL**
**Verificación de evento de movimiento verdadero**
2 selecciones remotas en el panel
**Período de alarma:** 2 segundos
**INALÁMBRICO**
**Frecuencia**
Europa y resto del mundo: 433 a 434 MHz, 868 a 869 MHz EEUU: 912 a 919 MHz
**NOTA:** Solo dispositivos que funcionan en la banda de 915 MHz están homologados por UL/ULC.

**Protocolo de comunicaciones:** PowerG

**Supervisión:** Señalización a intervalos de 256 segundos

**Alerta de manipulación**

Se notifica durante un evento de manipulación y en cada mensaje subsiguiente, hasta que el interruptor de seguridad se restablezca.

## MONTAJE

**Peso:** 2 a 6 metros (6,6 - 19,7 ft)

**Opciones de instalación:** Superficie del techo

## AMBIENTALES

**Inmunidad a RF**
20 V/m hasta 1000 MHz, 10 V/m hasta 2700 MHz

**Temperaturas de funcionamiento**
-10°C a 50°C.

**NOTA:** Margen de operación verificado por UL, 0 °C a 49 °C únicamente.

**Temperaturas de almacenamiento**
-20 °C a 60 °C

**Humedad**
Humedad relativa promedio de hasta un 75%, sin condensación. Durante 30 días al año, la humedad relativa puede variar entre el 85% y el 95%, sin condensación.
En el caso de instalaciones UL: 5% a 93% sin condensación

## FÍSICAS

**Tamaño (diámetro):** 15 cm

**Peso (incluida la batería):** 110 gramos

**Color:** Blanco

## RECEPTORES COMPATIBLES

Este dispositivo se puede utilizar con paneles y receptores DSC que utilizan la tecnología PowerG.

**NOTA:** Solo dispositivos que funcionan en la banda de 912 a 919 MHz están homologados por UL/ULC.

CE Europa: CE/EN (EN50131-2-2 GRADE 2, CLASS II, EN50131-6 Typo C) PG8872: 868 MHz PG4872: 433 MHz.

De acuerdo con las normas EN 50131-1, este equipo puede ser aplicado en sistemas instalados hasta e incluyendo el Grado 2 de Seguridad, Clase ambiental II. Reino Unido: El modelo PG8872 es adecuado para uso en sistemas instalados para cumplir con PD6662 en el Grado 2 y Clase ambiental 2 BS8243. Los dispositivos periféricos Power G tienen funcionalidad de comunicación de dos vías, lo que proporciona ventajas adicionales como se describen en el folleto técnico. No se ha probado que estas funciones cumplan con los requisitos técnicos correspondientes y, por lo tanto, deberían considerarse fuera del alcance de la certificación del producto.

### Declaración UE de Conformidad Simplificada

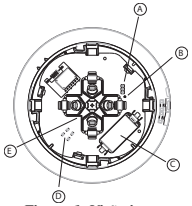
Por la presente, Tyco Safety Products Canada Ltd declara que el typo de equipo radioeléctrico es conforme con la Directiva 2014/53/UE.
El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:
PG4872: http://dsc.com/pdf/1710003
PG8872: http://dsc.com/pdf/1710004

| Bandes de freceuncia | Potencia máxima |
|---|---|
| 868.0 MHz - 868.6 MHz | 10 mW |
| 868.7 MHz - 869.2 MHz | 10 mW |

Punto de contacto único en Europa: Tyco Safety Products, Voltaweg 20, 6101 XK Echt, Holanda.
A PGx872 é um detector inteligente de presença/segurança PIR de teto sem fio (modo selecionado) que cria uma área de cobertura de 360 ° para detectar o movimento de intrusos em áreas internas.
O detector tem os seguintes recursos.

- Modo de detecção de presença – 15 minutos ativos após instalação (inicialização).
- Indicadores de qualidade de conexão embutidos eliminam a necessidade de um instalador para se aproximar fisicamente do painel de controle e reduz o tempo de instalação.
- O dispositivo suporta avisos de temperatura e nível de luz para sistemas de alarme compatíveis que aceitem sensores de temperatura e luz.
- Proteção contra violação.
- Tecnologia FHSS-TDMA de Espectro de Alastramento com Mudança de Frequência de duas vias Power-G.
- O algoritmo avançado True Motion Recognition™ (patenteado) diferencia os verdadeiros movimentos de um invasor e quaisquer outros distúrbios que possam causar alarmes falsos.

**OBS.:** Para instalações de UL: o detector só deve ser usado com unidades de controle listada em UL.




**A** LEDs
**B** Sensor de luz
**C** Bateria
**D** Proteção contra violação
**E** Sensores de fogo

*Figura 1. Visão interna*

### Inserir ou trocar a pilha

Se a bateria já estiver instalada, puxe a faixa de ativação que se encontra protuberante na traseira do detector.

1. Para separar o detector do suporte de montagem, gire o suporte em sentido anti-horário e puxe-o do detector.
2. Insira a bateria levando em conta a polaridade.
3. Alinhe as roscas do suporte aos encaixes do detector e gire o detector em sentido horário para certificar-se de que ele está firmemente preso.

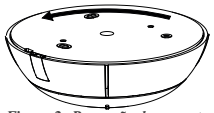


*Figura 2. Remoção do suporte*

**OBS.:** se um parafuso for usado para prender o detector em um suporte, remova o parafuso, substitua a bateria observando a polaridade e prenda o detector no suporte usando o parafuso.

**OBS.:** Recomenda-se esperar cerca de 1 minuto depois de remover a pilha antes de inserir a nova pilha.

**Cuidado!** Risco de explosão se a bateria for trocada por uma de um tipo incorreto. Descarte as baterias usadas de acordo com as instruções do fabricante e com as regras e normas locais.

### Registro

Consulte o manual de instalação do painel para aprender o procedimento de registro.
Uma descrição geral do procedimento é fornecida no fluxograma a seguir:

| Etapa | Procedimento |
|---|---|
| 1 | Consulte o manual de instalação do sistema de alarme ao qual o dispositivo está sendo registrado para garantir que as etapas adequadas sejam feitas. |
| 2 | Entre na opção Registro de Dispositivo pelo método especificado e selecione a opção apropriada para adicionar um novo dispositivo. |
| 3 | Registre o dispositivo mantendo o botão de registro pressionado até que o registro seja detectado, ou insira o ID do dispositivo. |
| 4 | Selecione o nº da zona desejada. |
| 5 | Configure os parâmetros necessários do dispositivo. |
| 6 | Monte e teste o detector. Consulte ***Teste de caminhada / Teste de diagnóstico local*** para obter mais informações sobre como testar o dispositivo. Além disso, consulte o manual de instalação dos sistemas de alarme nos quais o dispositivo foi registrado para ver outros procedimentos de teste que são necessários. |

**OBS.:** Se o detector já estiver registrado, você pode configurar os parâmetros do detector pela programação do sistema. Consulte o manual de instalação dos sistemas de alarme para obter mais informações sobre os parâmetros do dispositivo.

**OBS.:** ao registrar o detector PGx972 a painéis sem fio (WP80XX) com a versão 19.4 ou uma anterior, o detector será registrado como um detector de movimento, ID 120-xxxx, e identificado como 'Sensor de mov' no painel.

### Dicas de Instalação

Use as seguintes dicas como um guia para localizar um local adequado para a montagem.

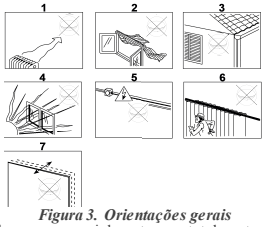



*Figura 3. Orientações gerais*

AVISO! Não obscureça parcialmente nem totalmente o campo de visão do detector.
AVISO! A fim de obedecer os requisitos de conformidade de exposição do FCC e ISED Canada RF, o detector PIR deve estar em uma distância de ao menos 20 cm de qualquer pessoa durante a operação normal. As antenas usadas para este produto não podem estar colocalizadas ou ser operadas em conjunto com qualquer outra antena ou transmissor.

**OBS.:** O PGx872 [[[Undefined variable VariableSetsPortuguese/General.ProductDesc]]] deve ser instalado e usado dentro de um ambiente que forneça o grau máximo de poluição 2 e sobretensão de categoria II, LOCAIS NÃO PERIGOSOS. O equipamento foi projetado para ser instalado apenas pelo pessoal qualificado de serviço.

### Teste de caminhada / Teste de diagnóstico local

Antes de montar permanentemente qualquer dispositivo sem fio, monte temporariamente o dispositivo e realize um teste de caminhada. Realize um teste de caminhada da área de cobertura pelo menos uma vez ao semana para garantir que o detector está funcionando corretamente.
Após colocar a bateria ou fechar o dispositivo, o detector automaticamente entrará em um período de estabilidade em que o LED VERMELHO piscará por 90 segundos. Faça um teste de caminhada pela área de cobertura; o LED vermelho piscará cada vez que seu movimento for detectado seguido por três piscadas de LED. A cor das três piscadas de LED indica a força do sinal recebido.
A tabela a seguir indica a força do sinal recebido.

| Reposta do LED | Intensidade do sinal |
|---|---|
| LED verde pisca | FORTE |
| LED laranja pisca | BOM |
| LED vermelho pisca | RUIM |
| Nada pisca | Sem comunicação |

**IMPORTANTE!** Somente são aceitos intensidades de sinal BOA ou FORTE. Se você receber um sinal RUIM do dispositivo, reposicione-o e teste novamente até receber um sinal BOM ou FORTE.

**OBS.:** Para instalações UL/ULC, apenas o nível de sinal FORTE é aceitável. Após a instalação, verifique a funcionalidade do produto em conjunto com os painéis de controle compatíveis HSM2HOST9, HS2LCDRF(P)9, HS2ICNRF(P)9, PG9920, WS900-19, and WS900-29.

**OBS.:** Para obter instruções detalhadas de colocação, consulte o Guia de referência do painel de controle.
No modo teste de caminhada, independentemente do status de Selação do LED, o LED acende quando da detecção de qualquer movimento. Faça o teste de caminhada pela área de cobertura caminhando através do limite mais distante do padrão de cobertura em ambos os sentidos. O LED vermelho acende cada vez que seu movimento for detectado seguido por indicação de força do sinal de LED constante. Depois de 15 minutos, o detector entra automaticamente no modo normal.

### Montagem do dispositivo

1. Marque e perfure dois furos na superfície de montagem. Se você instalar a proteção contra violação no detector, marque e perfure um furo para a proteção contra violação e um furo para um dos outros encaixes disponíveis.
2. Fixe o suporte à superfície de montagem usando os dois parafusos.
3. Alinhe as roscas do suporte aos encaixes do detector e gire o detector em sentido horário. Certifique-se de que está bem preso.
4. Fixe o detector ao suporte com o parafuso.

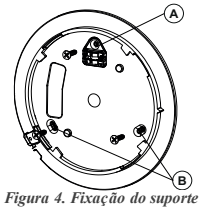



*Figura 4. Fixação do suporte*

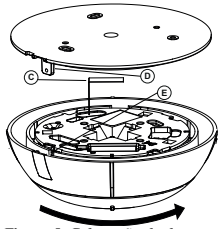



*Figura 5. Colocação do detector*

*Figura 6. Fixação do detector*

**A** Proteção contra violação
**B** Encaixes de parafuso do suporte
**C** Faixa de isolamento
**D** Roscas do suporte
**E** Encaixes do detector

A seguinte tabela resume a distância de detecção em relação à altura da montagem.

| Altura | 2 m 6,6 pés | 3 m 9,8 pés | 4 m 13,1 pés | 5 m 16,4 pés | 6 m 19,7 pés |
|---|---|---|---|---|---|
| Distância de detecção do raio | 3,1 m 10,2 pés | 3,75 m 12,3 pés | 4,5 m 14,8 pés | 6,5 m 21,3 pés | 10 m 32,8 pés |

**NOTA:** Detecção com certificação UL/ULC somente no raio de 11 pés (3,35 m) quando o dispositivo for instalado em uma altura de 9 pés (2,75 m).

### Operação do LED

| Indicações do LED | Evento |
|---|---|
| LED vermelho pisca | Estabilização (aquecimento de 90 segundos) |
| LED vermelho em 0,2 segundos | Abrir/fechar violação |
| LED vermelho em 2 segundos | Alarme de intruso |

Para ver instruções sobre como exibir a temperatura de zonas no painel correto, como medida pelo PGx872, consulte o guia de instalação do painel.

## GERAL

**Tipo de detector**
Quatro sensores piroelétricos que funcionam em uma configuração dual separada

## ÓTICAS

**Dados da lente**
Lentes de tipo Fresnel.
Número de feixes: 120
**Cobertura máx.**
Ø20 m/360° na altura máxima de instalação de 6 m (19,7 pés)

## ELÉTRICAS

**Fonte de alimentação:** Tipo C

**Bateria interna**

Pilha de lítio de 3 V, tipo CR-123A. Para instalações de UL, use apenas Panasonic e GP

**Capacidade nominal da pilha:** 1450 mAh

**Vida útil da bateria (uso típico)**

Mínimo de 1 ano. Para uso normal (modo de segurança), 3 anos (não verificado pelo UL).

**Limite de bateria fraca:** 2,6 V

**OBS.:** A incapacidade de se conectar a uma rede sem fio ou a qualidade de uma conexão sem fio inferior a 20% podem diminuir significativamente a expectativa de vida da pilha.

**Teste de energia da pilha**

Realizado logo após a introdução da pilha e periodicamente em intervalos de algumas horas.
A fonte de alimentação é do tipo C, de acordo com a Documentação EN 50131-6 — Cláusula 6.

**Consumo de corrente**

30µA quiescente médio, máximo 150 mA (durante transmissão)

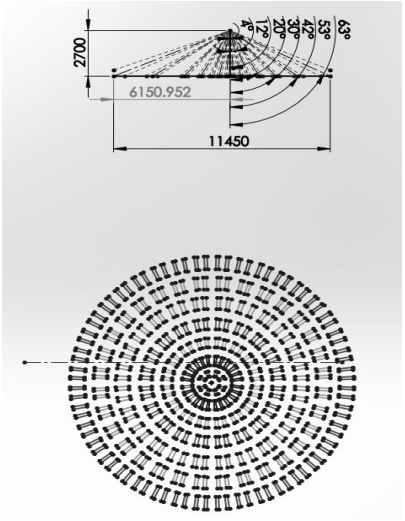



*Figura 7. Distribuidor de feixe a 2,7 m (8.9 pés)*

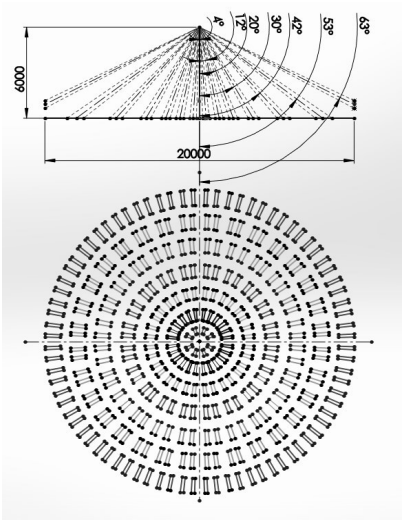



*Figura 8. Distribuidor de feixe a 6 m (19.7 pés)*

**FUNCIONAIS**

**Verificação de movimentos reais**

2 seleções remotas no painel

**Tempo de alarme:** 2 segundos

**SEM FIO**

**Frequência**

Europa e resto do mundo: 433-434 MHz, 868-869 MHz EUA: 912-919 MHz

**OBS.:** Apenas os dispositivos na faixa de frequência de 915 MHz são listados pela UL/ULC.

**Protocolo de comunicação:** PowerG

**Supervisão:** Sinalização em intervalos de 256 seg

**Alerta de violação**

Comunicado quando ocorre uma violação e em qualquer mensagem subsequente até que a chave de violação seja restaurada.

**INSTALAÇÃO**

**Altura:** 2 m a 6 m (6,6 - 19,7 ft)

**Opções de instalação:** Superfície do teto

**AMBIENTAIS**

**Imunidade a RF**

De 20 V/m até 1000 MHz, de 10 V/m até 2700 MHz

**Temperaturas operacionais**

-10 °C a 50 °C (14 °F a 122 °F).

**OBS.:** A UL verificou somente a operação acima da faixa de 0 °C a 49 °C.

**Temperaturas de armazenamento**

-20 °C a 60 °C (de -4 °F a 140 °F)

**Umidade**

Umidade relativa média de aproximadamente 75% sem condensação. Por 30 dias por ano, a umidade relativa pode variar de 85% a 95% sem condensação.

Para instalações de UL: 5% a 93% sem condensação

**FÍSICAS**

**Tamanho (diâmetro):** 15 cm

**Peso (com bateria):** 110 g (3,88 oz)

**Cor:** Branca

**RECEPTORES COMPATÍVEIS**

Este dispositivo pode ser usado com painéis e receptores DSC que usem a tecnologia PowerG.

**OBS.:** Apenas os dispositivos operando na faixa de 912-919 MHz são listados pela UL/ULC.

CE Europa: CE/EN (EN50131-2-2 GRADE 2, CLASS II, EN50131-6 Tipo C) PG8872: 868 MHz PG4872: 433 MHz.

Conforme a EN 50131-1, este equipamento pode ser aplicado em sistemas instalados até e incluindo o Grau 2 de Segurança, Classe II Ambiental. RU: O PG8872 é apropriado para uso em sistemas instalados em conformidade com PD6662 no Grau 2 e classe ambiental 2 BS8243. O periférico PowerG tem uma funcionalidade de comunicação em 2 vias, providenciando benefícios adicionais descritos na brochura técnica. Esta funcionalidade não foi testada para estar conforme os respectivos requisitos técnicos e deve, portanto, ser considerada fora do âmbito da certificação do produto.

**Declaração UE de Comformidade Simplificada**

O(a) abaixo assinado(a), Tyco Safety Products Canada Ltd declara que o presente tipo de equipamento de rádio está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:

PG4872: http://dsc.com/pdf/1710003

PG8872: http://dsc.com/pdf/1710004

| Bandes de frequências | Potência máxima |
|---|---|
| 868.0 MHz - 868.6 MHz | 10 mW |
| 868.7 MHz - 869.2 MHz | 10 mW |

Ponto único de contato na Europa: Tyco Safety Products, Voltaweg 20, 6101 XK Echt, Holanda.

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