

ENGLISH

PG9935(E)/PG8935/PG4935

PowerG 2-way Wireless Shock and Contact Detector with Hardwired Input Installation Instructions

Operation

The PGx935 series are 2-way shock detectors with an optional shock accumulation feature and auxiliary input. The PGx935 fits windows, doors, walls or roofs and is ideal for residential or commercial installations.

Features

- Optional shock accumulation / vibration sensor.
- Built-in link quality indicators reduce installation time by eliminating the need for the installer to physically approach the control panel.
- Reed switch.
- Optional auxiliary input for connecting other hardwired devices. Use only UL/ULC burglary listed devices. The auxiliary input is not covered by INCERT.
- Digital display enables fast and easy shock level adjustment
- Full remote configuration eliminates the need to physically access the shock detector.
- Remote view of Low Battery, front and back Tamper, Supervision.
- An LED lights when alarm or tamper events are reported.

Low-Battery Detection

The PGx935 includes low-battery condition detection. When this condition is detected a trouble message is transmitted to the compatible receiver/control panel. This will provide visual identification of the unit that requires a battery change. For UL commercial burglary installations replace battery yearly.

Device Setup

CAUTION! This product uses Lithium Batteries. Improper handling of lithium batteries may result in HEAT GENERATION, EXPLOSION OR FIRE, which may lead to personal injuries.
Caution! To be installed by service personnel only.

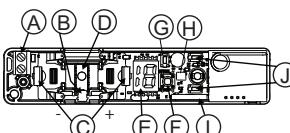
WARNING! DANGER OF EXPLOSION IF BATTERIES ARE INSTALLED INCORRECTLY. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISPOSE OF USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. KEEP AWAY FROM SMALL CHILDREN. IF SWALLOWED PROMPTLY SEE A DOCTOR.

Do not try to recharge these batteries.

Note: Battery replacement should be done by installer. For use in indoor, non-hazardous locations only.

Note: To ensure the continued operation of all wireless devices after performing a system default, a global upload of all wireless programming via DLS is recommended before defaulting the system. After completing the system default, download the wireless programming.

Legend



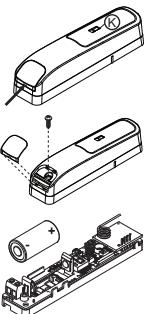
- A. Auxiliary input terminals
- B. Back tamper switch
- C. Battery clips
- D. Back tamper break-away segment
- E. Digital display
- F. Front tamper switch
- G. Enroll button
- H. LED
- I. Reed switch
- J. Up and down buttons

K. LED

- L. Reed switch on underside of PC Board (in unit)
- M. Symbol on side of the case indicates location of reed switch
- N. Magnet
- O. 1/4" space maximum (6mm)
- P. 2.2 kΩ resistor
- Q. N.C. switch
- R. N.O. switch

Install the battery

- Insert a flat-edged screwdriver into the slot and push upward to remove cover.
- Remove the screw and separate the cover from the base.
- Observe polarity and install battery.
- Connect the sensor wire to the terminal block.



Note: When manually programming wireless devices, if a device has been powered up for more than 48 hours it cannot be enrolled into the system until the device has been tampered and restored. When programming the panel using the Quick Enroll procedure follow the steps detailed in Enroll the Device into the System.

Note: After restoring a low battery trouble the system may take up to 5 minutes to clear the trouble.

Enroll the Device into the System

Refer to the PowerSeries Neo Host Installation Manual or iotega Reference Manual for the enrollment procedure.

Placement Testing

Before permanently mounting any wireless device, temporarily mount the device and perform a placement test.

- Tamper the device by removing the cover.
- Replace the cover to restore the tamper and the device will stay in placement mode for 15 minutes.
- Trip the device by opening the door or window and verify the red LED blinks, indicating detection.
- After 2 seconds the LED blinks 3 times. The following table indicates received signal strength.

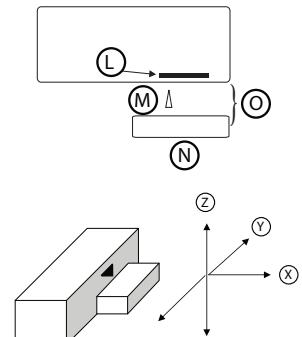
LED response	Signal Strength
Green LED blinks	STRONG
Orange LED blinks	GOOD
Red LED blinks	POOR
No blinks	No communication

IMPORTANT! Only GOOD or STRONG signal strengths are acceptable. If you receive a POOR signal from the device, relocate 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 receivers.

Note: For detailed placement instructions refer to the control panel Reference Guide

Gap Separation



	Metallic (Ferrous) Materials			Nonmetallic/Metallic (nonferrous) Materials
Direction of Movement of the Magnet	Approach/Make	Remove/Break	Approach/Make	Remove/Break
Axis X	11mm+/-5mm 9mm (0.35")*	13mm+/-5mm 11mm (0.43")*	15mm+/-5mm 22mm (0.86")*	20mm+/-5mm 25mm (0.98")*
Axis Y	12mm+/-5mm 8mm (0.31")*	14mm+/-5mm 13mm (0.51")*	13mm+/-5mm 7mm (0.28")*	15mm+/-5mm 23mm (0.90")*
Axis Z	24mm+/-5mm 23mm (0.90")*	26mm+/-5mm 25mm (0.98")*	24mm+/-5mm 27mm (1.06")*	26mm+/-5mm 30mm (1.18")*

(* For UL installations: Recommended maximum gap separation for installation (on specified materials and axes of use) is 6 mm (0.24").

Mounting the Device

Assess the best mounting position for the device based on the desired level of protection and considering locations where a strong shock impact is expected. Install the device in accordance with the guidelines presented in this manual. For UL/ULC listed installations, use only the mounting screws provided. The device is intended to be installed on doors with or without glass inserts and on window frames but not on the actual glass surface. For magnetic contact detection, it is highly recommended to attach the detector to the door/window on the fixed frame and the magnet to the movable part (door or window). Locate the magnet not more than 6 mm (0.25 in.) from the detector's marked side. Adjust the shock sensitivity setting at the final mounting position (refer to section "Shock Detector Local Calibration"). Test the sensitivity of the unit by gently hitting (using the palm of your hand) the surface on which the device is installed. Gradually increase the pressure until the desired response is obtained. Ensure that the device is not triggered by accidental vibration (e.g., wind, birds, insects) hitting the protected window or surface. Normal traffic or operation of the door/window should not trip the shock sensor. When testing the sensitivity of the unit, do not cause stress or damage to the mounting surface or to the glass.

- Secure the base to the mounting surface using the two supplied screws.

CAUTION! Do not use double-sided tape, as this will insulate the detector from vibrations.

- Mount the magnet near its location mark with 2 screws.

WARNING: In order to avoid personal injury while testing sensitivity, do not apply pressure to glass inserts or windows.

Note: Removing the cover transmits a tamper message to the system. When removing the battery press the tamper switch or after replacing the battery the Tamper Restore message will not be transmitted to the system and the alert will not be cleared.

Attention! The unit has an optional back tamper switch under the PCB. The switch lever will be pressed against a special break-away base segment that must be fastened to the wall. Forcibly removing the detector from the wall breaks the base segment, opening the tamper switch. **Note:** For UL Commercial burglary installations the back tamper is required.

Configuration

The following programmable options are available:

Alarm LED - Default [ON]

Enables/disables the device LED to activate when an alarm event occurs.

Reed Switch - Default [OFF]

Enables/disables the reed switch.

External Input - Default [OFF]

Enables/disables the external input on a shock sensor.

Supervision - Default [ON]

Enables/disables supervision of the device.

Shock Accumulation - Default [OFF]

Enables/disables the Shock Accumulation feature.

Selections

Zone EOL - Default [01]

Configures auxiliary input as one of the following options:

[00] Disabled [02] Normally Open

[01] Single EOL [03] Normally Closed

Sensor Threshold - Default [08]

Enter the 2-digit threshold from 01 (very weak) - 19 (very strong).

Shock Detector Local Calibration

The PGx935 can only be locally calibrated when the device is in Local Diagnostics mode (first 15 minutes after opening the cover). To calibrate when not in local diagnostics mode reset the device by closing the tamper switch.

Note: Disable the accumulation parameter while testing the threshold. If, after activating the display no buttons are pressed within 20 seconds, the display turns off.

- Turn on the digital display by pressing the Up or Down button. The letter "G" appears for 3 seconds, then a menu allowing you to select the threshold from a range of 1-19. If the letter "E" appears there is no communication link between the unit and control panel and no changes shall be performed.

- Change the threshold by pressing the Up or Down button. The lower the threshold, the higher the sensitivity. Use the lowest thresholds for harder materials, such as concrete.

- For aid in selecting a threshold, while the menu is active, knock on the surface with the required force to trip the detector. The power of the detected knock will be presented on the display as a blinking number for 3 seconds. The number should be in the range of 1 to 19, where 1 is very weak (requiring higher sensitivity) and 19 is very strong (requiring less sensitivity). If no number displays, no shock was detected from the knock. If a hyphen displays, the knock exceeds the highest threshold of the detector.

- Repeat the same test several times.

- Once you have entered the desired value set the threshold by pressing the Up and Down buttons simultaneously.

- The detector now moves to the Accumulated menu, (shown as "A" on the display). Press the Up or Down buttons to Enable or Disable ("1" or "0" respectively) on the display. Set by pressing the Up and Down buttons simultaneously.

- If the letter "E" appear on the display, then there is no communication link between the unit and control panel. Verify that the control panel has power.

Auxiliary Input wiring

Note: The auxiliary input is not covered by INCERT.

- Connect the auxiliary sensor contacts across the auxiliary input terminals.

- If the auxiliary input is defined as a Normally Closed (N.C.) type, series connected N.C. sensor contacts must be used exclusively. An E.O.L. resistor will not be required.

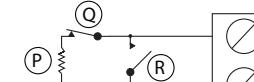
- If the auxiliary input is defined as a Normally Open (N.O.) type, parallel connected N.O. sensor contacts must be used exclusively. An E.O.L. resistor will not be required.

- For E.O.L. supervision: Normally Closed (N.C.) sensor contacts can be used. A 2.2 KΩ E.O.L. resistor must be wired at the far end of the zone loop.

Note: For UL installations, the device connected to the initiating circuit must be located in the same room as the transmitter. The drawing below illustrates a N.O. and N.C. alarm circuit with E.O.L. resistor.

Note: An alarm message is transmitted once the loop is opened or short circuited.

Note: For UL/ULC installations connect only UL/ULC listed devices to the auxiliary wiring input



Event Indications

LED Indication	Event
Red LED ON 0.2 sec.	Tamper open / close
Red on 2 sec.	Shock
Red on 2 sec.	Open close door
Red on 2 sec.	Open close Aux input

Specifications

Frequency Band (MHz) - CE Listed PG4935: 433MHz; FCC listed PG8935: 868MHz; FCC/IC/UL/ULC listed PG9935: 912-919MHz

Communication Protocol: PowerG

Alarm Input: One auxiliary

Supervision: Signaling at 4-min. intervals

Tamper Alert: Reported when a tamper event occurs

Battery type: 3V Lithium CR-123A type battery, consumer grade.

Note: For UL installations use Gold Peak (GP) and Panasonic CR-123A batteries only.

Battery Life Expectancy: up to 5 years only with all sensors enabled (for typical use at room temperature). Not tested by UL/ULC.

Low battery threshold: 2.6 V

Current Consumption: 20-30 µA approx. (150 mA during transmission)

Shock Detection Radius and Sensitivity Level:

EN Certified		
Plate material	Shock detection radius	Sensitivity level
Framed glass window (standard test material A1)	1 m	15
Wooden plate (Standard test material A2)	1 m	12
Concrete plate (Standard test material A3)	0.5 m	4

Door frame height: typical 7ft to 8ft (213 to 244 cm) 1/2

Door frame width: typical 1ft to 4ft (30.5 to 122 cm) 1/2

Door frame thickness: 11/2" to 13/4" (3.8 to 4.4 cm)

Window/glass insert size: any size that will fit within the door frame listed above. Install the contact so that a door or window cannot be opened more than 2" (.51cm) without causing an alarm condition.

Temperature range: -10°C to +55°C (UL/ULC verified 0°C to +49°C)

Relative Humidity: max. 93%RH, non-condensing (UL/ULC verified max 85%RH)

Auxiliary Input Cable Length: 10m max. AWG22

Auxiliary Input EOL Resistor: 2.2 KΩ

Dimensions: (LxWxH) 118x27x30 mm (4.5x1.18x1.3 in)

Weight (including battery): 130g (4.6 oz)

Compatible Receivers

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

For UL/ULC installations use this device only in conjunction with compatible DSC wireless panels/receivers: WS900-19, WS900-29, HSM2HOST9, HS2LCDRF(P)9, HS2ICNRF(P)9, and PG9920.

UL/ULC Notes

The PG9935 has been listed by UL for commercial and residential burglar applications and by ULC for residential burglar applications in accordance with the requirements in the Standards UL 634 and UL/ULC/ORDC634 for Door and Window Contact.

Compliance with standards

CE Europe: The PGx935 is certified by Applica Test and Certification to the following standards: EN50131-2-6, EN50131-2-8, EN 50131-5-3, EN50131-1 GRADE 2, CLASS II, EN50131-6 Type C. 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 PG8984 is suitable for use in systems installed to conform to PD6662 Grade 2 and environmental class 2, BS8243.

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 declarations of conformity for the models mentioned below are available at the following Internet addresses:

PG4935 - <http://dsc.com/pdf/1401014>

PG8935 - <http://dsc.com/pdf/1401037>

Frequency Band / Maximum Power

g1 433.04MHz – 434.79MHz/10mW

h1 1.4 868.0MHz – 868.6MHz/10mW

h1.5 868.7MHz – 869.2MHz/10mW

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

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.

This equipment complies with FCC and IC RF radiation exposure limits set forth for an uncontrolled environment.

This device complies with FCC Rules Part 15 and with Industry 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.

The present appareil est conforme aux CNR d'Industrie 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.

FRANÇAIS

PG9935(E)/PG8935/PG4935

Instructions d'installation du détecteur de contact et de choc sans fil bidirectionnel PowerG à entrée auxiliaire câblée

Fonctionnement

Les PGx935 series sont des contacts sans fil bidirectionnels à détecteur de choc et entrée auxiliaire. Le PGx935 convient aux fenêtres, portes, murs ou toits et est idéal pour les installations résidentielles ou commerciales.

Caractéristiques

- Détecteur de choc/vibration en option.
- Les indicateurs de qualité de liaison intégrés réduisent les temps d'installation en supprimant la nécessité de l'installateur être physiquement à proximité de la centrale.
- Commutateur à lames.
- Entrée auxiliaire en option pour la connexion d'autres dispositifs câblés. Utilisez exclusivement des dispositifs anti-intrusion homologués UL/ULC. L'entrée auxiliaire n'est pas couverte par INCERT.
- L'afficheur numérique permet un réglage rapide et simple de l'intensité des chocs.
- La configuration entièrement à distance supprime la nécessité d'accéder physiquement au détecteur de choc.
- Consultation à distance de : Niveau faible de batterie, contact anti-sabotage avant et arrière, Supervision.
- Un voyant lumineux s'allume chaque fois que des événements de sabotage ou d'alarme sont signalés.

Détection de niveau faible de batterie

Le PGx935 possède une fonction de détection de niveau faible de batterie. Quand cet état est détecté, un message de problème est transmis à la centrale ou au récepteur compatible. Une signalisation visuelle est ainsi assurée pour l'unité qui a besoin d'un remplacement de la batterie. Pour les installations anti-intrusion commerciales UL, remplacez la batterie tous les ans.

Réglage du dispositif

ATTENTION !

Ce produit utilise des batteries au lithium. La manipulation incorrecte des piles au lithium peut engendrer UNE PRODUCTION DE CHALEUR, UNE EXPLOSION OU UN INCENDIE, qui peuvent provoquer des blessures personnelles.

Attention! A faire installer par un agent de service.

DANGER D'EXPLOSION SI LES PILES SONT INSTALLÉES DE FAÇON INCORRECTE. REMPLACEZ UNIQUEMENT LES PILES PAR DES PILES IDENTIQUES OU ÉQUIVALENTES, RECOMMANDÉES PAR LE FABRICANT. ÉLIMINÉZ LES PILES USAGÉES SELON LES INSTRUCTIONS DE SON FABRICANT.

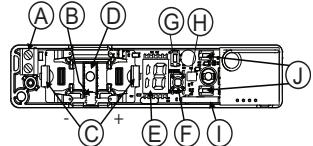
GARDEZ-LES HORS DE PORTÉE DES ENFANTS EN BAS AGE. SI LES PILES SONT AVALEÉES, CONSULTEZ IMMÉDIATEMENT UN MÉDECIN.

Remarque : N'essayez pas de recharger ces piles.

Remarque : Le remplacement des batteries doit être réalisé par un installateur. Pour une utilisation en intérieur, à des emplacements non dangereux uniquement.

Remarque : Pour garantir le fonctionnement continu de tous les dispositifs sans fil après avoir réalisé une réinitialisation aux valeurs par défaut, un téléchargement général de toute la programmation sans fil par DLS est recommandé avant de réinitialiser le système. Après avoir complété la réinitialisation aux valeurs par défaut du système, téléchargez la programmation sans fil.

Légende



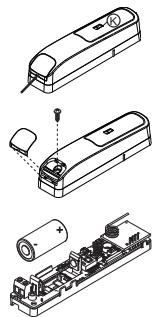
- A. Bornes d'entrée auxiliaire
- B. Contact anti-sabotage arrière
- C. Clips des batteries
- D. Segment amovible à contact anti-sabotage arrière
- E. Afficheur numérique
- F. Contact anti-sabotage avant
- G. Bouton d'attribution
- H. Voyant

- I. Commutateur à lames
- J. Boutons haut et bas
- K. Voyant

- L. Commutateur à lames sur le dessous du circuit imprimé (dans l'unité)
- M. Un symbole sur le côté du boîtier indique l'emplacement du commutateur à lames
- N. Aimant
- O. Espace minimum de 6 mm (1/4")
- P. Résistance de 2.2 kΩ
- Q. Contact N.F.
- R. Contact N.O.

Installer la pile

1. Insérez un tournevis plat dans la fente et poussez vers le haut pour retirer le couvercle.
 2. Retirez la vis et détachez le couvercle de la base.
 3. Respectez les polarités et installez la pile.
 4. Branchez les fils du détecteur au bornier.
- Remarque :** Quand vous programmez manuellement les dispositifs sans fil, si un dispositif a été alimenté pendant plus de 48 heures, il ne peut pas être attribué dans le système tant que le dispositif n'a pas été saboté et rétabli.
- Remarque :** Après la restauration d'un défaut de batterie faible, le système peut prendre jusqu'à 5 minutes pour que la peine.



Attribuer le dispositif dans le système

Consultez les instructions d'installation PowerSeries Neo Host ou le manuel de référence iotega pour plus informations sur l'attribution.

Test de positionnement

Avant de fixer de façon permanente un dispositif sans fil quelconque, montez-le temporairement et effectuez un test de positionnement.

1. Sabotez le dispositif en retirant le cache.
2. Remontez le couvercle pour rétablir le contact anti-sabotage et le dispositif reste en mode de positionnement pendant 15 minutes.
3. Déclenchez le dispositif en ouvrant la porte ou la fenêtre et vérifiez que le voyant lumineux rouge clignote ce qui indique la détection.
4. Après 2 secondes, le voyant clignote 3 fois. Le tableau suivant indique la force du signal reçu.

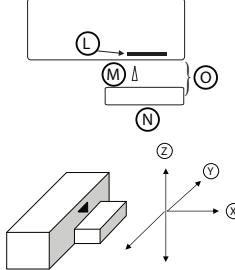
Réponse du voyant	Force du signal
Le voyant vert clignote	FORT
Le voyant orange clignote	BON
Le voyant rouge clignote	FAIBLE
Aucun clignotement	Aucune communication

IMPORTANT ! Seules les forces de signal FORT ou BON sont acceptables. Si vous recevez un signal FAIBLE du dispositif, déplacez-le et testez-le à nouveau jusqu'à ce qu'un signal BON ou FORT soit reçu.

Remarque : Pour les installations UL/ULC, seul un signal FORT est acceptable. Après installation, vérifiez les fonctionnalités de l'appareil en association avec les récepteurs compatibles.

Remarque : Pour des instructions détaillées sur le positionnement, consultez le guide de référence de la centrale

Écart de séparation



	Matériaux métalliques (ferreux)	Matériaux non métalliques/métalliques (non-ferreux)
Direction de déplacement de l'aimant	En approche/fermé	En approche/fermé
Axe X	11mm+/-.5mm 9mm (0,35")	13mm+/-.5mm 11mm (0,43")
Axe Y	12mm+/-.5mm 8mm (0,31")	14mm+/-.5mm 7mm (0,28")
Axe Z	24mm+/-.5mm 23mm (0,90")	26mm+/-.5mm 25mm (0,98")

(*) Pour les installations UL : L'écart de séparation maximum recommandé pour l'installation (selon les matériaux précisés et les axes d'utilisation) est de 6 mm.

Installation de l'appareil

Évaluez la meilleure position de fixation du dispositif selon le niveau de protection souhaité et tenez compte des emplacements où l'impact de chocs violents sera plus attendu. Installez le dispositif en respectant les lignes directrices données dans ce manuel. Pour les installations UL/ULC, utilisez uniquement les vis de fixation fournies. Le dispositif est destiné à être installé sur des portes avec ou sans panneaux vitrés et sur les cadres de fenêtre et non sur la surface en verre. Pour la détection des contacts magnétiques, il est hautement recommandé de fixer le détecteur à la fenêtre/porte sur le cadre fixe et l'aimant sur la partie mobile. Placez l'aimant à non plus de 6 mm (0,25 po) du côté marqué de son détecteur. Réglez la sensibilité aux chocs à l'emplacement final d'installation (se reporter au paragraphe « Calibrage local du détecteur de choc »). Testez la sensibilité de l'unité en frappant doucement (en utilisant la paume de votre main) la surface de fixation du dispositif. Augmentez progressivement la pression jusqu'à ce que la réponse souhaitée soit obtenue. Vérifiez que le dispositif ne se déclenche pas pour des vibrations accidentelles (par exemple, vent, oiseaux, insectes) qui affectent la fenêtre ou la surface protégée. Le déplacement ou l'utilisation normale de la porte/fenêtre ne doit pas déclencher le détecteur de choc. Lors du test de la sensibilité de l'unité, n'exercez pas de contraintes excessives ou n'endommez pas la surface d'installation ou la vitre.

1. Serrez la base sur la surface de fixation en utilisant les deux vis fournies.
2. Montez l'aimant près des marques de son emplacement avec 2 vis.

AVERTISSEMENT : Afin d'éviter toutes blessures personnelles lors du test de sensibilité, n'exercez pas une pression excessive sur les panneaux vitrés ou les fenêtres.

Remarque : Le retrait du couvercle provoque la transmission d'un message de sabotage au système. Lors du retrait de la batterie ou après avoir remplacé la batterie, appuyez sur le contact anti-sabotage : le message de fin de sabotage ne sera pas transmis au système et l'alarme sera annulée.

Attention ! L'unité possède un contact anti-sabotage arrière en option sous le circuit imprimé. Le levier du contact appuiera contre un segment spécial de la base défonçable qui doit être

fixé à mur. Forcer le retrait du détecteur du mur brisera le segment de la base, ce qui ouvre le contact anti-sabotage.

Remarque : Pour les installations anti-intrusion commerciales UL, le contact anti-sabotage arrière est requis.

Configuration

Les options programmables suivantes sont disponibles:

Voyant d'alarme : Par défaut [Activé]

Active le voyant du dispositif pour qu'il s'allume en cas d'alarme.

Commutateur à lames : Par défaut [Désactivé]

Active/désactive le commutateur à lames.

Entrée externe : Par défaut [Désactivé]

Active l'entrée externe sur un détecteur de choc.

Supervision : Valeur par défaut [Activé]

Active la supervision

Accumulation de chocs : Par défaut [Désactivé]

Active le mécanisme intégré d'accumulation de chocs.

Sélections

Zone EDL : Par défaut [01]

Configure entrée auxiliaire selon l'une des options suivantes :

[00] Désactivé

[01] Simple

[02] Normalement ouvert

[03] Normalement fermé

Seuil de détection : Par défaut [08]

Entrez le seuil sur deux chiffres, de 01 (très faible) à 19 (très fort).

Calibrage local du détecteur de choc

Le PGx935 ne peut être calibré que localement quand le dispositif est en mode de diagnostic local (les 15 premières minutes qui suivent l'ouverture du couvercle). Pour le calibrage quand le détecteur n'est pas en mode de diagnostic local, réinitialisez le dispositif en fermant le contact anti-sabotage.

Remarque : Désactivez le paramètre d'accumulation lors du test du seuil. Après avoir activé l'afficheur, si aucun bouton est appuyé dans les 20 secondes, l'afficheur s'éteint.

1. Activez l'afficheur numérique en appuyant sur les boutons Haut ou Bas. La lettre « G » apparaît pendant 3 secondes,

puis un menu qui vous permet de sélectionner la valeur du seuil dans une plage de 1 à 19. Si la lettre « E » apparaît, aucune liaison de communication n'a pu être établie entre l'unité et la centrale, aucun modification ne doit être réalisée.

2. Modifiez le seuil en appuyant sur les boutons Haut ou Bas. Plus le seuil est faible, plus la sensibilité est grande. Utilisez les seuils les plus faibles pour des matériaux plus durs comme le béton.

3. Pour vous aider dans la sélection du seuil, alors que le menu est actif, frappez la surface avec la force nécessaire pour déclencher le détecteur. L'intensité des coups détectés sera indiquée sur l'afficheur sous la forme d'un nombre qui clignote pendant 3 secondes. Le nombre doit être compris entre 1 et 19, où 1 est la valeur la plus faible (une sensibilité plus grande est nécessaire) et 19 est la valeur la plus forte (une sensibilité plus faible est nécessaire). Si aucun nombre ne s'affiche, aucun choc n'a été détecté avec la frappe des coups. Si un trait d'union s'affiche, les coups dépassent le seuil le plus élevé du détecteur.

4. Répétez ce test plusieurs fois.

5. Une fois que vous avez entré la valeur souhaitée, réglez le seuil en appuyant simultanément sur les boutons Haut et Bas.
6. Le détecteur vous présente à présent le menu Accumulé (indiqué comme « A » sur l'afficheur). Appuyez sur les boutons Haut ou Bas pour l'activation ou la désactivation (respectivement « 1 » ou « 0 » sur l'afficheur). Réglez en appuyant simultanément sur les boutons Haut et Bas.
7. Si la lettre « E » apparaît sur l'afficheur, aucune liaison de communication n'a pu être établie entre l'unité et la centrale. Vérifiez que la centrale est alimentée.

Câblage de l'entrée auxiliaire

Remarque : L'entrée auxiliaire n'est pas couverte par INCERT.

1. Branchez les contacts du détecteur auxiliaire aux bornes de l'entrée auxiliaire.

2. Si l'entrée auxiliaire a été définie comme de type Normalement Fermé (N.F.), les contacts de capteur N.F. connectés en série doivent être exclusivement utilisés. Une résistance E.D.L. ne sera pas nécessaire.

3. Si l'entrée auxiliaire a été définie comme de type Normalement Ouvert (N.O.), les contacts de capteur N.O. connectés en parallèle doivent être exclusivement utilisés. Une résistance E.D.L. sera pas nécessaire.

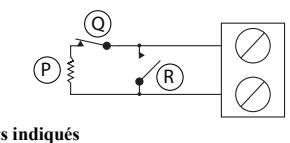
4. Pour la supervision E.D.L. : Les contacts de capteur Normalement Fermés (N.F.) peuvent être utilisés. Une résistance E.D.L. de 2.2 kΩ doit être reliée à l'extrémité de la boucle de zone.

Remarque : Pour les installations UL, le dispositif connecté au circuit de déclenchement doit être situé dans la même pièce que l'émetteur.

Le schéma ci-dessous illustre un circuit d'alarme N.F. et N.O. avec une résistance E.D.L.

Remarque : Un message d'alarme est transmis une fois que la boucle est en circuit ouvert ou en court-circuit.

Remarque : Pour les installations UL/ULC, branchez uniquement un dispositif homologué UL/ULC à l'entrée auxiliaire câblée.



Événements indiqués

Description des voyants	Événement
Voyant rouge allumé 0,2 s.	Contact anti-sabotage ouvert/fermé
Rouge allumé 2 s.	Choc
Rouge allumé 2 s.	Porte ouverte fermée
Rouge allumé 2 s.	Entrée auxiliaire ouverte fermée

Caractéristiques techniques

Bande de fréquence (MHz) : PG4935 homologué CE : 433 MHz ; PG8935 homologué CE : 868 MHz ; PG9935 homologué FCC/IC/UL/ULC : 912-919 MHz

Protocole de communication : PowerG

Entrée d'alarme : Une seule entrée auxiliaire

Supervision : Signalisation par intervalles de 4 mn.

Alarme de sabotage : Signalée quand un événement de sabotage survient

Type de pile : Batterie de type CR-123A de 3 V au lithium, exclusivement GP ou grand public.

Seuil de niveau faible de pile :

Durée de vie estimée de la pile : 5 ans (pour une utilisation typique) avec tous les détecteurs activés (non vérifiés par UL/ULC).

Seuil pile faible : 2,6 V

Consommation électrique : 20-30 µA environ (150 mA pendant l'émission).

Rayon de détection des chocs et niveau de sensibilité :

Certifié EN		
Type matériaux Porté	Porté détection	Sensibilité
Fenêtre en verre encadrée (A1)	1 m	15
Bois(A2)	1 m	12
Béton (A3)	0,5 m	4

Hauteur de cadre de porte : typique de 213 à 244 cm (de 7 à 8 pieds) 1/2

Largeur de cadre de porte : typique de 30,5 à 122 cm (de 1 à 4 pieds) 1/2

Épaisseur de cadre de porte : de 3,8 à 4,4 cm (11/2" à 13/4")

Dimension fenêtre/panneau vitré : toute dimension qui s'adapte au cadre de porte indiquée ci-dessus. Installez le contact de façon qu'une porte ou une fenêtre ne puisse être ouverte de plus de 5,1 cm (2") sans déclencher un état d'alarme.

Plage de Température : de -10 °C à +55 °C (l'organisme UL/ULC a vérifié uniquement la plage de 0 °C à +49 °C)

Taux d'humidité relative : 93% max., sans condensation (l'organisme UL/ULC a vérifié jusqu'à 85% max.)

Longueur de câble d'entrée auxiliaire : 10 m max. calibre AWG 22

Résistance EDL d'entrée auxiliaire : 2,2 KΩ

Dimensions : (L x l x P) 118 x 27 x 30 mm (4-5/8 x 1-1/8 x 1-3/16 po.)

Poids (pile incluse) : 130 g (4,6 oz)

Récepteurs compatibles

Cet appareil peut être utilisé avec les centrales et les récepteurs DSC dotés de la technologie PowerG.

Pour les installations UL/ULC, utilisez uniquement ces dispositifs en association avec des récepteurs sans fil DSC compatibles: WS900-19, WS900-29, HSM2HOST9, HS2LCDRF(P), HS2ICNR(P) et PG9920.

Remarque : Seuls les dispositifs fonctionnant dans la bande 912-919 MHz sont référencés UL/ULC.

Remarques UL/ULC

Le PG9935 est homologué UL pour les applications commerciales et résidentielles anti-intrusion et homologué ULC pour les applications résidentielles anti-intrusion conformément à la réglementation des normes UL 634 et ULC/ORDC634 pour les contacts de porte et de fenêtre.

Conformité aux normes

Europe : Le PGx935 est certifié par Applica Test & Certification selon les normes suivantes : EN50131-2-6, EN50131-2-8, EN 50131-5-3, EN50131-1 GRADE 2, CLASS II, EN50131-6 Type C. Conformément à la norme EN 50131-1, cet équipement peut être utilisé dans des systèmes installés jusqu'au niveau de sécurité 2 inclus, classe environnementale II.

Royaume-Uni : Ce produit es adapté aux systèmes conformes PD6662 Grade 2 a et à la classe environnementale 2, BS8243.

DÉCLARATION DE CONFORMITÉ UE 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:

PG4935 - <http://dsc.com/pdf/1401014>

PG8935 - <http://dsc.com/pdf/1401037>

Bandes de fréquences / Puissance maximale

h1.4 433.04MHz - 434.79MHz/10mW

h1.4 868.0MHz - 868.6MHz/10mW

h1.5 868.7MHz - 869.2MHz/10mW

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

POR EL MISMO TIPO O EQUIVALENTE RECOMENDADO POR EL FABRICANTE. DÉSCHE LAS BATERÍAS USADAS SEGÚN LAS INSTRUCCIONES DEL FABRICANTE.

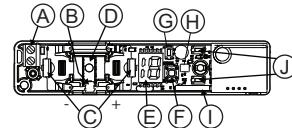
MANTÉNGALAS ALEJADAS DE NIÑOS PEQUEÑOS. SI LAS BATERÍAS SON INGERIDAS, CONSULTE INMEDIATAMENTE A UN DOCTOR.

No intente recargar estas baterías.

Nota: El reemplazo de la batería debe ser realizado por el instalador. Para utilizarse solamente en ubicaciones interiores no peligrosas.

Nota: Para asegurar la operación continuada de todos los dispositivos inalámbricos después de realizar una puesta del sistema a sus valores predeterminados, se recomienda realizar una carga global de toda la programación inalámbrica vía DLS antes de poner el sistema en sus valores predeterminados. Después de terminar la puesta del sistema a sus valores predeterminados, descargue la programación inalámbrica.

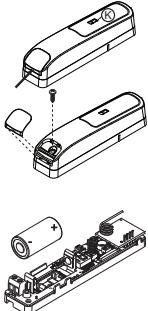
Legenda



- A. Terminales auxiliares de entrada
- B. Interruptor contra manipulación trasera
- C. Conectores de batería
- D. Segmento de rotura de manipulación trasera
- E. Pantalla digital
- F. Interruptor delantero contra manipulación
- G. Botón de asociar
- H. LED
- I. Interruptor de láminas en la parte inferior de tarjeta de PC (en la unidad)
- M. El símbolo en el lado de la caja indica la ubicación del interruptor de láminas
- N. Imán
- O. ¼ pulg. de espacio como máximo (6 mm)
- P. Resistencia de 2.2 kΩ
- Q. Interruptor N.C.
- R. Interruptor N.A.

Instale la batería

1. Inserte un destornillador plano en la ranura y empuje hacia arriba para retirar la cubierta.
 2. Retire el tornillo y separe la cubierta de la base.
 3. Observe la polaridad e instale la batería.
 4. Conecte el conductor del sensor al bloque de terminales.
- Nota:** Al programar manualmente los dispositivos inalámbricos, si un dispositivo ha estado alimentado por más de 48 horas, no podrá asociarse en el sistema hasta que haya sido manipulado y restaurado.
- Nota:** Después de restaurar un problema de batería baja, el sistema puede tardar hasta 5 minutos para eliminar el problema.



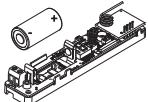
Asocie el dispositivo al sistema

Consulte el manual de instalación de PowerSeries Neo Host o el manual de referencia iotega para obtener más información sobre la asociación del dispositivo.

Prueba de colocación

Antes de montar permanentemente cualquier dispositivo inalámbrico, Monte el dispositivo temporalmente y realice una prueba de colocación.

1. Manipule el dispositivo mediante el retiro de la cubierta.
2. Reinstale la cubierta para establecer el interruptor contra manipulación y el dispositivo permanecerá en modo de colocación por 15 minutos.
3. Dispare el dispositivo abriendo la puerta o la ventana y verifique que el LED rojo parpadea, indicando detección.
4. Después de 2 segundos el LED parpadea 3 veces. La tabla siguiente indica la potencia de la señal recibida.



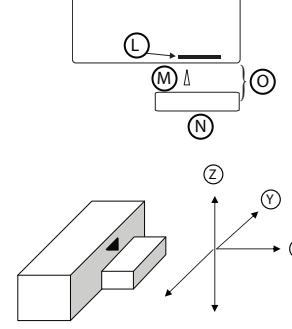
Respuesta del LED	Intensidad de señal
El LED verde parpadea	FUERTE
El LED naranja parpadea	BUENA
El LED rojo parpadea	BAJA
No parpadea	Ninguna comunicación

¡IMPORTANTE! Solamente las potencias de señal BUENA o FUERTE son aceptables. Si usted recibe una señal BAJA del dispositivo, reubíquelo y vuelva a probarlo hasta que reciba una señal BUENA o FUERTE.

Nota: Para instalaciones UL/ULC, solamente los niveles de señal FUERTE son aceptables. Después de la instalación, verifique la funcionalidad del producto junto con los receptores compatibles.

Nota: Puede encontrar instrucciones detalladas sobre la colocación en la Guía de referencia del panel de control.

Separación de la luz



Nota: Al retirar la cubierta se transmite un mensaje de manipulación al sistema. Al retirar la batería, presione el interruptor contra manipulación, o de otro modo, después de reemplazar la batería, el mensaje de Reposición de manipulación no se transmitirá al sistema y la alarma no será borrrada.

¡Atención! La unidad tiene un interruptor trasero contra manipulación opcional debajo del PCB. La palanca del interruptor será presionada contra un segmento de base de ruptura especial que debe estar sujeto a la pared. El retroceso violento del detector de la pared rompe el segmento base, abriendo el interruptor contra manipulación.

Nota: Para instalaciones comerciales UL contra robo, se requiere el interruptor contra manipulación

Configuración

Las siguientes opciones programables están disponibles:

LED de alarma - Predeterminado [Activa]

Permite a los LED de los dispositivos activarse cuando ocurre un evento de alarma.

Interruptor de láminas - Predeterminado [Desactiva]

Activa/desactiva el interruptor de láminas.

Entrada externa - Predeterminado [Desactiva]

Habilita la entrada externa en un sensor de choque.

Supervisión - Predeterminado [Activa]

Habilita la supervisión.

Acumulación de choque - Predeterminado [Desactiva]

Habilita el mecanismo de integración para la detección de un choque débil.

Selecciones

Zona EOL - Predeterminado [01]

Configura la entrada auxiliar como una de las opciones siguientes:

- | | | |
|--------------------------|-----------------|--------------------------|
| [00] Deshabilitado | [01] EOL simple | [02] Normalmente abierta |
| [03] Normalmente cerrada | | |

Umbral del sensor - Predeterminado [08]

Ingrese el umbral de dos dígitos desde 01(muy débil) a 19 (muy fuerte).

Calibración local del detector de choque

El PGx935 solo puede ser calibrado localmente cuando el dispositivo está en modo de diagnóstico local (primeros 15 minutos después de abrir la cubierta). Para calibrar cuando no se está en modo de diagnóstico local, restaure el dispositivo cerrando el interruptor contra manipulación.

Nota: Deshabilite el parámetro de acumulación mientras prueba el umbral. Si después de activar la pantalla no se pulsa ningún botón dentro de 20 segundos, la pantalla se apaga.

1. Encienda la pantalla digital pulsando el botón **Arriba** o **Abajo**. La letra "G" aparece por 3 segundos y después un menú que le permite seleccionar el umbral en un rango de 1 a 19. Si aparece la letra "E", no hay enlace de comunicaciones entre la unidad y el panel de control y no se realizará ningún cambio.

Nota: Deshabilite el parámetro de acumulación mientras prueba el umbral. Si después de activar la pantalla no se pulsa ningún botón dentro de 20 segundos, la pantalla se apaga.

2. Cambie el umbral pulsando el botón **Arriba** o **Abajo**. Cuanto más bajo es el umbral, más alta es la sensibilidad. Use los umbrales más bajos para materiales más duros, como concreto.

Nota: Para obtener ayuda en la selección de un umbral, mientras el menú está activo, golpee en la superficie con la fuerza necesaria para disparar el detector. La potencia del golpe detectado será mostrada en la pantalla como un número destellando durante 3 segundos. El número debe estar en el rango de 1 a 19, donde 1 es muy débil (requiere una sensibilidad más alta) y 19 es muy fuerte (requiere menos sensibilidad). Si no se visualiza ningún número, no se detectó el golpe. Si se muestra un guión, el golpe excede el umbral más alto del detector.

3. Repita la prueba varias veces.

Nota: Cuando haya ingresado el valor deseado, establezca el umbral pulsando los botones **Arriba** y **Abajo** simultáneamente.

4. El detector ahora se mueve al menú Acumulado, (que se muestra como "A" en la pantalla). Pulse los botones **Arriba** o **Abajo** para activar o desactivar ("1" o "0" respectivamente en la pantalla). Establezca el valor pulsando los botones **Arriba** y **Abajo** simultáneamente.

Nota: Si la letra "E" aparece en la pantalla, entonces no hay enlace de comunicaciones entre la unidad y el panel de control.

5. Si la letra "E" aparece en la pantalla, entonces no hay enlace de comunicaciones entre la unidad y el panel de control.

Nota: Si la letra "E" aparece en la pantalla, entonces no hay enlace de comunicaciones entre la unidad y el panel de control.

6. Si la letra "E" aparece en la pantalla, entonces no hay enlace de comunicaciones entre la unidad y el panel de control.

Nota: Si la letra "E" aparece en la pantalla, entonces no hay enlace de comunicaciones entre la unidad y el panel de control.

7. Si la letra "E" aparece en la pantalla, entonces no hay enlace de comunicaciones entre la unidad y el panel de control.

Nota: Si la letra "E" aparece en la pantalla, entonces no hay enlace de comunicaciones entre la unidad y el panel de control.

Cableado de entrada auxiliar

Nota: La entrada auxiliar no está cubierta por INCERT.

1. Conecte los contactos auxiliares del sensor a través de las terminales de la entrada auxiliar.

2. Si la entrada auxiliar se define como del tipo normalmente cerrada (N.C.), deben usarse únicamente los contactos del sensor N.C. conectados en serie. No será necesaria una resistencia E.O.L.

3. Si la entrada auxiliar se define como del tipo normalmente cerrada (N.C.), deben usarse únicamente los contactos del sensor N.C. conectados en serie. No será necesaria una resistencia E.O.L.

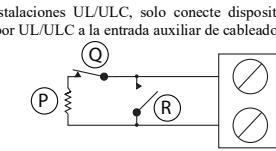
4. Para supervisión E.O.L.: Puede usarse los contactos del sensor normalmente cerrados (N.C.). Debe conectarse una resistencia de 2.2 kΩ de final de linea (EOL) en el extremo lejano del bucle de la zona.

Nota: Para instalaciones UL, el dispositivo conectado con el circuito de iniciación se debe ubicar en la misma habitación que el transmisor.

El gráfico siguiente ilustra un circuito de alarma N.A. y N.C. con la resistencia EOL.

Nota: Se transmite un mensaje de alarma cuando el bucle se abre o se pone en cortocircuito.

Nota: Para instalaciones UL/ULC, solo conecte dispositivos homologados por UL/ULC a la entrada auxiliar de cableado.



Indicaciones de eventos

Indicaciones del LED	Evento
LED rojo encendido 0,2 seg.	Abrir/cerrar interruptor contra manipulación
Rojo encendido 2 seg.	Choque
Rojo encendido 2 seg.	Abrir/cerrar puerta

Especificaciones

Banda de frecuencia (MHz) : - PG4935 homologado por CE: 433 MHz; PG8935 homologado por CE: 868 MHz; PG9935 homologado por FCC/IC/UL/ULC: 912-919 MHz

Protocolo de comunicación: PowerG

Entrada de alarma: Una auxiliar

Supervisión: Señalización a intervalos de 4 minutos

Alerta contra manipulaciones: Informado cuando ocurre un evento de manipulación

Tipo de batería: CR-123A de litio, 3 V para uso comercial, GP solamente.

Uso útil de la batería: 5 años (para uso típico) con todos los sensores habilitados. (no verificado por UL/ULC).

Umbral de batería baja: 2,6 V

Consumo de corriente: Aproximadamente 20 a 30 µA (150 mA durante la transmisión).

Radio de detección de impacto y nivel de sensibilidad:

Certificado EN		
Material de la base Radio de	Material de la base Radio de	Material de la base Radio de
Ventana de vidrio Enmarcada (material de prueba estándar A1)	1 m	15
Placa de madera (material de prueba estándar A2)	1 m	12
Placa de hormigón (material de prueba estándar A3)	0.5 m	4

Alto del marco de la puerta: típico 7 a 8 pies (213 a 244 cm) 1/2

Ancho del marco de la puerta: típico 1 a 4 pies (30,5 a 122 cm) 1/2

Espesor del marco de la puerta: 11/2 a 13/4 pulgadas (3,8 a 4,4 cm)

Tamaño del inserto de la ventana/de cristal: cualquier tamaño que encaje dentro del marco de puerta indicado anteriormente. Instale el contacto de modo que una puerta o ventana no pueda ser abierta más de 2 pulgadas (5,1 cm) sin causar una condición de alarma.

Rango de temperatura: -10 °C a +55 °C (UL/ULC verificó entre 0 °C a +49 °C)

Humedad relativa: 93% como máximo de humedad relativa, sin condensación (verificado por UL/ULC 85% como máximo de humedad relativa)

Largitud de cable de entrada Aux: 10 m como máx., AWG22

Resistencia EOL de entrada auxiliar: 2,2 kΩ

Dimensiones: (Largo x Ancho x Fondo) 118 x 27 x 30 mm (4-5/8 x 1-1/8 x 1-3/16 pulg.)

Peso (incluyendo batería): 130 g (4,6 oz)

Receptores compatibles

Es posible utilizar este dispositivo con paneles y receptores DSC que usen tecnología Power G.

Para instalaciones UL/ULC use estos dispositivos solamente con receptores inalámbricos DSC compatibles: WS900-19, WS900-29, HSM2H079, HS2LCDRF(P)9, HS2ICNRF(P)9 y PG9920.

Nota: Solo los dispositivos que operan en la banda de 912-919 MHz están homologados por UL/ULC.

Nota: Solo el modelo PG9935 que opera en la banda de frecuencia de 912-919 MHz está homologado por UL/ULC.

Notas UL/ULC

La sirena PG9935 ha sido homologada por UL para aplicaciones comerciales y residenciales contra robo y por ULC para aplicaciones residenciales contra robo de acuerdo con los requisitos indicados en las normas UL 634 y ULC/ORDC634 para contacto de puertas y ventanas.

Cumplimiento de las normas

CE Test & Certification a los siguientes estándares: EN50131-2-6, EN50131-2-8, EN 50131-5-3, EN50131-1 GRADO 2, CLASE II, EN50131-6-Tipo C. Según EN 50131-1, este equipo se puede aplicar en sistemas instalados hasta e incluyendo seguridad Grado 2, clase medioambiental II.

Reino Unido: el PG8984 es adecuado para uso en sistemas instalados para cumplir con PD6662 en Grado 2 y clase medioambiental 2, BS8243.

DECLARACIÓN DE CONFORMIDAD SIMPLIFICADA PARA LA UE Por la presente, Tyco Safety Products Canada Ltd declara que el tipo de equipo de radio cumple con la Directiva 2014/53/UE. El texto completo de la declaración de conformidad para la UE está disponible en la dirección de Internet siguiente: PG4935 - <http://dsc.com/pdf/1401014>

PG8935 - <http://dsc.com/pdf/1401037>

Bandas de frecuencia / Potencia máxima

g1 433.04MHz – 434.79MHz/10mW
h1.4 868.0MHz – 868.6MHz/10mW
h1.5 868.7MHz – 869.2MHz/10mW
Punto de contacto único en Europa: Tyco Safety Products, Voltaweg 20, 6101 XK Echt, Holanda.

PORTUGUÊS

PG9935(E)/PG8935/PG4935

Detector de Contato e Choque Sem Fio 2 vias
PowerG com Instruções de Instalação de Entrada
Cabeada

Funcionamento

A Série PGx935 são contatos magnéticos sem fio 2 vias com detector choque opcional e entrada auxiliar. O PGx935 é apropriado para janelas, portas, paredes ou telhados e é ideal para instalações residenciais ou comerciais. Deteta e analisa uma série de choque de nível reduzido (até 10 choques de nível reduzido em 30 segundos) e fornece um aviso antecipado de qualquer tentativa de intrusão antes do arrombamento.

Características

- Choque opcional/sensor vibração.
- Os indicadores de qualidade de ligação integrada reduzem o tempo de instalação, eliminando a necessidade de o instalador se aproximar do painel de controle.
- Comutador Reed.
- Entrada auxiliar opcional para conectar outros dispositivos com cabeamento. Use apenas os dispositivos classificados UL/ULC roubo. A entrada auxiliar não é coberta pelo INCERT.
- O visor digital ativa o ajuste fácil e rápido do nível de choque.
- Configuração total remota elimina a necessidade de acessar fisicamente ao detector de choque.

- Vista remota de: Bateria Fraca, Bloqueio frontal e traseiro, Supervisão.
- Um LED acende-se sempre que são reportados eventos de bloqueio ou alarme.

Detección de batería fraca

O PGx935 inclui a detección de condición de batería fraca. Sempre que esta condición es detectada una mensajem de problema es transmitida para o painel receptor/controlre. Isso providenciará identificación visual da unidade que necessita de substituição da bateria. Para as instalaciones UL de roubo comercial substituir a bateria todos os anos.

Configurar Dispositivo

CUIDADO!

Este producto usa baterias de litio. El maneamiento inadequado das baterias de litio pode resultar em GERAÇÃO DE CALOR, EXPLOSÃO ou INCÉNDIO, que pode dar origem a lesões personais.

CUIDADO! Deve ser instalada por pessoas qualificadas apenas.

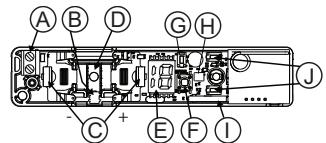
AVISO! PERIGO DE EXPLOSÃO SE AS BATERIAS FOREM INSTALADAS INCORRETAMENTE. SUBSTITUIR APENAS POR BATERIAS DE TIPO EQUIVALENTE RECOMENDADO PELO FABRICANTE. ELIMINE AS BATERIAS USADAS CONFORME AS INSTRUÇÕES DO FABRICANTE. MANTENHA AFASTADO DAS CRIANÇAS: SE AS BATERIAS FOREM INGERIDAS, CONSULTE UM MÉDICO IMEDIATAMENTE.

Nota: Não tente recargar estas baterias.

Nota: A substituição da bateria deve ser realizada pelo instalador. Para uso no interior, apenas locais considerados não perigosos.

Nota: Para garantir um funcionamento contínuo de todo os dispositivos sem fio depois de executar uma predefinição do sistema é recomendado um carregamento global da programação de todos os dispositivos sem fio através DLS antes de padronizar o sistema. Depois de concluir a predefinição do sistema, faça o download da programação sem fio.

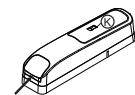
Legenda



- A. Terminais de entrada auxiliar
- B. Comutador de bloqueio traseiro
- C. Clipes da bateria
- D. Segmento de ruptura do bloqueio traseiro
- E. Tela digital
- F. Comutador de bloqueamento frontal
- G. Botão de registro
- H. LED
- I. Comutador Reed
- J. Botões para cima e para baixo
- K. LED
- L. Comutador Reed no lado inferior da Placa PC (em unidade)
- M. Símbolo no lado da caixa indica localização do comutador Reed
- N. Ímã
- O. Espaço máximo 1/4" (6 mm)
- P. Resistor 2.2 kΩ
- Q. Comutador N.C.
- R. Comutador N.O.

Instale a bateria

1. Introduza uma chave de fenda de cabeça plana na ranhura e pressione para frente para remover a tampa.
2. Retire o parafuso e separe a tampa da base.



3. Respeite a polaridade e instale a bateria.
4. Conecte o fio do sensor ao bloco de terminal.

Nota: Sempre que estiver programando manualmente os dispositivos sem fio, se um dispositivo estiver funcionando durante mais de 48 horas não pode ser registrado no sistema até que o dispositivo seja bloquedo e restaurado.

Nota: Após restaurar um baixo problema de bateria do sistema pode levar até 5 minutos para limpar o problema.

Registre o dispositivo no sistema

Consulte o manual de instalación de PowerSeries Neo Host o manual de referencia ioteca para obtener más información sobre la asociación del dispositivo.

Teste de Colocação

Antes de montar permanentemente qualquer dispositivo sem fio, monte temporariamente o dispositivo e realize um teste de Colocação.

1. Bloqueie o dispositivo removendo a tampa.
2. Substitua a tampa para restaurar o bloqueio e o dispositivo ficará no modo de colocação durante 15 minutos.
3. Arme o dispositivo abrindo a porta ou janela e verifique se o LED piscá, indicando detecção.
4. Depois de 2 segundos o LED piscá 3 vezes. A tabela seguinte indica a intensidade do sinal.

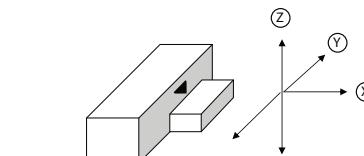
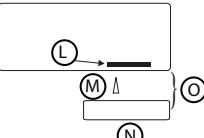
Resposta LED	Intensidade do sinal
LED verde piscando	FORTE
LED laranja piscando	BOM
LED Vermelho piscando	FRACO
Não piscá	Nenhuma comunicação

IMPORTANTE! Apenas são aceitáveis as intensidades de sinal BOM ou FORTE. Se receber um sinal FRACO do dispositivo, volte a colocar o dispositivo e volte a testar até ser recebido um sinal BOM ou FORTE.

Nota: Para instalaciones UL/ULC, apenas são aceitáveis os níveis de sinal FORTE. Depois da instalación, verifique a funcionalidade em conjunto com os receptores compatíveis.

Nota: Para instruções detalhadas de Colocação, consulte o Guia de Referência do painel de controle.

Separação da abertura



Materiais Metálicos (Ferrosos)	Materiais Não metálicos/ Metálicos (não ferrosos)
Aproximação/ Realizar	Remover/Interromper
11mm+/-5mm 9mm (0,35")*	13mm+/-5mm 22mm (0,86")*
12mm+/-5mm 8mm (0,31")*	14mm+/-5mm 13mm (0,51")*
24mm+/-5mm 23mm (0,90")*	26mm+/-5mm 27mm (1,06")*

Montar o dispositivo

Avalie a melhor posição de montagem para o dispositivo baseado no nível desejado de proteção e considerando localizações em que é esperado um forte impacto de choque. Instale o dispositivo conforme as orientações apresentadas neste manual. Para instalaciones com classificação UL/ULC, use apenas os parafusos de montagem providenciados. O dispositivo destina-se a ser instalado em portas com ou sem inserções de vidro e em estruturas de janela na superficie de vidro atual. Para a detecção do contato magnético, é muito recomendado fixar o detector à porta/janela na estrutura fixa e o ímã na parte de movimento (porta ou janela). Coloque o ímã a no máximo de 6 mm (0,25 pol.) do lado marcado do detector. Ajuste a regulação de sensibilidade de choque na posição final de montagem (consulte a seção "Calibración Local do Detector de Choque"). Teste a sensibilidade da unidade tocando ligeiramente (use a palma da sua mão) a superficie em a qual o dispositivo está instalado. Aumente gradualmente a pressão até que a resposta desejada seja obtida. Garanta que o dispositivo não é acionado por vibração accidental (por ex. vento, pássaro, inseto) que atinjam a janela ou superficie protegida. O curso ou funcionamento normal da porta/janela não deve acionar o sensor de choque. Sempre que esteja testando a sensibilidade da unidade, não cause pressão ou dano na superficie de montagem ou no vidro.

1. Fixe a base na superficie de montagem usando os dois parafusos fornecidos.

CUIDADO! Não use fita adesiva de dupla face, porque isso isolará o detector das vibrações.

2. Monte o ímã perto da marca de sua localização com 2 parafusos.

AVISO: De maneira a evitar dano pessoal enquanto está testando a sensibilidade, não aplique pressão nas inserções de vidro ou janelas.

Nota: Removendo a tampa transmite uma mensagem de bloquio ao sistema. Sempre que remover a bateria pressione o comutador de bloquio ou depois de substituir a bateria a mensagem de Restaura de bloquio não será transmitida ao sistema e o alerta não será eliminado.

Atenção! A unidade tem um comutador de bloquio traseiro opcional em baixo do PCB. A alavanca do comutador será presionada contra um segmento de base de ruptura especial que deve ser fixado à parede. Com força remova o detector do segmento de base das entradas da parede, abrindo o comutador de bloquio. **Nota:** Para instalaciones de roubo comercial UL é necessário o bloquio traseiro.

Configuração

Las siguientes opciones programables están disponibles:

LED Alarme - Predefinido [Ativa]

Ativa o LED dos dispositivos sempre que ocorrer um evento de alarme.

Comutador Reed - Predefinido [Desativa]

Ativa/desativa o comutador Reed.

Entrada externa - Predefinido [Desativa]

Ativa a entrada externa num sensor de choque.

Supervisão - Predefinido [Ativa]

Ativa a supervisão.

Acumulação Choque - Predefinido [Desativa]

Ativa o mecanismo de integração para detecção de choque fraco.

Seleções

Zona EOL - Predefinido [01]

Configura a entrada auxiliar como nas seguintes opções:

- [00] Desativado
- [01] EOL Único
- [02] Normalmente Aberto

- [03] Normalmente Fechado

Limite sensor - Predefinido [08]

Insira o limite de dois dígitos de 01 (muito fraco) - 19 (muito forte)

Calibración Local do Detector de Choque

O PGx935 pode apenas ser calibrado localmente quando o dispositivo está em modo de Diagnóstico Local (primeiros 15 minutos depois de abrir a tampa). Para calibrar sempre que não está em modo de diagnóstico local reinicia o dispositivo fechando o comutador de bloquio.

Nota: Desative o parametruo de acumulação enquanto está testando o limite. Se, depois da ativação não forem pressionados os botões na tela em 20 minutos, a tela se desliga.

1. Ligue a tela digital pressionando o botão Up ou Down. A letra "G" aparece durante 3 segundos, depois um menu permitindo-lhe selecionar o limite em um intervalo de 1-19. Se a letra "E" aparece não há ligação de comunicação entre a unidade e o painel de controle e não deve ser realizadas alterações.

Tipo de bateria: Tipo de bateria de litio 3 V CR-123 tipo consumidor, apenas GP.

Duración da bateria: 5 años (para uso normal) com todos os sensores ativados. (não testado por UL/ULC).

Limite de bateria fraca: 2,6 V

Consumo de corrente: De 20-30 µA aprox. (150 mA durante transmissão).

2. Altere o limite pressionando o botão Up ou Down . Quanto menor for o limite, maior é a sensibilidade. Use os limites mais baixos para materiais mais duros, como o concreto.
3. Para ajudar na seleção de um limite, enquanto o menu está ativo, bata na superficie com a força necessária para acionar o detector. A potência da batida detetada será apresentada na tela como um número piscando durante 3 segundos. O número deve estar entre 1 e 19, em que 1 é muito fraco (exigindo sensibilidade mais elevada) e 19 é muito forte. Se não aparecer qualquer número, não foi detetado nenhum choque proveniente da batida. Se for exhibido um hífen, a batida excede o limite mais elevado do detector.
4. Repita o mesmo teste várias vezes.
5. Depois de ter inserido o valor desejado defina o limite pressionando simultaneamente os botões Up e Down.
6. O detector agora se move para o menu Acumulado, (mostrado como "A" na tela). Pressione os botões Up ou Down para Ativar ou Desativar ("1" ou "0" respectivamente na tela). Defina pressionando simultaneamente os botões Up e Down.
7. Se aparecer a letra "E" na tela, então não há ligação de comunicação entre a unidade e o painel de controle. Verifique se o painel de controle tem alimentação.

Fixação de entrada auxiliar

Nota: A entrada auxiliar não é coberta pelo INCERT.

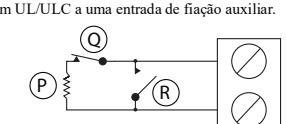
1. Conete os contactos do sensor auxiliar através dos terminais de entrada auxiliar.
2. Se a entrada auxiliar está definida como tipo Normalmente Fechada (N.C.), têm de ser usados exclusivamente os modelos dos contactos do sensor N.C. conectados. Não será necessário um resistor E.O.L.
3. Se a entrada auxiliar está definida como tipo Normalmente Aberta (N.O.), têm de ser usados exclusivamente os modelos dos contactos do sensor N.O. conectados. Não será necessário um resistor E.O.L.
4. Para a supervisão E.O.L: Podem ser usados os contactos do sensor normalmente fechados (N.C.). A 2,2 kΩ O resistor E.O.L tem de ser conectado no terminal mais afastado do loop da zona.

Nota: Para instalaciones UL, o dispositivo conectado ao circuito de inicialização tem de estar localizado na mesma sala que o transmisor.

O desenho embaixo ilustra um circuito de alarme N.O. e N.C. com o resistor E.O.L.

Nota: É transmitida uma mensagem de alarme assim que o loop é aberto ou curto-circuitado.

Nota: Para instalaciones UL/ULC conecte apenas o dispositivo classificado com UL/ULC a uma entrada de fiação auxiliar.



Indicações de eventos

Indicações LED	Evento
LED vermelho em 0,2 seg.	Bloqueio aberto/fechado
Vermelho em 2 seg.	Choque
Vermelho em 2 seg.	Abrir fechar porta
Vermelho em 2 seg.	Abrir fechar entrada Aux

Especificaciones

Faixa de Frequência (MHz) - PG4935 classificado CE: 433 MHz; PG8935 com classificação CE: 868 MHz; PG9935 com classificação FCC/IC/UL/ULC: 912-919 MHz

Protocolo de Comunicación: PowerG

Entrada de alarma: Una auxiliar

Verificación: Assinalando em intervalos de 4 min.

Alerta de Bloqueio: Reportado sempre que ocorre um evento de bloqueio.

Tipo de bateria: Tipo de bateria de litio 3 V CR-123 tipo consumidor, apenas GP.

Duración da bateria: 5 años (para uso normal) com todos os sensores ativados. (não testado por UL/ULC).

Limite de bateria fraca: 2,6 V

Consumo de corrente: De 20-30 µA aprox. (150 mA durante transmisión).

Raio de detecção de choque e nível de sensibilidade:

EN Certificado		
Material da Placa	Raio de detecção de choque	Nível de sensibilidade
Janela de vidro emoldurada (material de teste padrão A1)	1 m	15
Placa de madeira (material de teste padrão A2)	1 m	12
Placa de concreto (material de teste padrão A3)	0.5 m	4

Altura da estrutura da porta: normal 7 pés a 8 pés (213 a 244 cm) 1/2

Largura da estrutura da porta: normal 1 pés a 4 pés (30,5 a 122 cm) 1/2

Espessura da estrutura da porta: 11/2" a 13/4" (3,8 a 4,4 cm)

Dimensão da inserção do vídeo/janela: qualquer dimensão que se ajustará à estrutura da porta acima listada. Instale o contato de modo que a porta ou janela não pode ser aberta mais que 2" (5,1 cm) sem causar uma condição de alarme.

Limite de temperatura: -10°C a +55°C (UL/ULC verificado 0°C a +49°C)

Umidade Relativa: máx. 93%UR, sem condensação (UL/ULC verificado máx 85%UR)

Comprimento do cabo de entrada auxiliar: 10 m máx. AWG22

Resistor EOL entrada auxiliar: 2,2 KΩ

Dimensões: (CxLxP) 118 x 27 x 30 mm (4-5/8 x 1-1/8 x 1-3/16 pol.)

Peso (com bateria): 130 g (4,6 oz)

Receptores Compatíveis

É possível utilizar este dispositivo com painéis y receptores DSC que usen tecnología PowerG.

Para instalaciones UL/ULC, use estos dispositivos apenas em conjunto como receptores sem fio compatíveis com DSC: WS900-19, WS900-29, HSM2HOST9, HS2LCDRF(P)9, HS2ICNRF(P)9 e PG9920.

Nota: Apênas os dispositivos operando na faixa 912-919 MHz são classificados como UL/ULC.

Nota: Apênas o modelo PG9935 opera em faixa de frequência 912-919 MHz e é classificado UL/ULC.

Notas UL/ULC

O modelo PG9935 foi classificado pela UL para aplicações residenciais e comerciais de roubo e pela ULC para aplicações residenciais de roubo conforme os requisitos das Normas UL 634 e ULC/ORDC634 para Contato Porta e Janela.

Conformidade com normas

CE Europa: O PG935 é certificado por Applica Test e Certification para os seguintes padrões: EN50131-2-6, EN50131-2-8, EN 50131-5-3, EN50131-1 GRAU 2, CLASSE II, EN50131-6 Tipo C. De acordo com EN 50131-1, este equipamento

pode ser aplicado em sistemas instalados até e incluindo Segurança Grau 2, Classe Ambiental II.

Reino Unido: O PG8984 é adequado para uso em sistemas instalados em conformidade com PD6662 em Grau 2 e classe ambiental 2, BS8243.

DECLARAÇÃO UE DE CONFORMIDADE 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:

PG4935 - <http://dsc.com/pdf/1410104>

PG8935 - <http://dsc.com/pdf/14101037>

Bandas de frequências/ Potência máxima

g1 433.0MHz - 434.79MHz 10mW

h1.4 868.0MHz - 868.6MHz 10mW

h1.5 868.7MHz - 869.2MHz 10mW

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

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ESTA GARANTÍA CONTIENE LA GARANTÍA COMPLETA Y ES VÁLIDA, EN LUGAR DE CUALQUIER OTRA GARANTÍA, YA EXPRESA O IMPLÍCITA (INCLUYENDO TODAS LAS GARANTÍAS IMPLÍCITAS DE MERCANTIBILIDAD O APTITUD PARA UN PROPÓSITO DETERMINADO), DE TODAS LAS OBLIGACIONES O RESPONSABILIDADES POR PARTE DE DSC. DSC NO CONCEDE OTRAS GARANTÍAS. DSC TAMPoco ASUME NI AUTORIZA A NINGUNA OTRA PERSONA QUE PRETENDA ACTUAR EN SU NOMBRE PARA MODIFICAR O CAMBIAR ESTA GARANTÍA NI PARA ASUMIR PARA ELLA NINGUNA OTRA GARANTÍA O RESPONSABILIDAD RELATIVA A ESTE PRODUCTO DE SOFTWARE.

(e) REPARACIÓN EXCLUSIVA Y LIMITACIÓN DE GARANTÍA BAJO NINGUNA CIRCUNSTANCIA DSC SERÁ RESPONSABLE DE CUALQUIER DANO ESPECIAL, IMPREVISTO O CONSECUENTE O LOS DANOS INDIRECTOS BASADOS EN INFRACTION DE LA GARANTÍA, INFRACTION DEL CONTRATO, NEGLIGENCIA, RESPONSABILIDAD

ESTRICTA O CUALQUIER OTRA TEORÍA LEGAL. TALES DAÑOS INCLUYEN, PERO NO SE LIMITAN, A PÉRDIDAS DE BENEFICIOS, PÉRDIDA DEL PRODUCTO DE SOFTWARE O CUALQUIER EQUIPO ASOCIADO, COSTE DE CAPITAL, COSTE DE SUSTITUCIÓN O REEMPLAZO DE EQUIPO, INSTALACIONES O SERVICIOS, DOWN TIME, TIEMPO DEL COMPRADOR, REIVINDICACIONES DE TERCEROS, INCLUYENDO CLIENTES, Y DANOS A LA PROPIEDAD.

ADVERTENCIA: DSC recomienda que se prueba todo el sistema completamente de modo regular. Sin embargo, a pesar de las pruebas frecuentes, y debido a ellas, pero no limitado a las mismas, intento criminal de forzarla o interrupción eléctrica, es posible que este PRODUCTO DE SOFTWARE falle con relación al desempeño esperado.

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7. LIMITES DE GARANTIA

(a) ISENCIÓN DE GARANTIA

A DSC FORNECE O SOFTWARE "TAL COMO ESTÁ" SEM

GARANTIA. A DSC NÃO GARANTE QUE O SOFTWARE IRA AO

ENCONTRO DOS SEUS REQUISITOS OU QUE O

FUNCIONAMENTO DO SOFTWARE SEJA ININTERRUPTO OU

LIVRE DE ERROS.

(b) ALTERAÇÕES AO AMBIENTE OPERATIVO

A DSC não se responsabiliza por problemas causados por alterações

às características operativas do HARDWARE, ou por problemas na

interacção do PROGRAMA com SOFTWARE ou HARDWARE não produzido pela DSC.

(c) LIMITAÇÕES DE RESPONSABILIDADE; A GARANTIA

REFLECTE À ALOCAÇÃO DE RISCO

EM QUALQUER CASO, SE ALGUM ESTATUTO IMPLICAR

GARANTIAS OU CONDIÇÕES NÃO MENCIONADAS NESTE

ACORDO DE LICENCIAMENTO, A RESPONSABILIDADE TOTAL DA

DSC NÃO SERÁ SUPERIOR AO VALOR EFECTIVAMENTE

PAGO POR V. EXA. PELA LICENCIAMENTO DO PROGRAMA

E CINCO DÓLARES CANADIANOS (CAD\$5.00).

POQUE ALGUMAS JURISDICCIONES NÃO PERMITEM A EXCLUSÃO OU

LIMITAÇÃO DE RESPONSABILIDADE PARA DANOS

CONSEQUENTES OU ACCIDENTAIS, A LIMITAÇÃO ACIMA

INDICADA PODERÁ NÃO SE APLICAR A V. EXA.

(d) ISENÇÃO DE GARANTIAS

ESTA GARANTIA CONTÉM A GARANTIA COMPLETA E

DEVERÁ PREVALEcer SOBRE TODA E QUALQUER

GARANTIA, EXPRESSA OU IMPLÍCITA (INCLUINDO TODAS

AS GARANTIAS DE COMERCIALIZAÇÃO OU ADAPTAÇÃO

OU PARA UM DETERMINADO FIM.) E A TODAS AS OUTRAS

OBRIGAÇÕES OU RESPONSABILIDADES POR PARTE DA

DSC. A DSC NÃO DÁ QUAISSER OUTRAS GARANTIAS. A

DSC NÃO ASSUME NEM AUTORIZA QUALQUER OUTRA

GARANTIA, NEM PARA QUE POSSA ASSUMIR POR SI DSC

QUALQUER OUTRA GARANTIA OU RESPONSABILIDADE

RELACIONADA COM ESTE PROGRAMA.

(e) DIREITOS EXCLUSIVOS E LIMITAÇÕES DE GARANTIA

EM NENHUMA CIRCUNSTÂNCIA SERÁ A DSC

RESPONSABILIZADA POR QUAISQUER DANOS ESPECIAIS,

ACCIDENTAIS, CONSEQUENTES OU INDIRECTOS

RESULTANTES DE FALHAS NA GARANTIA, FALHAS NO

CONTRATO, NEGIGÊNCIA, RESPONSABILIDADE

OBJETIVA, OU QUAISQUER OUTRAS TEORIAS LEGAIS.

TAIS DANOS INCLUDEM, MAS NÃO LIMITAM, PERDA DE

DEUTOS, CONTAGEM DE FALHAS, PERDA DE PROGRAMA,

PERDA DE DADOS, PERDA DE SOFTWARE, PERDA DE

HARDWARE, PERDA DE DOCUMENTAÇÃO, PERDA DE

INFORMAÇÕES, PERDA DE PROGRAMAS, PERDA DE

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