



D-307315

DSC

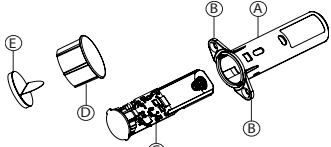
From Tyco Security Products

PG9307 PowerG recessed door/window contact

The PG9307 is a discreet, supervised, 2- way wireless PowerG magnetic contact device. The PG9307 uses a replaceable lithium battery and should last 10 years under normal usage.

Legend

Figure 1.



Recessed door/window contact

- A Door / window contact housing
- B Breakable screw ears
- C Contact cover and circuit board
- D Magnet cover
- E Magnet with double-sided tape

Inserting or replacing the battery

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.

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 and according to local rules and regulations.

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 an installer.

1. Insert a small, flat-head screwdriver into the slots on the side of the contact housing and release the contact cover.
2. Pull out the cover from the door/window contact housing.
3. Observe the polarity and insert or replace the battery.
4. Reinsert the contact cover (with circuit board attached).

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 | Insert the battery and wait for the panel to detect the device or enter the device ID. |

4. Select the desired zone number.
5. Configure any device parameters that are required.
6. Mount and test the device. See Placement 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.

Performing a placement test

Before you permanently mount any wireless device, temporarily mount the device and perform a placement test on the door frame, as close as possible to the planned installation area. This is for checking the radio link.

1. To tamper the device, pull the cover attached to the device.
2. Reinsert the cover to restore the tamper. The device now enters placement test mode for 15 minutes.
3. Trip the device by opening the door or window and verify that the red LED blinks, indicating detection.

After 2 seconds the LED blinks 3 times. The following table indicates the 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, 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, HS2ICNRR(P)9, PG9920, WS900-19, and WS900-29.

NOTE: For detailed Placement instructions refer to the control panel reference manual.

Installation tips

WARNING: To comply with FCC and ISED Canada RF exposure compliance requirements, the contact 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 PG9307 PowerG recessed door/window contact 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. It is recommended to install the contact in the door frame and the magnet in the door.

NOTE: Before drilling holes, test the location. Temporarily mount the contact and magnet and perform a placement test. Once drilled, the signal quality may be impacted.

Gap separation

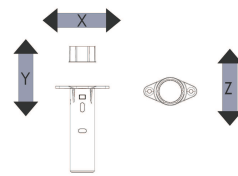
The following table outlines the gap separation information.

	Nonmetallic wood/plastic materials	
Direction of movement of the magnet	Approach/Make	Remove/Break
Axis X	15 mm	17 mm

Axis Y	15 mm	17 mm
Axis Z	23 mm	28 mm

The recommended maximum gap separation for installation (on specified materials and Axis Z) is 6 mm (0.24 in.).

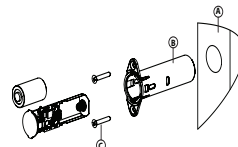
Figure 2.



Mounting the device

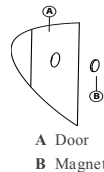
NOTE: There are various ways to mount the device. This procedure outlines one option for installation. Allow 3mm minimum between the door and frame.

Figure 3: Mounting the recessed door/window contact



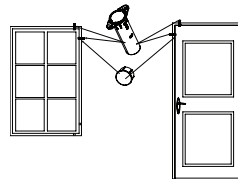
- A Door frame
- B Recessed door/window contact
- C Screws

Figure 4: Mounting the magnet



Install the device in the door frame, and install the magnet on the door. Install the device and magnet on either the side or the top of the door and the door frame.

Figure 5.



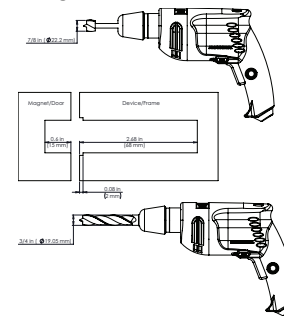
Mark the locations for the door/window contact and the magnet. Ensure that the locations for the contact and the magnet are correctly aligned.

Sensor installation.

Install the sensor by the following steps:

1. Use a 3/4 drill bit to slowly drill a 3/4 inch hole for the door/window contact in the door frame.
2. Fasten the contact housing to the mounting surface with the two screws and insert the cover. If there is no 3mm gap available between the door and the frame, two step drilling is necessary. Using a 22mm tool, drill a 2mm shallow, followed by a 70mm deep hole with a 19mm tool. Break the slot ears, clean the sharp edges and insert the device. The device is recessed inside the frame, not interfering with the door.

Figure 6: Sensor installation



Magnet installation.

Install the magnet by either of the following options:

1. By drilling:
 - a. Use a 3/4 inch drill bit to create a 15mm deep hole.
 - b. Peel off the double-sided tape on the magnet and stick it inside the magnet cover (part D).
2. By using the double-sided tape without the magnet housing:
 - a. Peel off the double-sided tape on the magnet and stick it on the door/window.

NOTE: Option 2 is possible only when there is a minimum gap of 2 mm between the door and the door frame.

Optional: Use a sticker on both the contact cover and the magnet cover to match the color of the door or the door frame.

Specifications

Frequency	912 MHz to 919 MHz
Communication protocol	PowerG
Maximum power	+14 dBm
Battery type	Panasonic or GP, 3V CR-2 or equivalent lithium battery
Battery life expectancy	10 years (with typical use)
Battery supervision	Automatic transmission of battery condition data as part of periodic status report and immediately upon low battery condition detection.
Low battery trouble level	2.5 V
Temperature range	-10 °C to 50 °C
Relative humidity	5% to 95% non condensing
Magnet type	Rare earth
Contact size (HxD)	2.66 inches x 0.75 inches
Magnet cover size (HxD)	0.67 inches x 0.08 inches
Weight (with battery and magnet)	0.83 oz (25 g)
Color	White or clear
Housing material	Polycarbonate

Figure 7.

Compatible receivers

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

UL/ULC Notes

Only model PG9307 operating in the frequency band 912-919MHz is UL/ULC listed. The PG9307 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 634 and ULC ORD-C634 for Intrusion Detection Units. For UL/ULC installations use these device only in conjunction with compatible DSC wireless receivers: HSM2HOST9, HS2LCDRF(P)9, HS2ICNRR(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: F5318PG9307

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 présent appareil est conforme aux CNR d'ISED Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
IC: 160A-PG9307

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 fulfillment 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. The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of DSC. This warranty

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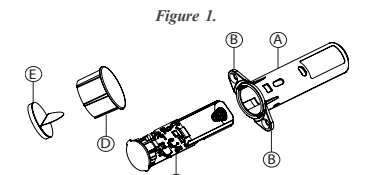
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Contact encastré pour porte/fenêtre PowerG PG9307

Le PG9307 est un émetteur à contact magnétique bidirectionnel PowerG sans fil, discret et géré. Le PG9307 utilise une pile lithium remplaçable offrant 10 années d'autonomie en conditions normales d'utilisation.

Légende



Contact encastré pour porte/fenêtre

- A Boîtier du contact pour porte/fenêtre
- B Ailettes de vis cassables
- C Capot du contact et carte à circuit imprimée
- D Capot de l'aimant
- E Aimant avec bande adhésive double-face

Insertion ou remplacement de la pile

ATTENTION: Ce produit utilise des piles au lithium. Toute manipulation incorrecte des piles au lithium peut entraîner une ÉMISSION DE CHALEUR, une EXPLOSION ou un INCENDIE pouvant entraîner des blessures. ATTENTION: Mal positionnées, les piles pourraient exploser. Remplacez les piles uniquement avec des piles du modèle conseillé par le fabricant, ou par un modèle équivalent. Mettez les piles usagées au rebut en suivant les instructions du fabricant et conformément aux règles et réglementations locales. Tenez-les hors de portée des enfants : en cas d'ingestion, consultez immédiatement un médecin. N'essayez pas de recharger ces piles. REMARQUE: Le remplacement de la pile doit être effectué par un installateur.

- Insérez un petit tournevis plat dans les fentes latérales du boîtier du contact et libérez le capot.
- Retirez le capot du boîtier du contact pour fenêtre/porte.
- Respectez la polarité et insérez ou remplacez la pile.

- Remettez en place le capot du contact (avec carte à circuit imprimée fixée).

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	Insérez la pile et attendez que la centrale détecte l'appareil, ou saisissez l'identifiant de l'appareil.
4	Sélectionnez le Numéro de zone voulu.
5	Configurez les paramètres nécessaires de l'appareil.
6	Montez et testez l'appareil. Pour savoir comment tester l'appareil, consultez la section Test d'emplacement. Consultez également le Manuel d'installation des systèmes d'alarme dans lesquels l'appareil est enregistré pour connaître la procédure à suivre.

Test de l'emplacement

Avant d'installer un appareil sans fil de manière définitive, montez l'appareil provisoirement et testez sa position sur le dormant, le plus près possible de l'emplacement prévu. Ceci permet de tester la liaison radio.

- Pour déclencher l'auto-protection de l'appareil, retirez le capot fixé à l'appareil.
- Réinsérez ensuite le capot pour rétablir l'auto-protection. L'appareil passe en mode de test d'emplacement pendant 15 minutes.
- Déclenchez l'appareil en ouvrant momentanément la porte ou la fenêtre et vérifiez que le voyant rouge clignote pour signaler la détection.

Au bout de 2 secondes, le voyant clignote 3 fois. 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, HS2LCDRP(P)9, HS2ICNRR(P)9, PG9920, WS900-19, and WS900-29 compatibles. REMARQUE: Pour des instructions de positionnement détaillées, consultez le manuel de référence de la centrale.

Conseils d'installation

ATTENTION: Pour des raisons de conformité aux normes d'exposition aux fréquences radio FCC et ISED Canada, le contact 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.

NOTE: Le PowerG recessed door/window contact PG9307 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. Il est conseillé d'installer le contact sur le dormant de la porte et l'aimant sur la porte.

NOTE: Avant de percer les trous, testez la position du contact. Fixez le contact et l'aimant de manière provisoire, et testez leur position.

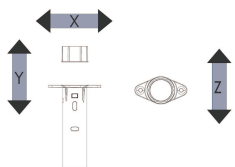
Le perçage des trous pourrait avoir un impact sur la qualité du signal.

Espacement

Le tableau ci-dessous apporte des informations sur l'espacement à respecter.

	Matériaux bois non métalliques / plastiques	
Sens du mouvement de l'aimant	Approche/Mise en contact	Retrait/Rupture du contact
Axe X	15 mm	17 mm
Axe Y	15 mm	17 mm
Axe Z	23 mm	28 mm
L'espacement maximal conseillé pour l'installation (sur les matériaux indiqués et l'Axe Z) est de 6 mm.		

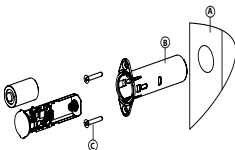
Figure 2.



Montage de l'appareil

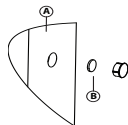
REMARQUE: Il existe différentes façons de monter l'appareil. Cette procédure décrit une possibilité d'installation. Laissez au moins 3 mm entre la porte et le dormant.

Figure 3 : montage du contact encastré pour porte/fenêtre



- A Dormant
- B Contact encastré pour porte/fenêtre
- C Vis

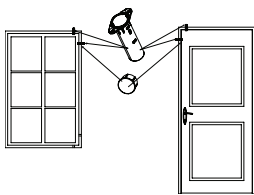
Figure 4 : montage de l'aimant



- A Porte
- B Aimant

Installez l'appareil sur le dormant et l'aimant sur la porte. Installez l'appareil et l'aimant sur le côté ou sur le haut de la porte et du dormant.

Figure 5.



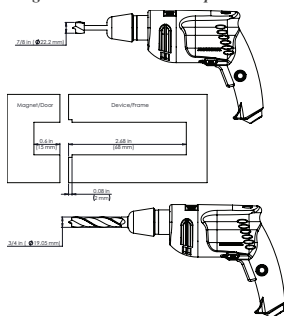
Marquez les emplacements du contact pour porte/fenêtre et de l'aimant. Vérifiez que les emplacements du contact et de l'aimant sont correctement alignés.

Installation de capteur.

Installez le capteur en procédant comme suit :

1. Utilisez une mèche 3/4 pour percer lentement un trou de 3/4 de pouce pour fixer le contact pour porte/fenêtre sur le dormant.
2. Fixez le boîtier du contact à la surface de montage avec deux vis et insérez le capot. S'il n'y a pas 3 mm entre la porte et le dormant, procédez au perçage en deux étapes. À l'aide d'une mèche 22 mm, percez un trou de 2 mm de profondeur puis, avec une mèche de 19 mm, percez un trou de 70 mm. Cassez les ailettes, nettoyez les arêtes et insérez l'appareil. L'appareil est encastré dans le dormant et ne gêne pas la porte.

Figure 6 : installation du capteur



Installation de l'aimant.

Posez l'aimant en utilisant une des méthodes suivantes :

1. En perçant :
 - a. Utilisez une mèche de 3/4 de pouce pour percer un trou de 15 mm.
 - b. Retirez les pellicules protectrices de la bande adhésive de l'aimant et collez-le à l'intérieur du capot pour aimant (partie D).
2. En utilisant la bande adhésive double-face, sans le boîtier pour aimant :
 - a. Retirez les pellicules protectrices de la bande adhésive de l'aimant et collez-le sur la fenêtre/porte.

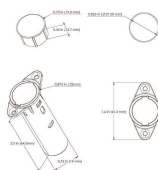
REMARQUE : la méthode 2 n'est possible que s'il y a au moins 2 mm entre la porte et le dormant. Facultatif : apposez sur le capot du contact et le capot de l'aimant un autocollant de la même couleur que celle de la porte ou du dormant.

Caractéristiques techniques

Fréquence	912 à 919 MHz
Protocole de communication	PowerG
Puissance maximale	+14 dBm
Type de pile	Pile au lithium 3V CR-2 de type Panasonic ou GP, ou équivalent

Autonomie	10 ans (utilisation normale)
Supervision de la pile	Transmission automatique des données sur l'état de la pile dans le cadre d'un rapport d'état périodique, et immédiatement en cas de détection de pile faible.
Niveau de pile faible	2,5 V
Plage de températures	-10 °C à 50 °C
Humidité relative	5 % à 95 % sans condensation
Type d'aimant	Terre rare
Taille du contact (HxP)	2,66 pouces x 0,75 pouces
Taille du capot de l'aimant (HxP)	0,67pouces x 0,08 pouces
Poids (avec pile 25 g et aimant)	
Couleur	Blanc ou transparent
Matière du boîtier	Polycarbonate

Figure 7.



Récepteurs compatibles

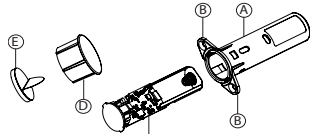
Cet appareil peut être utilisé avec les centrales et récepteurs DSC qui utilisent la technologie PowerG.

PG9307 Contacto PowerG para ventana/puerta empotrada

PG9307 es un dispositivo de contacto magnético PowerG inalámbrico doble, supervisado y discreto. PG9307 utiliza una batería de litio sustituible y debería durar 10 años con un uso normal.

Legenda

Figure 1.



Contacto para ventana/puerta empotrada

- A Carcasa de contacto para ventana/puerta
- B Tornillos desarmables
- C Cubierta de contacto y panel del circuito
- D Cubierta del imán
- E Imán con adhesivo de ambos lados

Introducción o cambio de la batería

PRECAUCIÓN: Este producto usa batería de litio. La manipulación inapropiada de las baterías de litio podría ocasionar GENERACIÓN DE CALOR, EXPLOSIÓN o INCENDIO, lo que podría llevar a lesiones personales.

ADVERTENCIA: Si las baterías no son colocadas correctamente, podría haber peligro de explosión. Reemplácelas únicamente por una igual o una equivalente recomendada por el fabricante. La eliminación de baterías usadas se debe efectuar acorde con las instrucciones del fabricante y de conformidad con las reglas y reglamentaciones locales.

Mantenga alejado del alcance de los niños: en caso de tragarlas, consulte inmediatamente a un médico. No intente recargar estas baterías.

NOTA: El cambio de baterías debe estar a cargo de un instalador.

1. Coloque un destornillador pequeño de cabeza plana en las ranuras que se encuentran en la parte lateral de la carcasa de contacto y retire la cubierta de contacto.
2. Libere la cubierta de la carcasa de contacto de la puerta/ventana.
3. Preste atención a la polaridad y coloque o reemplace la batería.
4. Coloque nuevamente la cubierta de contacto (con el panel de circuito sujetado).

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:

Etapas	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	Coloque la batería y espere a que el panel detecte el dispositivo o ingrese el ID del dispositivo.
4	Elija el número de la zona deseada.
5	Configure todos los parámetros del dispositivo que sean necesarios.
6	Coloque y pruebe el dispositivo. Para obtener información acerca de cómo probar el dispositivo, consulte Prueba de colocación. 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.

Cómo realizar una prueba de ubicación

Antes de colocar cualquier dispositivo inalámbrico de manera permanente, coloque temporalmente el dispositivo y pruebe su ubicación en el marco de la puerta, lo más cerca posible del área de instalación planificada. Esto es para comprobar el link de radio.

1. Para manipular el dispositivo, retire la cubierta.
2. Coloque nuevamente la cubierta para reestablecer la manipulación. El dispositivo entra ahora en modo de prueba de ubicación por 15 minutos.
3. Para disparar el dispositivo, abra la puerta o ventana y verifique que el indicador LED rojo parpadee, lo que indica detección.

Al cabo de dos segundos, el indicador LED parpadea tres veces. 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 rojo parpadea	BAJA
Sin parpadeo	Sin comunicación

¡IMPORTANTE! Las únicas potencias de señal aceptables son BUENA o ALTA. Si recibe una señal BAJA 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.

Consejos para la instalación

PRECAUCIÓN: Para cumplir con los requisitos de cumplimiento de normas de exposición a RF de FCC e ISSED de Canadá, el contacto 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 con otra antena u otro transmisor.

NOTA: El PG9307 PowerG recessed door/window contact 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. Se recomienda colocar el contacto en el marco de la puerta y el imán en la puerta.

NOTA: Antes de hacer los orificios, compruebe la ubicación. Coloque temporalmente el contacto y el imán para probar su ubicación. Una vez hecho el orificio, podría impactar la calidad de la señal.

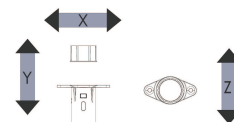
Separación de espacio

La siguiente tabla describe la información acerca de la separación de espacio.

	Materiales no metálicos plásticos/madera	
Dirección de movimiento del imán	Acercamiento/Acción	Retiro/Rotura
Eje X	15 mm	17 mm
Eje Y	15 mm	17 mm
Eje Z	23 mm	28 mm

La separación de espacio máxima recomendada para la instalación (en materiales específicos y ejes Z) es de 6 mm (0,24 pulgadas).

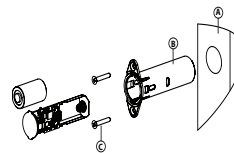
Figure 2.



Montaje del dispositivo

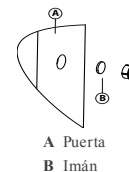
NOTA: Existen diversas maneras de colocar el dispositivo. Este procedimiento describe una opción para la instalación. Deje una distancia mínima de 3 mm entre la puerta y el marco.

Figure 3: Montaje del contacto para ventana/puerta empotrada



- A Marco de la puerta
- B Contacto para ventana/puerta empotrada
- C Tornillos

Figure 4: Montaje del imán

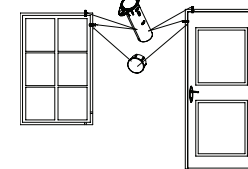


A Puerta

B Imán

Coloque el dispositivo en el marco de la puerta e instale el imán en la puerta. Coloque el dispositivo y el imán ya sea en el costado o en la parte superior de la puerta, y en el marco de la puerta.

Figure 5.



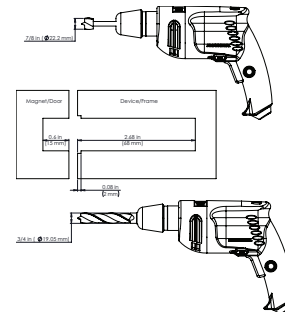
Marque la ubicación del contacto para ventana/puerta y del imán. Asegúrese de que las ubicaciones del contacto y del imán estén alineadas correctamente.

Instalación del sensor.

Instale el sensor según los siguientes pasos:

1. Use una broca de 3/4 para agujerear un orificio de 3/4 pulgadas en el marco de la puerta para el contacto para ventana/puerta.
2. Fije la carcasa del contacto en la superficie de montaje con los dos tornillos y coloque la cubierta. Si no hay un espacio de 3 mm entre la puerta y el marco, es necesario hacer la perforación de dos pasos. Con una herramienta de 22 mm, haga un orificio poco profundo de 2 mm, seguido por un orificio profundo de 70 mm con una herramienta de 19 mm. Rompa los tornillos desarmables, limpie los bordes puntiagudos y coloque el dispositivo. El dispositivo se emotra dentro del marco, sin interferir con la puerta.

Figure 6: Instalación del sensor



Instalación del imán.

Instale el imán según una de las siguientes opciones:

1. Por perforación:
 - a. Use una broca de 3/4 pulgadas para hacer un orificio profundo de 15 mm.
 - b. Quite el adhesivo de ambos lados del imán y péguelo dentro de la cubierta del imán (parte D).
2. Mediante el uso del adhesivo de ambos lados sin la carcasa del imán:
 - a. Quite el adhesivo de ambos lados del imán y péguelo en la ventana/puerta.

NOTA: La opción 2 es posible únicamente cuando existe un espacio mínimo de 2 mm entre la puerta y el marco de la puerta.
Opcional: Use un adhesivo tanto en el contacto como en la cubierta del contacto y la cubierta del imán para que coincida con el color de la puerta o del marco de la puerta.

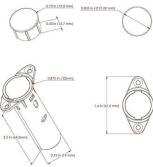
Especificaciones

Frecuencia	912 MHz a 919 MHz
Protocolo de comunicaciones	PowerG
Potencia máxima	+14 dBm
Tipo de batería	Batería Panasonic o GP, 3V CR-2 o batería de litio equivalente

Vida útil de la batería	10 años (con uso normal)
Supervisión de la batería	Transmisión automática de la batería como parte del informe de estado periódico y detección inmediata de la condición de batería baja.

Nivel del problema de batería baja	2,5 V
Margen de temperatura	-10 °C a 50 °C
Humedad relativa	5 % a 95 % sin condensación
Tipo de imán	Tierras raras
Tamaño del contacto (AlturaxProfundidad)	2,66 pulgadas x 0,75 pulgadas
Tamaño de la cubierta del imán (AlturaxProfundidad)	0,67 pulgadas x 0,08 pulgadas
Peso (incluida la batería y el imán)	0,83 oz (25 g)
Color	Blanco o transparente
Material de la carcasa	Polycarbonato

Figura 7.

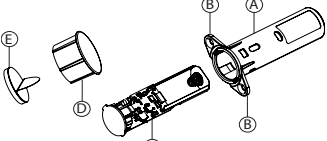


Receptores compatibles

Este dispositivo se puede utilizar con paneles y receptores DSC que utilizan la tecnología PowerG.
PG9307 Contato embutido da porta/janela do PowerG
O PG9307 é um dispositivo de contato magnético PowerG sem fio, bidirecional, discreto e supervisionado.
O PG9307 usa uma bateria de lítio substituível e deve durar 10 anos sob uso normal.

Legenda

Figura 1.



Contato embutido da porta/janela

A Alojamento de contato da porta/janela

- B Orelhas de parafuso quebráveis
- C Tampa de contato e placa de circuito
- D Tampa do imã
- E Imã com fita dupla face

Inserir ou trocar a pilha

CUIDADO: Este produto usa baterias de lítio. O manuseio inadequado de baterias de lítio pode resultar em AQUECIMENTO, EXPLOSAO ou INCENDIO, que podem levar a ferimentos.
AVISO: Perigo de explosão se as baterias forem instaladas incorretamente. Troque somente pelo mesmo tipo recomendado pelo fabricante ou equivalente. Descarte as baterias usadas de acordo com as instruções do fabricante e com as regras e normas locais.
Mantenha longe de crianças pequenas: se ingerido, consulte imediatamente um médico. Não tente recarregar essas baterias.
NOTA:A substituição da bateria deve ser concluída por um instalador.

1. Insira uma pequena chave de fenda nos encaixes na lateral do alojamento de contato e solte a tampa de contato.
2. Puxe a tampa do alojamento de contato da porta/janela.
3. Observe a polaridade e insira ou substitua a bateria.
4. Reinsira a tampa de contato (com a placa de circuito conectada).

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:

Etapas	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 de registro de dispositivo pelo método especificado e selecione a opção apropriada para adicionar o novo dispositivo.
3	Insira a bateria e aguarde até que o painel detecte o dispositivo ou insira o ID do dispositivo.
4	Selecione o número da zona desejada.
5	Configure os parâmetros necessários do dispositivo.
6	Instale e teste o dispositivo. Consulte Teste de colocação para obter 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.

Execução de um teste de colocação

Antes de montar permanentemente qualquer dispositivo sem fio, monte temporariamente o dispositivo e faça um teste de colocação no quadro da porta, o mais próximo possível da área de instalação planejada. Isso serve para verificar o link de rádio.
1. Para adulterar o dispositivo, puxe a tampa presa ao dispositivo.
2. Reinsira a tampa para restaurar a adulteração. O dispositivo agora entra no modo de teste de colocação por 15 minutos.
3. Acione o dispositivo, abrindo a porta ou janela, e verifique se o LED vermelho pisca, indicando a detecção.

Após 2 segundos, o LED piscará 3 vezes. 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.
NOTA: 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, HS2LCDRH(P)9, HS2ICNRF(P)9, PG9920, WS900-19, and WS900-29.
NOTA: Para obter instruções detalhadas de colocação, consulte o Guia de referência do painel de controle.

Dicas de Instalação

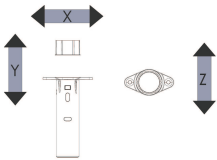
AVISO: A fim de obedecer os requisitos de conformidade de exposição do FCC e ISED Canada RF, o contato deve estar localizado a uma distância de pelo menos 20 cm de todas as pessoas durante a operação normal. As antenas usadas para este produto não podem estar colocadas ou ser operadas em conjunto com qualquer outra antena ou transmissor.
NOTA:O PG9307 PowerG recessed door/window contact deve ser instalado e usado dentro de um ambiente que forneça o grau máximo de poluição 2 e sobre-tensão de categoria II, LOCAIS NÃO PERIGOSOS. O equipamento foi projetado para ser instalado apenas pelo pessoal qualificado de serviço.
É recomendável instalar o contato no quadro da porta e o imã na porta.
NOTA: Antes de fazer furos, teste o local. Instale temporariamente o contato e o imã e realize um teste de colocação.
Uma vez perfurado, a qualidade do sinal pode ser afetada.

Separação de espaços

A tabela a seguir mostra as informações de separação de espaços.

	Materiais não metálicos de madeira/plástico	
Direção de movimento do ímã	Aproximação/Fabricação	Remover/Quebrar
Eixo X	15 mm	17 mm
Eixo Y	15 mm	17 mm
Eixo Z	23 mm	28 mm
A separação de espaço máxima recomendada para instalação (nos materiais especificados e no eixo Z) é de 6 mm (0,24 pol.).		

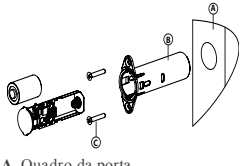
Figura 2.



Montagem do dispositivo

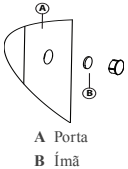
NOTA:Existem várias maneiras de instalar o dispositivo. Este procedimento descreve uma opção para instalação.

Deixe 3 mm no mínimo entre a porta e o quadro.
Figura 3: Instalação do contato embutido da porta/janela



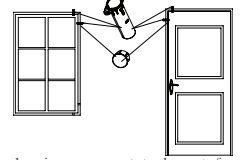
- A Quadro da porta
- B Contato embutido da porta/janela
- C Para fusos

Figura 4: Instalação do imã



Instale o dispositivo no quadro da porta e instale o imã na porta. Instale o dispositivo e o imã no lado ou no topo da porta e no quadro da porta.

Figura 5.



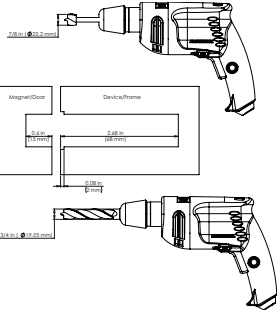
Marque os locais para o contato da porta/janela e o imã. Certifique-se de que os locais para o contato e o imã estejam alinhados corretamente.

Instalação do sensor.

Para instalar o sensor, siga estes passos:

1. Use uma broca de 3/4 de polegada para perfurar lentamente um orifício de 3/4 de polegada para o contato da porta/janela no quadro da porta.
2. Fixe o alojamento de contato à superfície de montagem usando os dois parafusos e insira a tampa. Se não houver um espaço de 3 mm entre a porta e o quadro, será necessária perfuração em duas etapas. Utilizando uma ferramenta de 22 mm, faça um furo raso de 2 mm, seguido de um furo de 70 mm com uma ferramenta de 19 mm. Quebre as orelhas do encaixe, limpe as bordas afiadas e insira o dispositivo. O dispositivo está embutido dentro do quadro, não interferindo na porta.

Figura 6: Instalação do sensor



Instalação do imã.

Instale o imã com uma das seguintes opções:

1. Ao perfurar:
 - a. Use uma broca de 3/4 de polegada para criar um furo com 15 mm de profundidade.
 - b. Retire a fita dupla face do imã e cole-a dentro da tampa do imã (parte D).
2. Usando a fita dupla face sem o alojamento do imã:
 - a. Retire a fita dupla face do imã e cole-a dentro na porta/janela.

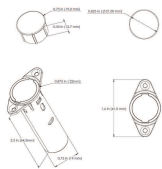
OBSERVAÇÃO: a opção 2 só é possível quando existe um espaço mínimo de 2 mm entre a porta e o quadro da porta.
Opcional: use um adesivo na tampa de contato e na tampa do imã para combinar com a cor da porta ou do quadro da porta.

Especificações

Frequência	912 MHz a 919 MHz
Protocolo de comunicação	PowerG
Potência máxima	+14 dBm
Tipo de bateria	Bateria de lítio de 3 V, Panasonic ou GP CR-2 ou equivalente
Expectativa de vida da bateria	10 anos (com uso típico)
Supervisão da bateria	Transmissão automática dos dados de condição da bateria como parte do relatório periódico de status e no momento imediato da detecção de condição de bateria fraca.

Nível de problema: bateria fraca	2,5 V
Faixa de temperatura	-10 °C a 50 °C
Umidade relativa	5% a 95% sem condensação
Tipo de imã	Terra rara
Tamanho do contato (AxD)	2,66 polegadas x 0,75 polegadas
Tamanho da tampa do imã (AxD)	0,67 polegadas x 0,08 polegadas
Peso (com bateria e imã)	0,83 oz (25 g)
Cor	Branco ou transparente
Material da caixa	Polycarbonato

Figura 7.



Receptores compatíveis

Este dispositivo pode ser usado com painéis e receptores DSC que usem a tecnologia PowerG.
©2018 Tyco Security Products, Toronto, Canada
www.dsc.com
Tech. Support: 1-800-387-3630
D-307315 Rev 00 (05/18)

