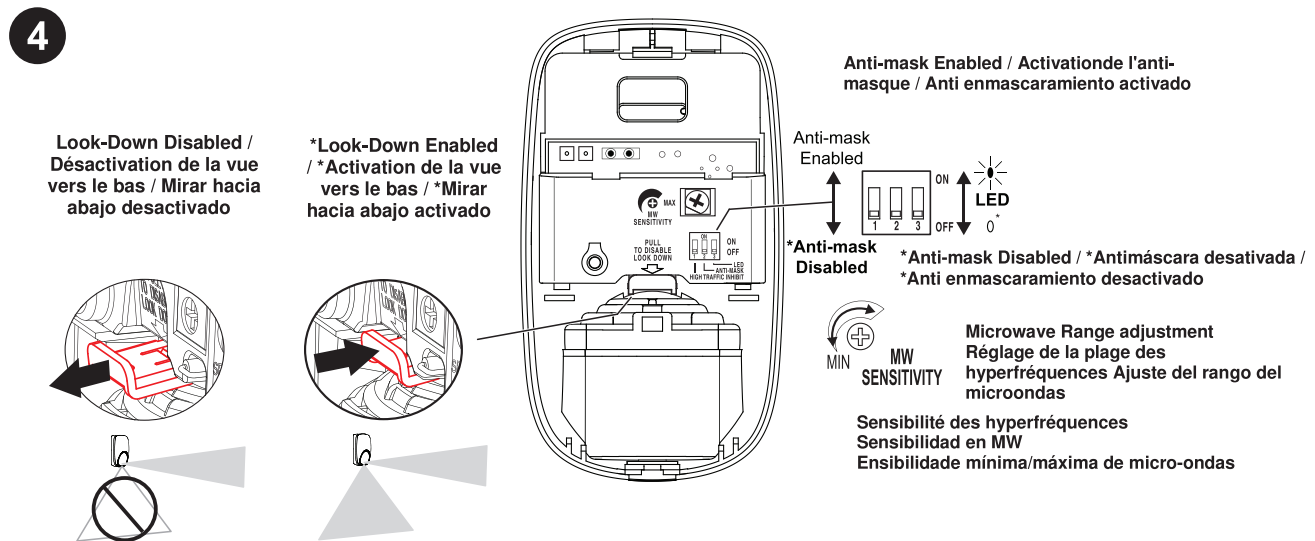
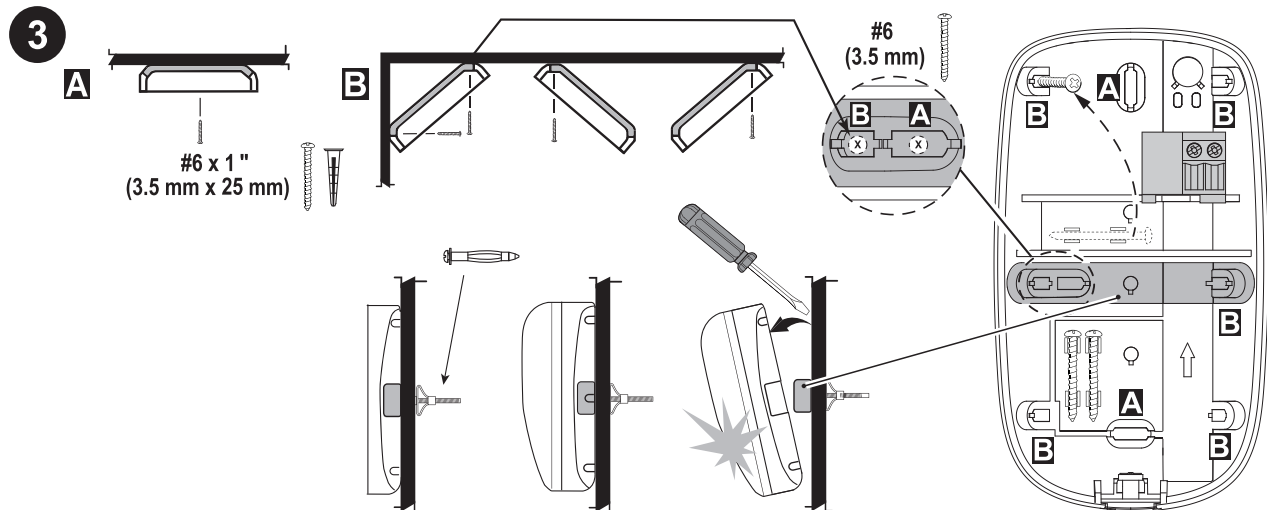
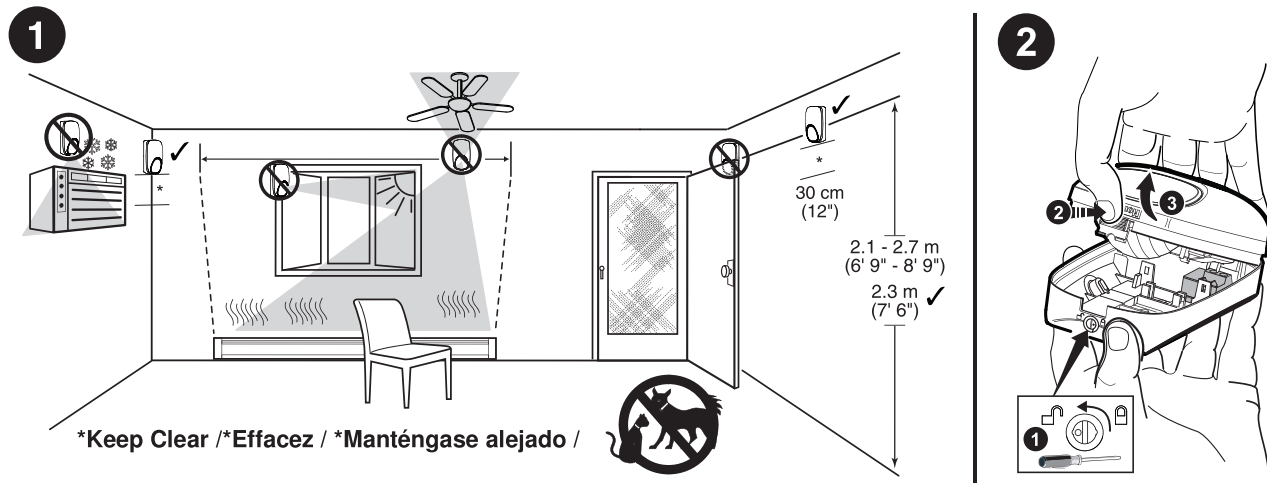


## DT8050AF24-SN V-Plex® DUAL TEC® Motion Sensor with Anti-Mask - Quick Installation Guide

Détecteur de mouvement V-Plex® DT8050AF24-SN DUAL TEC<sup>MD</sup> avec Anti-Masque- Guide d'installation rapide

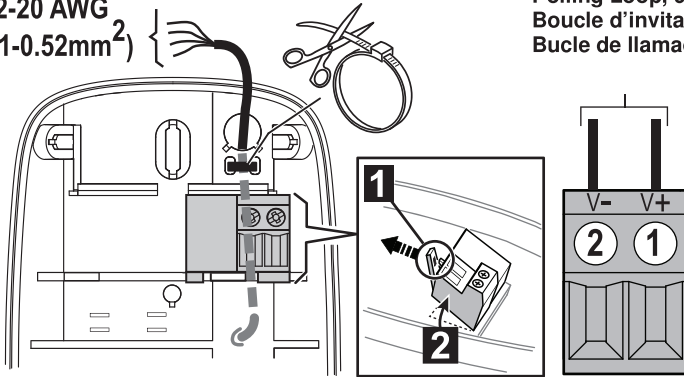
Sensor de Movimiento con Antienmascamiento V-Plex® DUAL TEC® DT8050AF24-SN – Guía Rápida de Instalación



\*Factory Default / \* Paramètres d'usine / \*Predeterminado de fábrica

5

22-20 AWG  
(0.31-0.52mm<sup>2</sup>)

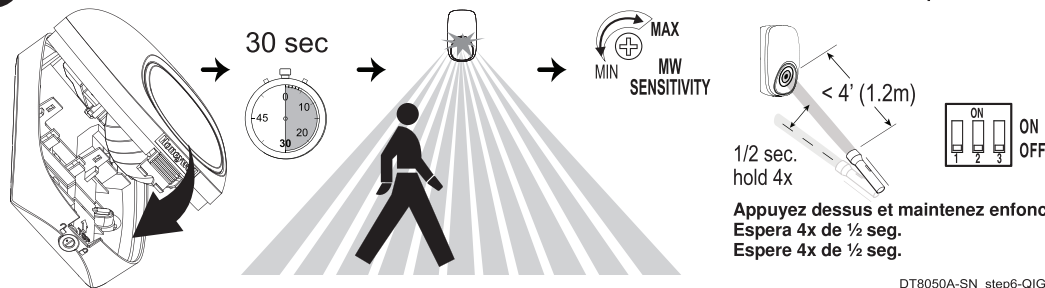


Polling Loop, 9-13V PK-PK  
Boucle d'invitation, 9-13V PK-PK  
Bucle de llamada selectiva, 9-13V PK-PK

**Note** A masking condition can occur when blocking or reflective material is placed in front of the sensor. Keep 12" (30cm) in front of the sensor clear.  
**Remarque :** Une condition de masquage peut se produire quand du matériel bloquant ou réfléchissant est placé devant le capteur. Gardez un espace libre de 30 cm (12 po) devant le capteur.

**Nota:** Una condición de enmascaramiento puede ocurrir si se coloca frente al sensor algún objeto que bloquee o refleje. Guarde una distancia de 30cm (12") frente al sensor.

6



Walk Test Reset / Réinitialisation du test de marche /  
Restablecimiento de prueba de detección de presencia

1. Apply power to the sensor. Initialization is complete when the LED stops flashing slowly (about 30 seconds).
2. Turn the microwave sensitivity counterclockwise to reduce the microwave range (minimum = 16.4' / 5m) and close the sensor.
3. Walk through the detection area and observe the LED.
4. Adjust the microwave range as necessary to meet installation requirements.

DT8050A-SN\_step6-OIG

| LED    | Power Up   | Walk Test    | Normal       | Trouble    | Anti-Mask  |
|--------|------------|--------------|--------------|------------|------------|
| Red    | Slow Blink | ON Alarm     | ON Alarm     | Fast Blink | OFF        |
| Yellow | OFF        | ON Microwave | ON Microwave | OFF        | Fast Blink |
| Green  | OFF        | ON PIR       | ON PIR       | OFF        | OFF        |

Walk test mode is active for 10 minutes, then automatically exits test mode, disables the LED and enters normal operation mode. For an additional 10 minute walk test, enable walk test mode again with the flashlight feature.

**Note:** During power up and walk test modes the LED is active regardless of the LED Enable/Disable DIP switch setting.

1. Alimentez la sonde. L'initialisation est terminée lorsque le voyant DEL cesse de clignoter lentement (environ 30 secondes).
2. Tournez le bouton de réglage de la sensibilité hyperfréquence dans le sens antihoraire pour réduire la plage des hyperfréquences (minimum = 16,4' po/5 m) et fermez la sonde.
3. Déplacez-vous dans la zone de détection et observez le voyant DEL.
4. Réglez la plage des hyperfréquences le cas échéant afin qu'elle soit conforme aux exigences d'installation.

| Voyant DEL | Mise sous tension | Test de marche         | Normal                 | Anomalie            | Anti-masque         |
|------------|-------------------|------------------------|------------------------|---------------------|---------------------|
| Rouge      | Clignotement lent | Alarme ACTIVÉE         | Alarme ACTIVÉE         | Clignotement rapide | ARRÊT               |
| Jaune      | ARRÊT             | Hyperfréquence ACTIVÉE | Hyperfréquence ACTIVÉE | ARRÊT               | Clignotement rapide |
| Vert       | ARRÊT             | Détecteur PIR ACTIVÉ   | Détecteur PIR ACTIVÉ   | ARRÊT               | ARRÊT               |

Le test de marche dure 10 minutes, puis le système quitte automatiquement le mode test, désactive le voyant DEL et retourne au mode de fonctionnement normal. Pour 10 minutes de test de marche supplémentaires, activez de nouveau le mode test de marche avec la fonction lampe de poche.

**Remarque :** Pendant les modes Allumage et Test de marche, le voyant DEL est activé indépendamment du réglage du commutateur DIP d'activation/désactivation du voyant DEL.

1. Conecte el sensor. La inicialización estará completa cuando la luz LED deje de parpadear lentamente (aproximadamente 30 segundos).
2. Gire hacia la izquierda el interruptor de sensibilidad microondas para reducir el rango de microondas (mínimo = 16,4' / 5 m) y cierre el sensor.
3. Realice una prueba de detección de presencia en el área de detección y observe la luz LED.
4. Ajuste el rango del microondas según sea necesario para cumplir con los requisitos de instalación.

El modo de prueba de detección de presencia estará activo durante 10 minutos, luego saldrá automáticamente del modo de prueba, desactivará la luz LED e ingresará en el modo de funcionamiento normal.

Si necesita una prueba de detección de presencia durante otros 10 minutos, active el modo de detección de presencia nuevamente con la función de linterna.

**Nota:** Durante los modos de encendido y prueba de detección de presencia, la luz LED estará activa independientemente del ajuste del interruptor Activar LED/Desactivar DIP.

| LED      | Encendido      | Prueba de detección de presencia | Normal               | Problema        | Anti enmascaramiento |
|----------|----------------|----------------------------------|----------------------|-----------------|----------------------|
| Rojo     | Parpadeo lento | Alarma Encendida                 | Alarma Encendida     | Parpadeo rápido | APAGADO              |
| Amarillo | APAGADO        | Microondas Encendido             | Microondas Encendido | APAGADO         | Parpadeo rápido      |
| Verde    | APAGADO        | PIR encendido                    | PIR encendido        | APAGADO         | APAGADO              |

1. Ligue o sensor. A inicialização é concluída quando o LED para de piscar lentamente (em cerca de 30 segundos).
2. Gire a sensibilidade de micro-ondas no sentido anti-horário para reduzir o alcance de micro-ondas (no mínimo 16,4/5 m) e feche o sensor.
3. Caminhe pela área de detecção e observe o LED.
4. Ajuste o alcance de micro-ondas conforme necessário para atender aos requisitos de instalação.

O sistema fica ativo no modo de teste de caminhada por 10 minutos, sai automaticamente do modo de teste, desativa o LED e entra no modo de operação normal.

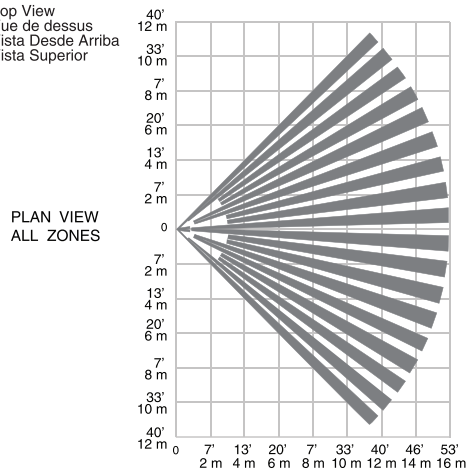
Para um teste adicional de 10 minutos, ative o modo de teste de caminhada novamente com o recurso lanterna.

**Observação:** Durante a inicialização e modos de teste de caminhada, o LED fica ativo independentemente da configuração do interruptor DIP de ativar/desativar LED.

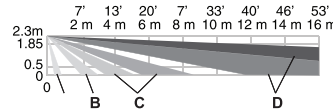
| LED      | Ligado              | Teste de caminhada | Normal             | Problema             | Antimáscara          |
|----------|---------------------|--------------------|--------------------|----------------------|----------------------|
| Vermelho | Intermitência lenta | Alarme ligado      | Alarme ligado      | Intermitência rápida | Desligado            |
| Amarelo  | Desligado           | Micro-ondas ligado | Micro-ondas ligado | Desligado            | Intermitência rápida |
| Verde    | Desligado           | PIR ligado         | PIR ligado         | Desligado            | Desligado            |

7

Top View  
Vue de dessus  
Vista Desde Arriba  
Vista Superior



Side View  
Vue de coté  
Vista Lateral  
Vista Lateral



Zones / Zones / Zonas / Zonas

|   |    |                                                          |
|---|----|----------------------------------------------------------|
| A | 2  | Look-down / Basses / Vista Zona 0 / Vigilância inferior  |
| B | 12 | Lower / Courtes / Cercana/ Mais baixas                   |
| C | 10 | Intermediate / Intermédiaires / Intermedia / Intermédias |
| D | 36 | Long / Longues / Largo Alcance / Longo alcance           |

DT8050A-SN\_step7-QIG

#### FEDERAL COMMUNICATIONS COMMISSION STATEMENTS

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

#### CLASS B DIGITAL DEVICE STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

#### INDUSTRY CANADA CLASS B STATEMENT

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

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

#### FCC Supplier's Declaration of Conformity

Unique Identifier(Model Name): DT8050AF24-SN

Responsible Party -U.S Contact Information

Company name: Honeywell International Inc.

Company Address: 12 Clintonville Rd Northford Connecticut 06472 United States

Telephone number : (203) 497-4300

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

This device complies with Part 15 of the FCC Rules, and Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la partie 15 des règles de la FCC et exempt de licence RSS d'Industrie Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

#### RF EXPOSURE

**Warning** – The antenna(s) used for this device must be installed to provide a separation distance of at least 7.8 inches (20 cm) from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC and ISED multi-transmitter product procedures.

#### Mise en Garde

**Exposition aux Fréquences Radio** : La/les antenne(s) utilisée(s) pour cet émetteur doit/doivent être installée(s) à une distance de séparation d'au moins 20 cm (7,8 pouces) de toute personne et ne pas être située(s) ni fonctionner parallèlement à tout autre transmetteur ou antenne, excepté en conformité avec les procédures de produit multi transmetteur FCC et ISED.

#### ADVERTENCIA SOBRE LA EXPOSICIÓN A RF

La(s) antena(s) usada(s) para este transmisor se debe(n) instalar a una distancia de separación de 7,8 pulgadas (20 cm) como mínimo de todas las personas y no debe(n) ubicarse al lado ni operar en conjunto con ningún otro transmisor, salvo de acuerdo con los procedimientos de productos multitransmisores de la FCC y ISED.

#### Exposição à radiofrequência

A antena usada para este transmissor deve ser instalada para fornecer uma distância de pelo menos 20 cm (7,8 polegadas) de todas as pessoas e não deve ser localizado ao lado ou operado em conjunto com qualquer outro transmissor, exceto de acordo com a FCC e ISED, procedimentos para produtos de múltiplos transmissores.

#### TROUBLESHOOTING:

|            | NORMAL | TROUBLE*          |                                |
|------------|--------|-------------------|--------------------------------|
|            |        | Mask <sup>1</sup> | Self-Test Failure <sup>2</sup> |
| Red LED    | Off    | Off               | Flashing                       |
| Yellow LED | Off    | Flashing          | Off                            |

##### \*TROUBLE CONDITIONS:

<sup>1</sup> Mask condition: Sensor IR window is blocked or masked.

<sup>2</sup> Self-Test Failure conditions:

- Microwave supervision failure: The sensor is operating in PIR mode only.
- PIR self-test failure: The sensor is disabled.
- Temperature compensation failure: The temperature compensation is disabled.

Depending on the Trouble condition, take the following corrective actions:

- Verify the sensor is not blocked or masked.
  - Cycle power to the sensor.
  - Walk test the sensor.
- If the Trouble condition does not clear, replace the sensor.

#### SPECIFICATIONS:

**Electrical Ratings:** 9.5 – 15VDC, Max. 25 mA at 9.5VDC; Max. 16 mA at 15 VDC.

**Operating Temperature:** 14° to 131 °F / -10° to 55 °C

**Relative Humidity:** 5 to 93% (UL tested at 93%); non-condensing

#### RESOLUCIÓN DE PROBLEMAS:

|              | NORMAL  | PROBLEMA*                    |                                        |
|--------------|---------|------------------------------|----------------------------------------|
|              |         | Enmascaramiento <sup>1</sup> | Falla de autoverificación <sup>2</sup> |
| LED roja     | Apagado | Apagado                      | Parpadeando                            |
| LED amarilla | Apagado | Parpadeando                  | Apagado                                |

##### \*CONDICIONES DE PROBLEMAS:

<sup>1</sup> Condición de enmascaramiento: La ventana IR del sensor está bloqueada o enmascarada.

<sup>2</sup> Condiciones de falla de autoverificación:

- Falla de supervisión del microondas: El sensor funciona solo en modo PIR.
- Falla de autoevaluación de PIR: El sensor está desactivado.
- Falla de compensación de temperatura: Compensación de temperatura desactivada.

Según la condición del problema, tome las siguientes medidas correctivas:

- Verifique que el sensor no está bloqueado o enmascarado.
- Desconecte y vuelva a conectar el sensor.
- Realice una prueba de detección de presencia con el sensor.

Si el problema persiste, cambie el sensor.

#### APPROVAL/ LISTINGS:

- FCC part 15, Class B verified
- IC ICES-003, Class B verified
- UL 639

- ULC S306-03

Product must be tested at least once each year / Le fonctionnement du produit doit être vérifié au moins une fois par année /

El producto debe ser probado al menos una vez al año / O produto deve ser testado pelo menos uma vez por ano

All wiring must be in accordance with: the National Electrical Code (ANSI/NFPA70); the Canadian Electrical Code, Part I (where applicable); UL681, Standard for Installation and Classification of Burglar and Holdup Alarm Systems; ULC-S302, Standard for Installation and Classification of Burglar Alarm Systems for Financial and Commercial Premises, Safes and Vaults; ULC-S310, Standard for Installation and Classification of Residential Burglar Alarm Systems; local codes and the authorities having jurisdiction.

The products are intended to be powered by a power-limited output of a UL/CUL Listed Burglar Alarm control unit, or via a Listed UL2610/UL603/ULC-S318 power-limited power supply that provides 4 hours of standby power.

The sensor must be mounted indoors, within the protected premises, and on a wooden stud, solid wood or with a robust wall anchor.

**UL Notes:** All interconnecting devices must be UL Listed. The anti-mask feature has not been evaluated by UL.

• REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL WITH WHICH THIS DEVICE IS USED FOR DETAILS REGARDING LIMITATIONS OF THE ENTIRE ALARM SYSTEM.

• POUR OBTENIR DES RENSEIGNEMENTS SUR LA GARANTIE ET LES LIMITATIONS DU SYSTÈME D'ALARME DANS SON ENSEMBLE, CONSULTEZ LE GUIDE D'INSTALLATION ET DE CONFIGURATION RELATIF AU PANNEAU DE COMMANDE UTILISÉ EN CONJONCTION AVEC L'APPAREIL.

• CONSULTE LA GUÍA DE INSTALACIÓN Y CONFIGURACIÓN PARA EL CONTROL CON EL CUAL SE UTILIZA ESTE DISPOSITIVO, PARA OBTENER INFORMACIÓN SOBRE LA GARANTÍA, Y CONOCER LAS LIMITACIONES DE TODO EL SISTEMA.

For patent information, see [www.honeywell.com/patents](http://www.honeywell.com/patents)

Pour des informations sur les brevets, voir [www.honeywell.com/patents](http://www.honeywell.com/patents)

Para información de Patentes, vea [www.honeywell.com/patents](http://www.honeywell.com/patents)

For the latest documentation and online support information, please go to:

Pour de l'assistance en ligne, visitez :

Para recibir soporte en línea, visite:

<https://buildings.honeywell.com/us/en/products/by-category/sensors/motion-detectors/dual-tec-24g-motion-sensor>

<https://myhoneywellbuildingsuniversity.com/training/>



To protect the environment, a detailed installation guide is available on the Honeywell website – Please consider before printing the document!



For the latest U.S. warranty information, please go to: [www.honeywell.com/security/hsc/resources/wa](http://www.honeywell.com/security/hsc/resources/wa) or Please contact your local authorized Honeywell representative for product warranty information. Pour obtenir de l'information sur la garantie de ce produit, veuillez communiquer avec le représentant autorisé de Honeywell de votre région. Por favor contacte con su distribuidor Honeywell Security para información sobre la garantía del producto.

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1.800.323.4576

<https://buildings.honeywell.com/us/en/products/by-category/sensors/motion-detectors/dual-tec-24g-motion-sensor>

<https://myhoneywellbuildingsuniversity.com/training/>

<https://myhoneywellbuildingsuniversity.com/training/>

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P/N 800-17807 Rev A