



V3.0



Instructions



525D-T107
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Do not touch the sensor surface as this could result in a detector malfunction. If necessary, clean the sensor surface using a soft cloth with pure alcohol.

Avoid placing the detector in proximity to the following sources of interference: reflective surfaces, direct air flow, sources of steam/oil vapor, infrared light sources and objects causing temperature changes. Digital Microwave Detection will be hampered if installed close to vibrating metal surfaces, rotating fans, water flow in plumbing pipes or electromagnetic sources. Also note, microwave frequencies can penetrate walls, therefore, avoid installing the unit where it can respond to motion on the other side of the protected area's walls.

After selecting the detector's location, drill or punch out holes for the screws as described in Figure 4.

Turning on the Paradox Digital Vision Detector

Turning on the detector initiates a self-testing program for the signal processor and memory. The LEDs will flash for 16 seconds. When the LEDs are no longer flashing, the system is ready and fully operational.

Warranty

Paradox Security Systems Ltd. ("Seller") warrants its products to be free from defects in materials and workmanship under normal use for a period of one year. Except as specifically stated herein, all express or implied warranties whatsoever, statutory or otherwise, including without limitation, any implied warranty of merchantability and fitness for a particular purpose, are expressly excluded. Because Seller does not install or connect the products and because the products may be used in conjunction with products not manufactured by Seller, Seller cannot guarantee the performance of the security system and shall not be responsible for circumstances resulting from the product's inability to operate. Seller obligation and liability under this warranty is expressly limited to repairing or replacing, at Seller's option, any product not meeting the specifications. Returns must include proof of purchase and be within the warranty period. In no event shall the Seller be liable to the buyer or any other person for any loss or damages whether direct or indirect or consequential or incidental, including without limitation, any damages for lost profits stolen goods, or claims by any other party, caused by defective goods or otherwise arising from the improper, incorrect or otherwise faulty installation or use of the merchandise sold.

Notwithstanding the preceding paragraph, the Seller's maximum liability will be strictly limited to the purchase price of the defective product. Your use of this product signifies your acceptance of this warranty.

BWARE: Dealers, installers and/or others selling the product are not authorized to modify this warranty or make additional warranties that are binding on the Seller. The user is cautioned that any changes or modifications not expressly approved by Paradox Security Systems could void the user's authority to operate/use the equipment.

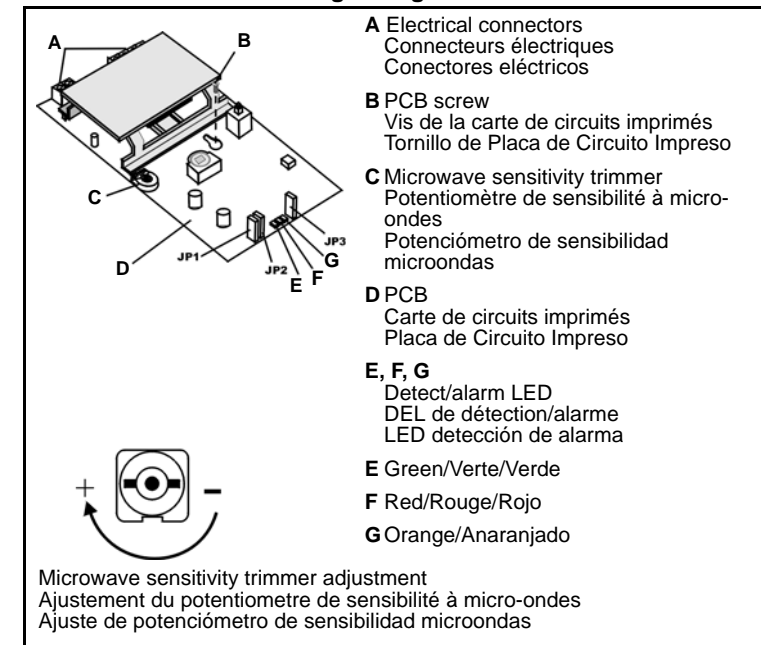
This device complies with Part 15 Subpart (B) of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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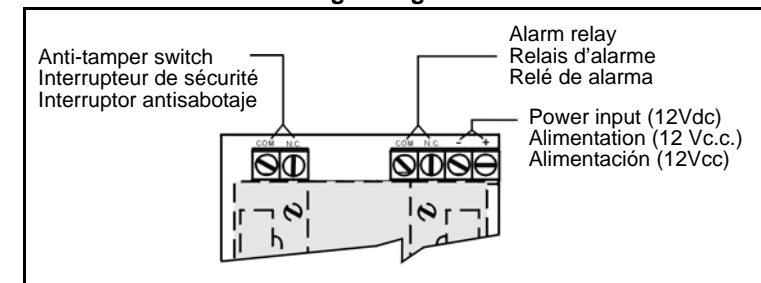
Technical Specifications	
Motion Detector type	PIR + Microwave
PIR Sensor element type	Dual
Sensor geometry	Rectangular
Focal point lens	1.2"
Range (90° Standard lens)	14m x 14m (45ft x 45ft)
Microwave Antenna type	Flat strip microwave antenna with FET oscillator
Frequency	FCC & DOC - 10.525GHZ (other frequencies available)
Operating Temperature	-20° to +50°C (-4° to +122°F)
Voltage	10 - 16Vdc
Current Consumption	30mA (approximately)
Alarm form A output	Standard 100mA, 28Vdc
Alarm solid-state output	N.C. 150mA, 28Vdc (optional)
Tamper form C output	N.C. 150mA, 28Vdc (optional)
Alarm period	3 sec.
Detection Speed	0.2m to 3.5m/s (0.6ft to 11.5ft/s)

Table/Tableau/Tabla 1			
JP1	Shield Setting ON = Normal Mode OFF = High Shield	Réglage de l'algorithme Shield INSTALLÉ = protection normale NON INSTALLÉ = protection élevée	Configuración del Blindaje ON = Modo Normal OFF = Blindaje Superior
JP2	LED Setting ON = LED enabled OFF = LED disabled	Réglage des LED INSTALLÉ = DEL activées NON INSTALLÉ = DEL désactivées	Configuración de luces LED ON = Luz LED habilitada OFF = Luz LED deshabilitada
JP3	Single/Dual Processing ON = Single edge OFF = Dual edge	Traitement simple/divisé INSTALLÉ = traitement simple NON INSTALLÉ = traitement divisé	Procesamiento Simple/Doble ON = Polaridad simple OFF = Polaridad doble

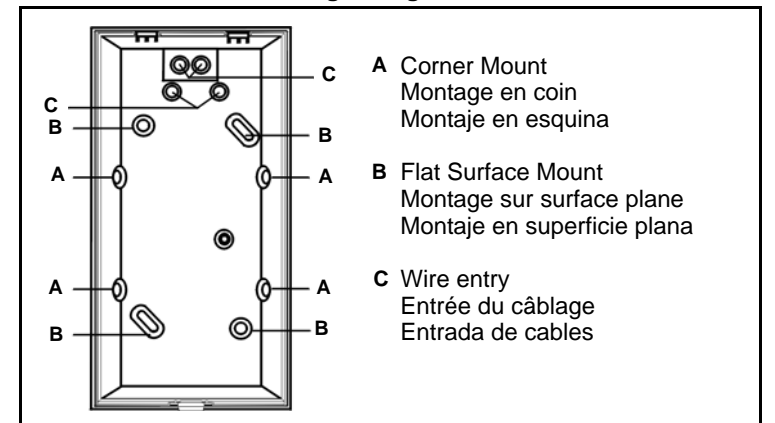
Figure/Figura 2



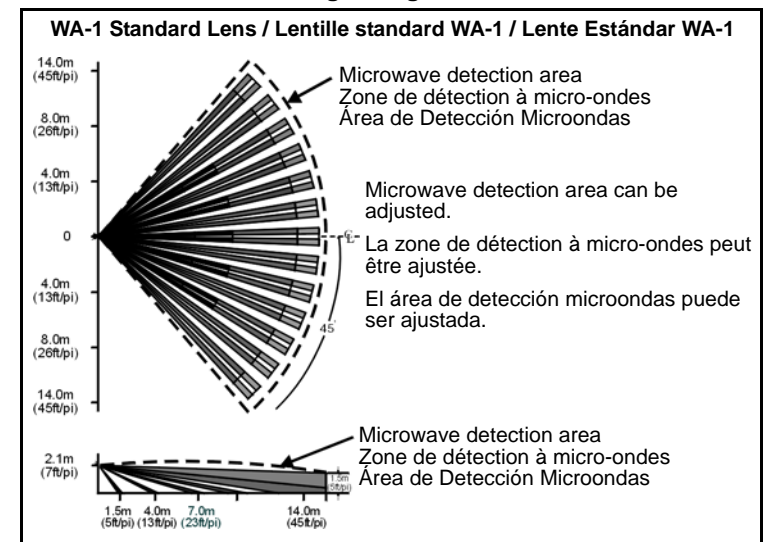
Figure/Figura 3



Figure/Figura 4



Figure/Figura 5



English

What's New with V3.0

The following has changed from V2.0:

- Orange and green LEDs added. See *LED Setting (JP2)* for more information.
- Test modes no longer available (JP4 removed).
- Reduced current consumption during start-up.

Digital Shield™ Setting (JP1)

In Normal Shield mode, the detector is set for normal environments. In High Shield mode, the detector is set for high-risk environments (potential interferences) and therefore provides greatly increased false alarm immunity. However, response time and detector speed may be slower.

ON = Normal Mode (default)

OFF = High Shield Mode (Low Sensitivity)

LED Setting (JP2)

JP2 enables or disables the three LEDs. When the LEDs are enabled:

Green LED: illuminates when microwave movement is detected (only if infrared movement has already been detected)

Orange LED: illuminates when infrared movement is detected

Red LED: illuminates for 3 seconds when an alarm occurs

ON = LEDs enabled (default)

OFF = LEDs disabled

Single or Dual Edge Processing (JP3)

This setting determines the DSP (Digital Signal Processing) operational mode of the detector. Single Edge Processing mode should be used in normal environments with minimal sources of interference. Dual Edge Processing Mode provides better false alarm rejection in the case where the detector is placed near sources of interference that can adversely affect the motion detector.

ON = Single Edge Processing (default)

OFF = Dual edge processing

Installation

Using a Paradox® standard lens at the recommended installation height of 2.1m (7ft) ±10%, the Paradox Digital Vision detector will provide full coverage from 1.5m (5ft) to 14m (45ft) without any dead zones (Figure 5).

Français

Du nouveau avec la V3.0

Voici ce qui a changé depuis la V2.0 :

- DEL orange et verte ajoutées. Voir *Réglage des DEL (JP2)* pour plus amples renseignements.
- Modes d'essais plus disponibles (cavalier JP4 retiré).
- Consommation de courant réduite pendant le démarrage.

Réglage de l'algorithme numérique Shield™ (JP1)

En mode Protection normale, le détecteur est réglé pour des conditions d'environnement normal. En mode Protection élevée, le détecteur est réglé pour des conditions d'environnement à haut risque (possibilité d'interférences) et est donc pourvu d'une immunité inégalée contre les fausses alarmes. Cependant, la vitesse du détecteur et le temps de réponse peuvent être plus lents.

INSTALLÉ (ON) = mode Protection normale (par défaut)

NON INSTALLÉ (OFF) = mode Protection élevée

Réglage des DEL (JP2)

Le cavalier JP2 active ou désactive les trois DEL. Lorsque les DEL sont activées :

DEL verte : s'allume lors de détection de mouvement micro-ondes (seulement s'il y a déjà eu détection de mouvement infrarouge)

DEL orange : s'allume lors de détection de mouvement infrarouge

DEL rouge : s'allume pendant 3 secondes lors de génération d'une alarme

INSTALLÉ (ON) = DEL activées (par défaut)

NON INSTALLÉ (OFF) = DEL désactivées

