

LC-104-PIMW (Form A)

LC-124-PIMW (Form C)

Dual-Tech Motion Sensor (PIR & Microwave) with Pet Immunity

Sensor de movimiento de tecnología doble (sensor PIR y microondas) con inmunidad a mascotas

Détecteur de mouvement bi-technologie (IRP & hyperfréquence) avec immunité aux animaux

Rilevatore di Movimento a Doppia Tecnologia

(Infrarroso + Microonda)

con inmunità agli animali

Dualna czujka ruchu (PIR i mikrofala) odporna na obecność zwierząt

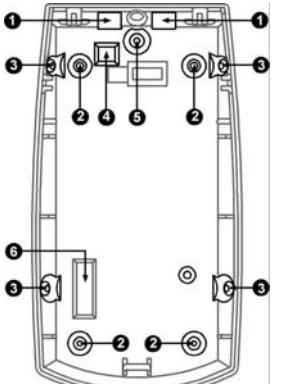


Fig 1 Knockout holes / Orificios troquelados / Trou de débouchure
Fori ciechi / Otwory montażowe

Bracket Installation - Wall mount bracket (ceiling mount available)

Instalación del soporte-Escuadra de montaje en pared (escuadra para techo disponible)

Installation du support-Support de montage mural (support pour montage au plafond disponible)

Installazione dello snodo-Snodo per il montaggio a parete (disponibile snodo per il montaggio a soffitto)

Montaż uchwyty-Uchwyty do montażu na ścianie (dostępny także uchwyty do montażu na suficie)

ENGLISH

ENGLISH

The detector provides an analysis of environmental conditions through the entire movement speed frequency spectrum, allowing focus on intruders and eliminating environmental factors of false alarms. The spectrum analysis is embedded in the VLSI based electronics of the detector assuring high reliability and trouble free operation.

As the LC-104 (Form A) and LC-124 (Form C) is a combined technology (PIR & microwave) alarm signal relay activation occurs only when signals from both sensors (PIR & MW) are present at the same time. The effective detection range is the range of which the patterns (PIR & MW) are intersected. The GAIN potentiometer adjustment changes the MW signal intensity so that the effective pattern will be scaled.

This Installation Manual shall be used in conjunction with the Installation Manual of the ALARM Control Panel.

TYPICAL INSTALLATION

Select mounting location

Choose a location most likely to intercept an intruder. (Our recommendation is a corner installation). See detection pattern (Fig.3).

The quad-element high quality sensor detects motion crossing the beam; it is slightly less sensitive detecting motion toward the detector. **Avoid The Following Locations:** * Facing direct sunlight. * Facing areas that may change temperature rapidly. * Areas where there are air ducts or substantial airflows.

The LC-104-PIMW / LC-124-PIMW perform better when provided with a constant and stable environment.

This detector shall be installed and used within an environment that provides the pollution degree max 2 and overvoltages category II, NON HAZARDOUS LOCATIONS, indoor only. The detector is designed to be installed by service persons only.

MOUNTING THE DETECTOR

1. Remove the front cover by unscrewing the holding screw (Fig. 2-11) and gently raise the front cover. (Fig. 2 - 5)

2. Remove the PC board by unscrewing the holding screw located on the board. (Fig. 2 - 9)

3. Break out the desired holes for proper installation (Fig. 1 - 2) for flat mount or Fig. 1-3 for corner mount) Use 4 screws type 3x30mm.

4. The circular and rectangular indentations at the bottom base (Fig. 1-1, Fig. 1-4) are the knockout holes for wire entry.

5. Mount the detector base to the wall or corner.

6. For optional bracket installation open hole Fig. 1-6 for the bracket screw and install Bracket wall adapter (Fig. 2-18) or Bracket ceiling adapter (Fig. 2-23)

7. Reinstall the PC board by fully tightening the holding screw.

8. Connect wire to terminal block. (Fig. 4)

9. Replace the cover by inserting it back in the appropriate closing pins and screw in the holding screw.

If back tamper is assembled (Fig. 1-6) there is no bracket option and the detector must be installed in flat mounting only

DETECTOR INSTALLATION

Terminal Block Connections (See Fig. 4)

Terminals 1 & 2 - Marked "T2, T1" (TAMPER) Connect these terminals to a 24-hour normally closed protective zone in the control unit. If the front cover of the detector is opened, an immediate alarm signal will be sent to the control unit.

Terminal 3 Marked "NC" - This is the NC (Normally Closed) output of ALARM relay. (This contact is functional on LC-104-PIMW and LC-124-PIMW)

Terminal 4 Marked "C" - This is the COMMON output of ALARM relay (This contact is functional on LC-104-PIMW and LC-124-PIMW).

Terminal 5 Marked "NO" - This is the NO (Normally Open) of ALARM relay (This contact is functional on LC-124-PIMW only).

Terminal 6 - Marked "-" (GND) Connect to the negative Voltage output or ground of the control panel.

Terminal 7 - Marked "+" (+12V) Connect to a positive Voltage output of 9.6-16VDC source. Use only a listed power limited source.

Note: The detector shall be provided with minimum of 4 hours of standby power from either a listed compatible control unit or power supply.

SETTING UP THE DETECTOR (Dipswitch Fig.5-2)

LED ENABLE / DISABLE

Switch 1 of dipswitch marked "LED" - LED's Enable/Disable Position Up "ON" - LED's ENABLE The 3 LED's will be activating Red for ALARM, Green for PIR detection, Yellow for MW detection..

Position Down "OFF" - LED's DISABLE The LED's are disabled.

NOTE: The state of the switch "LED" - does not affect the operation of the relays. When an intrusion is detected, the alarm relays will switch into alarm condition for 2 sec.

PIR SENSITIVITY ADJUSTMENT

Switch 2 of dipswitch marked "PIR" - provides sensitivity control of PIR according to the environment.

Position Up "ON" - (Pulse=1) - High sensitivity for stable environments.

Position Down "OFF" - (Pulse=Auto) - Low sensitivity for harsh environments.

MW SENSITIVITY ADJUSTMENT

Switch 3 of dipswitch marked "MW" - provides sensitivity control of Microwave detection according to the environment.

Position Up "ON" - (8 Pulses) - Low sensitivity for harsh or unstable environments.

Position Down "OFF" (2 Pulses) - High sensitivity for stable environments

PET IMMUNITY SETTING

Switch 4 of dipswitch marked "PET" - provides setting for pet weight 15kg (33lbs) or 25kg (55lbs)

Position Up "ON" - Immunity to animals up to 15 kg (33lbs)

Position Down "OFF" - Immunity to animals up to 25kg (55lbs)

Note: Pet immunity feature has not been tested by UL.

AND/OR FUNCTION SETTING

Switch 5 of dipswitch marked "A/0" - provides setting for ALARM

ESPAÑOL

Este detector proporciona un análisis de las condiciones ambientales a lo largo del espectro completo de velocidades de movimiento, lo que le permite centrarse en intrusos y eliminar los factores ambientales típicos de las falsas alarmas. El análisis del espectro está integrado en la electrónica del detector basada en la tecnología VLSI, lo que asegura una alta fiabilidad y un funcionamiento sin fallos. Dado que el LC-104-PIMW / LC-124-PIMW está construido sobre una tecnología combinada (sensor pasivo infrarrojo y microondas), la activación del relé de la señal de alarma se da sólo cuando se reciben señales de ambos sensores (PIR y microondas) al mismo tiempo. El alcance eficaz de detección es el alcance de la intersección de ambos patrones (PIR y microondas). El ajuste del potenciómetro GAIN modifica la intensidad de la señal de microondas para escalar el patrón efectivo.

Este Manual de instalación deberá utilizarse conjuntamente con el Manual de instalación del panel de control de la alarma. **INSTALACIÓN TÍPICA**

Seleccione la ubicación de montaje

Elegir una ubicación en la que estime más probable la intercepción de un intruso. (Nuestra recomendación es la instalación en una esquina).

Véase el patrón de detección (Fig. 3). El sensor Quad de alta calidad detecta el movimiento que cruza el haz, y es algo menos sensible en la detección del movimiento hacia el propio detector.

Evite los siguientes emplazamientos: * Facing direct sunlight. * Facing areas that may change temperature rapidly. * Areas where there are air ducts or substantial airflows.

The LC-104-PIMW / LC-124-PIMW perform better when provided with a constant and stable environment.

This detector shall be installed and used within an environment that provides the pollution degree max 2 and overvoltages category II, NON HAZARDOUS LOCATIONS, indoor only. The detector is designed to be installed by service persons only.

MONTAJE DEL DETECTOR

1. Retirar la cubierta frontal desenrostando la viga de fijación (Fig. 2-11) y levantando suavemente la cubierta frontal. (Fig. 2 - 5)

2. Retirar la placa del ordenador desenrostando la viga de fijación situada en la placa. (Fig. 2 - 9)

3. Desgarrar los agujeros deseados para una instalación correcta ((Fig. 1 - 2) para marcar en el plano o (Fig. 1 - 3) para marcar en la esquina) Use 4 tornillos tipo 3x30mm.

4. Las hendiduras circulares y rectangulares en la base del dispositivo (Fig. 1-1, Fig. 1-4) son las entradas para los cables.

5. Enmarcar la base del dispositivo en la pared o en la esquina. Este detector debe instalarse y utilizarse en un entorno que proporcione como máximo el grado de contaminación 2 y la categoría de sobreintensión II, UBICACIONES NO PELIGROSAS, y sólo en interiores. El detector está diseñado para su instalación únicamente por parte de personal de servicio técnico.

MONTAJE DEL DETECTOR

1. Retirar la cubierta frontal por medio de desenrostrar los tornillos que sostienen el dispositivo (Fig. 2-11) y con cuidado levantar la cubierta frontal. (Fig. 2 - 5)

2. Retirar la placa del ordenador por medio de desenrostrar los tornillos que lo sostienen situados en la placa. (Fig. 2 - 9)

3. Hacer los agujeros deseados para una instalación correcta ((Fig. 1 - 2) para marcar en el plano o (Fig. 1 - 3) para marcar en la esquina) Use 4 tornillos tipo 3x30mm.

4. Las hendiduras circulares y rectangulares en la base del dispositivo (Fig. 1-1, Fig. 1-4) son los agujeros para el cable.

5. Enmarcar la base del dispositivo en la pared o en la esquina. Este detector debe instalarse y utilizarse en un entorno que proporcione como máximo el grado de contaminación 2 y la categoría de sobreintensión II, UBICACIONES NO PELIGROSAS, y sólo en interiores. El detector está diseñado para su instalación únicamente por parte de personal de servicio técnico.

INSTALACIÓN DEL DETECTOR

Conexiones del bloque de terminales (véase la Fig. 4)

Terminales 1 y 2 - Marcados como "T2, T1" (TAMPER) Conecte estos terminales a una zona protectora normalmente cerrada de 24 horas en la unidad de control. Si se abre la tapa frontal del detector, se enviará inmediatamente una señal de alarma a la unidad de control.

Terminal 3 marcado con "NC" - Este es NC (Normalmente Cerrado) salida de relé de ALARMA (Este contacto es funcional en el LC-104-PIMW y LC-124-PIMW)

Terminal 4 marcado con "C" - Este es el COMMON de el relé de ALARMA (Este contacto es funcional en el LC-104-PIMW y LC-124-PIMW).

Terminal 5 marcado con "NO" - Este es NO (Normalmente Abierto) del relé de ALARMA (Este contacto es funcional solamente en el LC-124-PIMW)

Terminal 6 - Marcado como "-" (GND) - Conéctelo a la salida de tierra negativa o a la tierra del panel de control.

Terminal 7 - Marcado como "+" (+12 V) - Conéctelo a una salida de tensión positiva de entre 9.6 y 16 Vcc.

CONFIGURACIÓN DEL DETECTOR (Véase la Fig. 5-2)

LED ABILITAR/DESABILITAR

El interruptor 1 marcado "LED" - Abilitar/Desabilitar los LED's Posición Arriba "PUESTO" - LED's ABILITADO. Los 3 LED's serán activados Rojo para ALARMA, Verde para detección PIR, Amarillo para detección del microondas.

Posición Abajo "APAGADO" - LED's DESABILITADO. Los LED's serán desabilitados.

NOTA: El estado del interruptor "LED" - no afecta el funcionamiento del relé. Cuando una intrusión es detectada, el relé de alarma se cambia a una condición de alarma por 2 segundos.

AJUSTE DE LA SENSIBILIDAD DEL SENSOR PIR

Interruptor 2 del microinterruptor, Utilizado para ajustar el sensor "PIR" - proporciona el control de la sensibilidad del sensor pasivo infrarrojo

Posición arriba - "ON" (Pulse=1). Alta sensibilidad para entornos estables.

Posición abajo - "OFF" (Pulse=Auto). Baja sensibilidad para entornos inestables.

AJUSTE DE LA SENSIBILIDAD DEL MICROONDAS (MW)

Interruptor 3 marcado "MW" - provee control de sensibilidad para la detección de microondas dependiendo del ambiente.

FRAANÇAIS

Le détecteur permet d'analyser les conditions environnementales à lo largo del spectre complet de vitesses de mouvement, ce qui lui permet de se concentrer sur les intrus et d'éliminer les facteurs environnementaux responsables des fausses alarmes. L'analyse du spectre est intégrée dans l'électronique du détecteur basée sur la technologie VLSI, ce qui assure une haute fiabilité et un fonctionnement sans encombre. Dado que le LC-104-PIMW / LC-124-PIMW est construit sur une technologie combinée (capteur passif infrarouge et microonde), l'activation du relais de l'alarme survient uniquement lorsque les deux signaux des deux détecteurs (PIR et hyperfréquence) sont présents en même temps. La portée de détection effective est la portée de croisement des deux technologies (PIR et hyperfréquence). Le réglage du potentiomètre GAIN permet de modifier l'intensité du signal hyperfréquence afin que la portée effective puisse être échelonnée.

Etant donné que le LC-104-PIMW / LC-124-PIMW s'appuie sur une technologie combinée (infrarouge passif et hyperfréquence), l'activation du relais du signal d'alarme survient uniquement lorsque les deux détecteurs (PIR et hyperfréquence) sont présents en même temps. La portée de détection effective est la portée de croisement des deux technologies (PIR et hyperfréquence). Le réglage du potentiomètre GAIN permet de modifier l'intensité du signal hyperfréquence afin que la portée effective puisse être échelonnée.

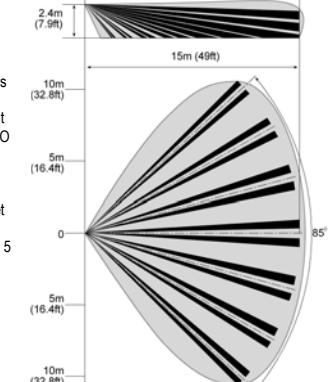
Cette instruction devra être utilisée conjointement avec le manuel d'installation du panneau de contrôle de l'alarme.

INSTALACIÓN TÍPICA

Selecciónnez la emplacement de montage

Choisissez l'emplacement le plus approprié pour intercepter un intrus. (Nous recommandons une installation dans un angle). Voir la portée de détection (Fig. 3). Le capteur Quad haute qualité détecte tout mouvement croisant le faisceau ; la détection du mouvement est légèrement

Coverage area: 50 ft x 50 ft (minimum sensitivity) and 60 ft x 50 ft (maximum sensitivity)



relay activation.

Position Up "ON" - OR mode – the ALARM relays will activate as a function of PIR OR MW detection (The first channel that detects will activate the ALARM)

Position Down "AND" - AND mode – the ALARM relays will activate as a function of both PIR AND MW detection.

NOTE: Detector must be restart by temporary remove power before the new settings will take effect.

RANGE CALIBRATION

The "MW" potentiometer (Fig. 5-4) adjusts the MW detection range between minimum and maximum (factory set to middle position). The "PIR" potentiometer (Fig. 5-1) adjusts the PIR detection range between Minimum and Maximum (factory set to Middle Position).

NOTE: The "MW" and "PIR" potentiometer may need to be adjusted to the Maximum positions in order to achieve maximum area of coverage as indicated in Fig. 3.

WIRE SIZE REQUIREMENTS

Use #22 AWG (0.5 mm) or wires with a larger diameter. Use the following table to determine required wire gauge (diameter) and length of wire between the detector and the control panel.

Wire Length	m	200	300	400	800
Wire Diameter	mm	.5	.75	1.0	1.5
Wire Length	ft.	656	984	1312	2624
Wire Gauge	AWG	22	20	18	16

WALK TESTING

IMPORTANT NOTE: Upon installation, the unit should be thoroughly tested to verify proper operation. The end user should be instructed on how to perform a walk test weekly.

Make sure detector has been set up: Pulse=1, LED=ON and protected area cleared of all people. Create motion in the entire area where coverage is desired, observe the Green LED for PIR detection, and Yellow LED for MW detection. Should the coverage be incomplete, readjust range or relocate the detector.

Once coverage is as required, the alarm LED may be disabled.

Use the optional LC-L1ST wall mount or ceiling mount brackets to solve placement problems. The brackets allow for horizontal positioning of the detector.

Note: For UL installations the detector shall be tested annually.

TECHNICAL SPECIFICATION

Detection Method	Quad (Four element) PIR & microwave pulse Doppler
Power Input	9.6 to 16Vdc
Current Draw	Active: 25mA Standby: 20mA
Temp Consumption	Yes
Alarm Period	2 ± 1 sec
Alarm Outputs	LC-104-PIMW - Form A - NC LC-124-PIMW - Form C - NC & NO 28Vdc 0.1A with 10 Ohm series protection resistors
Tamper Switch	NC 28Vdc 0.1 A with 10 Ohm series protection resistors open when cover is removed
Warm up Period	1min
LED Indicator	LED's are blinking during warm up period and self testing
Red LED	ON during alarm
Green LED	PIR CHANNEL
Yellow LED	MW CHANNEL
RF Immunity	10 V/m plus 80% AM from 80 MHz to 1GHz
Static Immunity	8kV contact, 15kV air
Transient Immunity	2.4kV @ 1.2joules
Operation Temp	-10°C ~ +50 °C (14°F~122°F)
Dimensions	118mm x 62.5mm x 41mm (4.65" x 2.46" x 1.61")
Weight	102gr. (3.6oz.)

NOTE: This equipment 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 a residential installation. 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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 or relocate the receiving antenna. -- Increase the separation between the equipment and receiver. -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -- Consult the dealer or an experienced radio/TV technician for help.

Warning! Changes or modifications to this equipment not expressly approved by the party responsible for compliance (DSC Ltd.) could void the user's authority to operate the equipment. This device complies with part 15 of the FCC rules. Operations are 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 Class B digital apparatus complies with Canadian ICES-003. The term 'IC' before the radio certification number only signifies that industry Canada technical specifications were met.

For UL/ULC installations use only detectors operating at 10.525GHz.

UL/ULC tested operation of the product at 0 ~ 49°C, 93%RH. Use only resistive loads on the relay outputs.

Posición Arriba "PUESTO" - (8 Pulso) - Sensibilidad baja para ambientes severos o inestables.

Posición Abajo "APAGADO" - (2 Pulso) - Sensibilidad alta para ambientes estables.

AJUSTE DE LA INMUNDADIA A MASCOTAS

Interruptor 4 del microinterruptor, Utilizado para configurar la inmunidad a MASCOTAS ("PET") de 15 kg a 25 kg.

Posición arriba - "ON" - Inmunidad a mascotas de hasta 15 kg.

Posición abajo - "OFF" - Inmunidad a un animal de hasta 25 kg.

AJUSTE DE FUNCION DE AND/OR

Interruptor 5 marcado "A/0" - provee ajuste para la activación del relé de ALARMA.

Posición Arriba "OR" - modo OR - el relé de ALARMA se activara como una función de detección del PIR o MICROONDA. (El primer canal que sea detectado activara la ALARMA)

Posición Abajo "AND" - Modo AND - el relé de ALARMA se activara como una función de ambos detección PIR y MICROONDA.

NOTA: Este detector debe ser reiniciado retirando temporalmente la alimentación para que los nuevos ajustes entren en vigor.

CALIBRACIÓN DEL ALCANCE

El potenciómetro "MW" (Fig. 5-4) ajusta el alcance de detección de las microondas entre el Mínimo y el Máximo (factory set to middle position).

El potenciómetro "PIR" (Fig. 5-1) ajusta el alcance de detección entre el Mínimo y el Máximo (factory set to Middle Position).

NOTA: The "MW" and "PIR" potentiometer may need to be adjusted to the Maximum positions in order to achieve maximum area of coverage as indicated in Fig. 3.

WIRE SIZE REQUIREMENTS

Use #22 AWG (0.5 mm) or wires with a larger diameter. Use the following table to determine required wire gauge (diameter) and length of wire between the detector and the control panel.

Wire Length	m	200	300	400	800
Wire Diameter	mm	.5	.75	1.0	1.5
Wire Length	ft.	656	984	1312	2624
Wire Gauge	AWG	22	20	18	16

WALK TESTING

IMPORTANT NOTE: Upon installation, the unit should be thoroughly tested to verify proper operation. The end user should be instructed on how to perform a walk test weekly.

Make sure detector has been set up: Pulse=1, LED=ON and protected area cleared of all people. Create motion in the entire area where coverage is desired, observe the Green LED for PIR detection, and Yellow LED for MW detection. Should the coverage be incomplete, readjust range or relocate the detector.

Once coverage is as required, the alarm LED may be disabled.

Use the optional LC-L1ST wall mount or ceiling mount brackets to solve placement problems. The brackets allow for horizontal positioning of the detector.

Note: For UL installations the detector shall be tested annually.

REGLAGE DE LA SENSIBILITE DU DETECTEUR IRP

Interrupteur 2 de DIP. Utilisé pour le réglage du "PIR" - permet de régler la sensibilité de l'infrarouge passif selon l'environnement.

Position vers le haut- "ON"- (Impulsion=1) Sensibilité élevée pour les environnements stables.

Position vers le bas- "OFF"- (Impulsion=Auto) Sensibilité faible pour les environnements difficiles.

AJUSTEMENT DE LA SENSITIVITÉ DU MW

L'interrupteur 3 dipswitch marqué "MW" - fournit la commande de sensibilité de la détection de micro-ondes selon l'environnement.

Position vers le haut de "ON" - (8 impulsions) - basse sensibilité pour les environnements instables.

Placez en bas "OFF" - (2 impulsions) - sensibilité élevée pour les environnements stables

AJUSTEMENT DE L'IMMUNITÉ AUX ANIMAUX DOMESTIQUES

Interrupteur 4 de DIP. Utilisé pour le réglage de "PET" 15 kg-25 kg

Position vers le haut "ON" - Immunité aux animaux domestiques pesant jusqu'à 15 kg.

Position vers le bas "OFF" - Immunité agli animali fino a 15 kg.

FUNZIONE AND/OR

Switch 5 del dipswitch marcato "A/O" - definisce la modalità di attivazione del relè di ALLARME.

Posizione alta "ON" - Modalità OR - L'attivazione del relè di ALLARME sarà generata dal sensore PIR OPPURE dal sensore MW. (Il primo dei due che rileva un'intrusione attiverà l'ALLARME).

Posizione bassa "OFF" - Modalità AND - L'attivazione del relè di ALLARME sarà generata dal contemporaneo allarme del sensore PIR E del sensore MW.

NOTA: Il rilevatore deve essere riavviato, rimuovendo temporaneamente l'alimentazione, affinché le nuove impostazioni abbiano effetto.

REGOLAZIONE DELLA PORTATA

Il potenziometro "MW" (Fig. 5-4) regola la portata della microonda tra il Minimo e il Massimo (impostazione di fabbrica Posizione centrale).

Il potenziometro "PIR" (Fig. 5-1) regola la portata dell'infrarosso tra il Minimo e il Massimo (impostazione di fabbrica Posizione centrale).

NOTA: per ottenere la massima copertura di superficie indicata a Fig. 3, a volte i potenziometri "MW" e "PIR" dovranno essere regolati al massimo

SPECIFICHE DEI CONDUTTORI

Usare un conduttore AWG n. 22 (0,5 mm) o di diametro maggiore.

Usare la tabella seguente per determinare il diametro del conduttore in base alla lunghezza del collegamento tra il rilevatore e la centrale.

Lunghezza Conduttore	m	200	300	400	800
Diametro Conduttore	mm	0,5	0,75	1,0	1,5
Calibro Conduttore	AWG	22	20	18	16

TEST INSTALACJI

AVVERTENZA IMPORTANTE: Una volta installato, il rilevatore dovrebbe essere provato a fondo per verificare il corretto funzionamento. L'utente finale dovrebbe essere istruito su come effettuare una prova di copertura settimanalmente.

Assicurarsi che il rilevatore sia impostato con Impulso=1, LED=ON, e che non ci sia nessuno nell'area protetta. Muoversi nell'area che deve essere sorvegliata dal rilevatore e assicurarsi che il LED verde segnali la rilevazione dell'infrarosso, e che il LED giallo segnali la rilevazione della microonda. Se la copertura dovesse essere incompleta, regolare la Portata o cambiare la posizione del rilevatore. Quando la copertura è quella desiderata, i LED di allarme possono essere disabilitati.

Usare gli snodi opzionali per il fissaggio a muro / a soffitto, per risolvere i problemi di posizionamento.

CARATTERISTICHE TECNICHE

Método de detección	Sensor PIR Quad (de cuatro elementos) y pulsos Doppler de microondas
Alimentación	Entre 9.6 y 16 V CC
Consumo de	