

FEATURES:

- * Dual element pyrosensor
- * Pulse count selection
- * Sensitivity adjustment
- * Temperature compensation
- * RF Immunity
- * Tamper circuit
- * Input surge protection
- * Built in MULTI End Of Line resistor
- * High-Tech design
- * Hermetically sealed pyrosensor
- * Insect / rust protection on P.C.B.
- * Swivel mounting bracket included
- * Multipurpose LED selection
 - 90 minutes activation memory
 - Environmental Infrared Monitor
- * Computerized extensive testing and burn-in

REMOVING THE FRONT COVER.



PLACING THE FRONT COVER.

To place front cover first hook the top into place (1). Carefully swivel the cover back ensuring that the LED fits properly into the funnel (2). last insert the screw at the bottom (3)



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H.W_PIR2.CDR

CONNECTIONS & STANDARD SETTINGS

TERMINAL BLOCK END OF LINE TAMPER RESISTOR /UMPFR ¥ + NC $| \oplus | \oplus |$ RELAY LED LED JUMPER SENSITIVITY

PIROSENSOR PULSE COUNT JUMPER ADJUSTMENT

TECHNICAL SPECIFICATIONS

Supply voltage: 10 to 16 V DC Current consumption: 13mA Relay: N.C. on stand-by Contact rating .1 Amp 28VDC WARM-UP DELAY: 2 min EOL Resistor: 3.3 / 2.7 / 2.2 / 1.2 Kohms

Detection 0.15 to 3.2 m/sec

SENSITIVITY ADJUSTMENT

There are 4 settings to adjust the sensitivity XL- For very stable surroundings (max. range)

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L - For stable surroundings (normal range)

M - For unstable surroundings (reduced range)

S - For very unstable environment(drastically reduced range.(4mt)









(top view)

PULSE COUNT JUMPER SETTINGS

1 pulse, for very stable areas - small masses detected



3 2 1 2 pulses, for Stable areas ● ● ● - medium & large masses



detected (NORMAL SETTING) 3 pulses, for high unstable areas

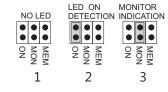
- only large masses detected

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LED JUMPER SETTING

The LED may be set to perform the following functions:

- 1- Permanently OFF
- 2- Indicates relay activation (NORMAL SETTING)
- 3- Used as Environmental Infrared Monitor. TEMPORARILY use this setting when you suspect an unstable environment which could cause false alarms While standing very still observe that the LED does not turn on. If it does chose a lower sensitivity setting.



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TERMINAL BLOCK CONNECTIONS:

TAMPER N.C. \Box 5 6

12VDC RELAY $\mathbb{O}[\mathbb{O}]$

Terminal 1 Connect to negative (-) supply Terminal 2 Connect to positive (+) 12v

Terminal 3 & 4

This is a voltage free contact (closed= normal) (open on detection)

Terminal 5 & 6

These are the N.C. Contacts of a tamper sw. Connect to a 24 Hour, Normally Closed zone.

NOTE: Through making the correct EOL JUMPER setting, different values can be selected for the EOL resistor.

1.2Kohms

2 2Kohms



3.3Kohms



2.7Kohms

SELECTING MOUNTING LOCATIONS

Choose a location most likely to intercept an intruder. See detection patterns in figure 16 for best suited lenses. ("A" supplied as standard)

Mount the detector as close as possible to 2.1 mt from the floor. Tilt the detector to suit the area to be covered (see fig. 10,11 &12).

Best performance is achieved when installed in a constant and stable environment so that the sensitivity can be increased.

The dual-element sensor best detects motion across the beam. It is less sensitive when detecting motion towards the detector.

AVOID THE FOLLOWING LOCATIONS

- Facing direct sunlight.
- Facing areas subject to rapid and frequent temperature changes.
- Areas with air ducts.

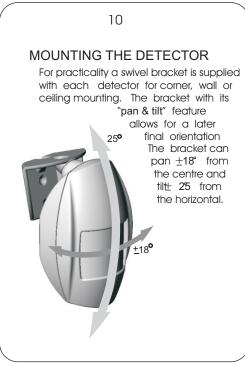
TEST PROCEDURE:

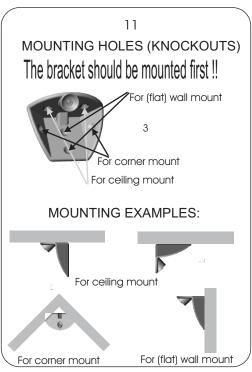
After applying power, wait 3 to 4 minutes before conducting any test and ensure that the protected area cleared of all people.

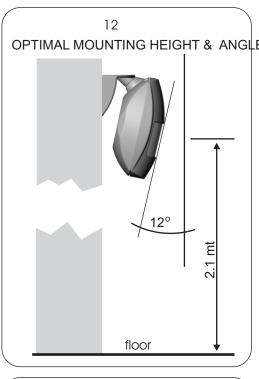
Walk Test:

- 1. Remove the front cover. Ensure that the pulse count is set to 3 and that the LED is enabled.
- 2. Replace the front cover.
- 3. Wait few seconds (5) to allow for the PIR to settle
- 4. Start walking slowly across the detection zone.
- 5. Observe that the detector's LED lights up whenever motion is detected.
- 6. After the walk test is completed, the LED may be disabled.
- 7. Allow 5 sec. Between each test for the detector to stabilize.
- 8 adjust the orientation of the detector to provide maximum coverage

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