

IMPORTANT !

PRODUCT WARRANTY

This Housewatch product is guaranteed for a period of 2 (two) years from date of purchase provided this product has been installed in accordance with this instruction manual and local electrical wiring regulations and codes of practice.

This guarantee shall become invalid if this product has been incorrectly installed, misused, tampered with or accidentally damaged.

This guarantee is in addition to all other rights and remedies in respect of the product which the consumer has under the Trade Practices Act and other legislation.

If you wish to make a warranty claim, please return this product to place of purchase together with your purchase receipt.



Distributed by:

In Australia: Home & Safety Australia Pty Ltd

In New Zealand: Impel N.Z.

www.housewatch.com.au

OS110

Motion Detector Light Control

(Code: 55-110 White 55-101 Black 55-102 Silver 55-103 Beige)

(Code:HSAOS110W HT HSAOS110BLK HSAOS110SIL HSAOS110BGE)

INSTRUCTION MANUAL

Technical Specifications:

- Input Voltage: 240V AC 50HZ
- Switching Capacity: 1000W (max) lighting load for incandescent lights, 500W (max) for halogen lights, 250W (max) for fluorescent lights
- Detection Coverage: 110° Elliptical Field of View, 12M Forward
- Mode of Operation: Auto, Manual ON (8 hours max. only)
- Timer: Adjustable Time - 6 sec. to 12 min.
- LUX: Adjustable Light Level
- Meter: Adjustable "Sensitivity" (Detecting range) of sensor
- Operating Temperature: -20°C - +40°C
- Power Consumption: Less than 1W

HOW DOES YOUR HOUSEWATCH SENSOR WORK?

The infrared sensor 'sees' small temperature changes caused by the motion of people or cars within its detection zone and turns on lights automatically for security, convenience, safety and energy saving.

HOW LONG DO THE LIGHTS STAY ON?

The lights will turn off once motion in the detection range ceases and the sensor has timed out. You can adjust the time setting from 6 sec. to 12 min. Your Housewatch sensor is extremely energy efficient.

CAN OUTDOOR LIGHTS STILL BE TURNED ON WITH THE LIGHT SWITCH?

Yes, the sensor can be controlled by a conventional indoor switch. Lights can be turned on or off manually at any time.

- Lights off: Turn the switch 'off'.
- Automatic Operation: Turn the switch 'on'.
- Lights stay on (override): From 'on' position, turn light switch 'off' then back to 'on' position within 1 second. The lights will stay on for maximum 8 hours, after 8 hours the sensor will instantly return to automatic mode operation.

WILL MY HOUSEWATCH SENSOR DETECT ANIMALS?

It will not detect small animals, it may detect larger dogs and animals. Having animals trigger the sensor can help give your property a 'live-in' look. You can limit animal detection by turning down the meter adjustment, realigning the sensor or by placing electrical tape on the lower part of the lens, or both.

HOW ARE THE TIME, METER AND LUX SET?

Time, LUX and Meter (sensitivity) adjustments are located on the underside of the detector. To adjust, use a small screwdriver gently.

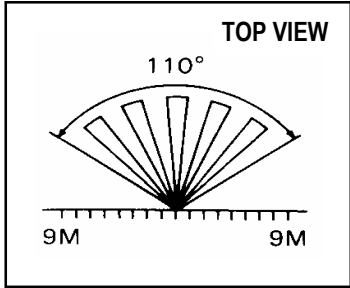
- Time: Sets the time that lights will remain on when in automatic mode. Setting arrow at "--" for 6 seconds and setting arrow at "+" for 12 minutes.
- LUX: Sets the LUX control for dusk to dawn operation. Turn LUX adjustment fully anti-clockwise to moon setting and the sensor will only operate during the period of darkness. Turn the LUX adjustment clockwise to sunsetting and the sensor operates in any degree of brightness or darkness.
- Meter: Increases or decreases the sensitivity (detection range) of sensor.

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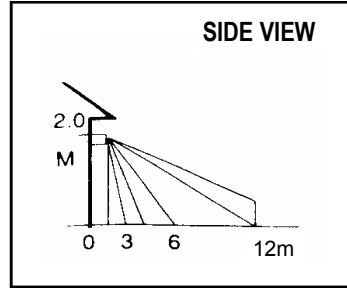
SELECTING A LOCATION

HOW LARGE AN AREA WILL THE SENSOR DETECT?

When mounted at the recommended height of 2m, the detection pattern extends out about 8-12m and is 110° wide. To reduce coverage, adjust the meter adjustment underneath the sensor or aim the detector towards the ground.



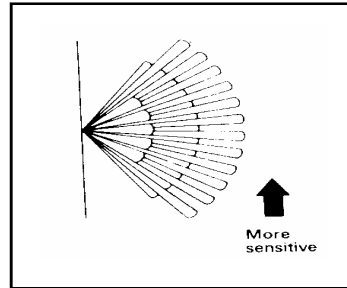
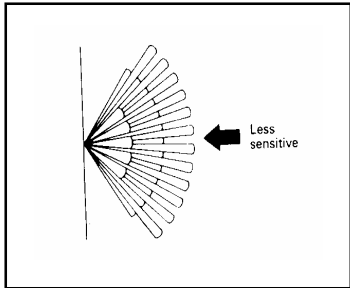
110° Detection Coverage



Three levels of view, adjustable range

Do not locate:

- On poles or trees that sway in the wind - movement triggers sensor.
- Where movement is directly towards sensor (see below).



TO AVOID NUISANCE TRIGGERING

Your motion sensor may be activated by large animals, lights, reflective surfaces, heat sources or movement of objects. The following guidelines will help you avoid nuisance triggering.

- Do not aim the sensor towards lights of any kind.
- If installing the sensor in tandem with a light(s), mount the sensor module below the light(s).
- Avoid aiming the sensor toward objects which may move in the wind such as trees or bushes.
- Avoid mounting the sensor near heat sources such as heating vents, air conditioners, dryer vents or lights.
- Avoid directing the sensor toward areas or objects whose surfaces are highly reflective or are subject to rapid temperature change, such as pools.

Although your sensor is weather-resistant, locate it undercover so that driving rain or snow will not hit the lens.

RECOMMENDED ACTION

1. Check light is switched on
2. Check the lamp
Caution: Switch off all power before changing the lamp.
3. Refer to wiring diagram
4. Check sensor is level and pointed at the area you desire and movement is not directly towards the sensor but across the lens. See Section 1 'Selecting a Location'. Check sensor is mounted at recommended height. Turn meter adjustment at bottom of sensor to "+" positive position.

1. Check position of time adjustment at bottom of sensor. Setting the arrow at "--" gives 6 seconds and setting the arrow fully at "+" gives 12 minutes. Adjust to desired time.

1. Turn time adjustment closer to "--" negative sign at bottom of sensor.
2. Turn light switch off for 20 seconds, then turn on. You are now in auto sensing mode.
3. Stay completely out of the sensor range to avoid activating sensor.
4. Make sure sensor is not aimed at something that would cause a temperature change or towards objects which may move eg. air conditioners, heating vents, tree branches, passing vehicles. Aim sensor in a different direction. (Refer to Section 1, Selecting A Location)
Sensor is installed incorrectly above lights which is causing sensor to detect heat. Reinstall sensor correctly.

1. Turn lux adjustment at bottom of sensor to moon setting.

TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE
Lights did not turn on (Sensor stopped working)	<ol style="list-style-type: none"> 1. Power not on 2. Lamp blown 3. Wired incorrectly 4. Sensor not detecting your movement
Lights going on and off quickly (Sensor irregular)	<ol style="list-style-type: none"> 1. Time adjustment set too low
Lights do not turn off	<ol style="list-style-type: none"> 1. Time adjustment is set too high 2. Sensor is in override mode 3. Sensor is detecting your movement 4. Sensor is detecting changes in heat or movement.
Sensor coming on during daytime	<ol style="list-style-type: none"> 1. Lux adjustment incorrectly set

2 INSTALLING YOUR MOTION SENSOR

CAUTION: THIS PRODUCT MUST BE INSTALLED BY A LICENSED ELECTRICIAN. TURN OFF ALL POWER BY REMOVING POWER FUSE OR TURNING OFF CIRCUIT BREAKER

- Read entire Instruction Manual before proceeding.
- All wiring should comply with local electrical codes and will require a licensed electrician.
- The total lighting load connected to the sensor must not exceed 1000 watts incandescent or 500 watts halogen light load.
- Do not use to control motors or high intensity discharge lights. Do not use with dimmers.
- All base plate seals must be used when installing for warranty purposes.

INSTALL PROCEDURE

NB: Product is supplied ready to install as ceiling mount, however, can be easily adapted for wall mount (see FIG D)

For wall mount, unscrew sensor from base plate, thread wires from sensor head through elbow adaptor. Ensure a ring nut is attached to both ends of the elbow adaptor. Thread sensor head onto base plate. Lock ring nut into position by turning clockwise.

For wall mount and ceiling mount:

- Fasten the junction box using screws and rubber washers provided rigidly to the selected mounting surface (wall or ceiling, see FIG D) with the cable entry hole facing downward (see FIG A) and "TOP" facing upwards.
- Take light and power cable through junction box cable entry and rubber grommet (ensure rubber gasket is inserted inside base plate), then wire as per wiring diagram (see FIG B and FIG C).
- Use plastic pins on junction box to fix terminal block into position.
- Re-check the wire connection is correct. Attach sensor base to junction box using 2 stainless steel screws provided (see FIG D).

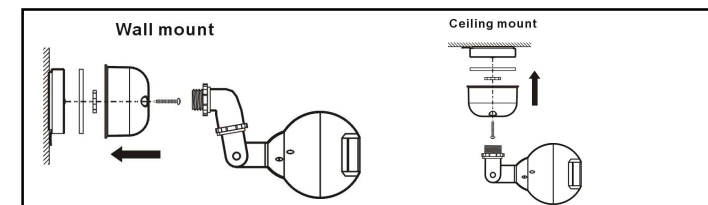
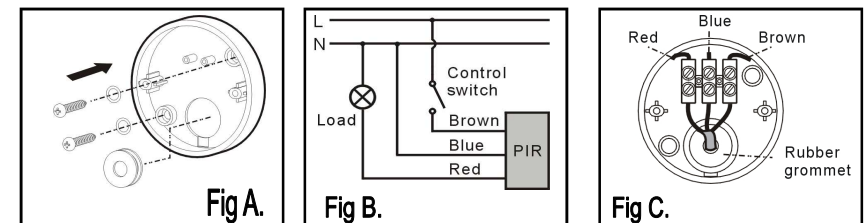


Fig D.

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AIMING AND ADJUSTING

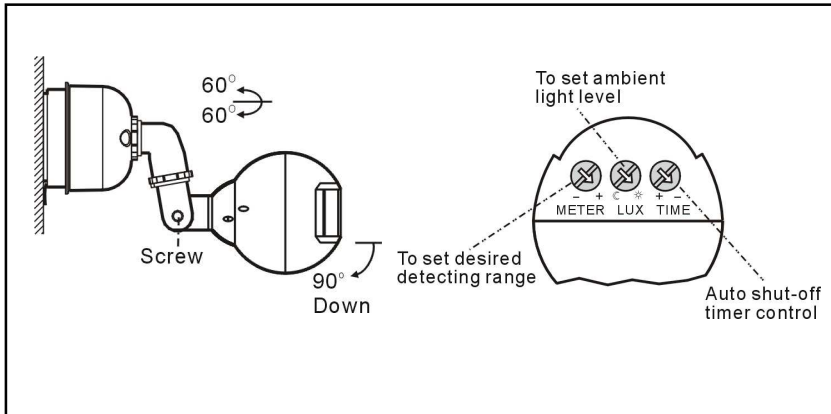
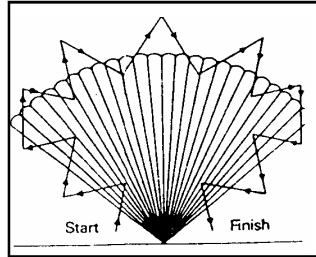
The purpose of the Walk Test is to check and adjust the coverage pattern of the sensor when in auto mode.

* Please adjust time knob to "--", lux knob to ☾ and meter knob to "+" before commencing the walk test.

WALK TEST

- 1 Aim the sensor across the traffic pattern you want to detect.
- 2 Turn on power. Please note: your Housewatch Sensor may require 30 seconds to warm up.
- 3 Start outside the pattern and walk across the pattern until the lights go on.
- 4 Adjust the sensor aiming as necessary to improve coverage.
- 5 Turn meter knob gently with a screwdriver. Setting knob to "--", your sensor will detect the smallest "Field of View". Setting knob to "+", your sensor will detect the largest "Field of View". Please be aware less sensitivity may avoid activation by wind, foliage or animals. More sensitivity will help cover a larger area but may cause false triggering.
- 6 Tighten screws to lock the sensor in position.
- 7 Set the 'Time' control. The minimum setting at "--" is 6 seconds, the maximum setting at "+" is 12 minutes. The set time period starts after the movement in the detection pattern ceases.
- 8 Set the 'LUX' control. Turn the lux adjustment fully anti-clockwise to the moon setting and the sensor will only operate during the period of darkness. Turn the lux adjustment fully clockwise to the sun setting and the sensor operates in any degree of brightness or darkness.

WALK TEST



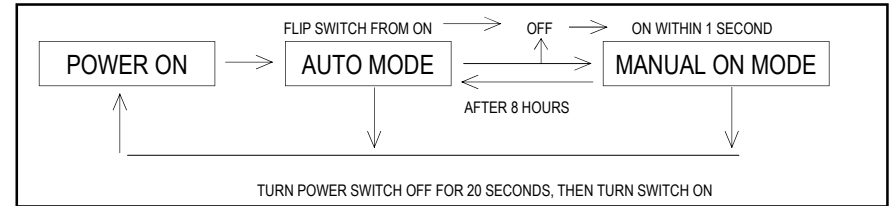
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OPERATION

The indoor light switch controls the sensor and outdoor lighting connected to the sensor. Turning the switch OFF will turn off the sensor and the controlled lighting.

When switching the control switch ON, the sensor will be in auto sensing mode. Leave the control switch ON for normal operation. The sensor will only switch lights on at night (depending on the lux setting), for the set time period.

If, at night time, you require the light to stay on (manual override for maximum 8 hours) the sensor can be overridden by switching the indoor light switch from ON to OFF, then immediately ON again. To return the sensor to auto mode, turn OFF the light switch, wait at least 20 seconds before switching ON.



NOTE

- Conditions which may cause lower sensitivity: On very foggy nights sensitivity may be less due to moisture collection on the lens. On very hot days sensitivity may be less since high ambient temperature may be close to body temperature making the unit appear to be less sensitive. On very cold days when heavy clothing is used, especially covering the facial area, very little heat will be emitted from the body causing the unit to appear less sensitive.

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MAINTENANCE AND REPAIR

CLEANING: Wipe with damp cloth only. Do not use soaps or polishes as they will damage the sensor lens. Please keep the sensor lens free from cobwebs.

REPAIR: There are dangerous levels of electricity inside and no user serviceable parts. For repair service follow our product warranty.