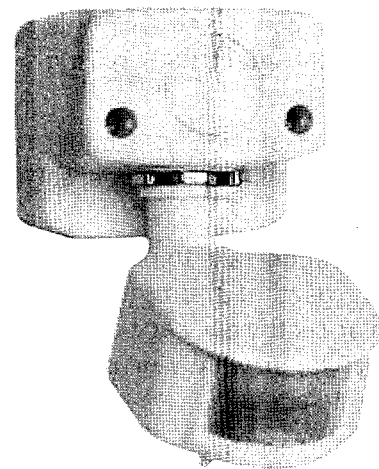


HOUSEWATCH[®]

12V DC/AC SENSOR Motion Detector Light Control (Model No: 55-320 White Only) (HSAOS32B)



INSTRUCTION MANUAL

Technical Specifications:

- Rated Voltage: 12V +/- 10% DC or AC 50-60 Hz
- Switching Contact: Free Contact
 - * 10A Max. for 12-240V AC
 - * 10A Max for 12-30V DC
 - * 200VA (120W) Max for CFL & PL Lamp
 - * 200VA (120W) Max for LED Lamp
- Detection Angle: Up to 120° (20°C)
- Mode of Operation: Auto
- Timer: Adjustable Time - 6 sec. to 12 min.
- LUX: Adjustable from 5 LUX~∞
- Meter: Adjustable Up to 10 Metres
- Operating Temperature: -20°C - +45°C



1 PACKAGE CONTENTS

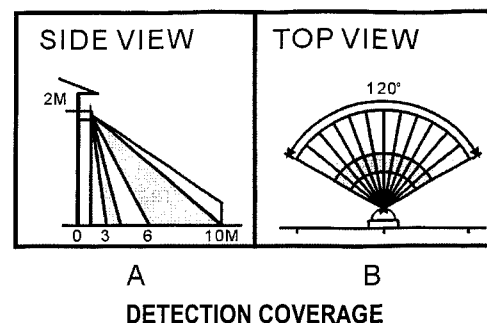
Item	Sensor	Manual	Terminal Block	Metal Ring	Rubber Grommet
Quantity	1	1	1	1	1

Item	Wood Screws	Screws	Plastic Washer	Wiring Box
	Φ4 x 25.4mm	Φ3 x 12mm	Φ28 x 1mm	
Quantity	2	2	1	1

2 SELECTING A LOCATION

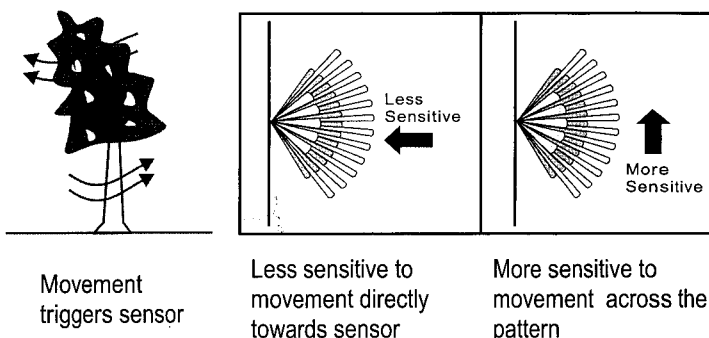
HOW LARGE AN AREA WILL THE SENSOR DETECT?

When mounted at the recommended height of 2m, the detection pattern extends out about 10m and is 120° wide. To reduce coverage, adjust the meter adjustment underneath the sensor or aim the detector towards the ground.



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.

3 INSTALLING YOUR MOTION SENSOR

CAUTION: 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 may require a licensed electrician.
- The total lighting load connected to the sensor must not exceed 10A.

- 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:

- Fasten the sensor base rigidly to the selected mounting surface (wall or ceiling) with the cable entry hold facing downwards (See FIG 4).
- Select a knock out hole on the connection box cover. Place one metal ring nut on the sensor thread. Now place the sensor through the chosen knock out hole and fasten with remaining metal nut (See FIG 5.)
- Take light and power cable through rubber grommet, then wire as per wiring diagram (See FIG 6 and FIG 7).
- Use white plastic pins on sensor base to fix terminal block into position. Re-check the wire connection is correct. Cover sensor base with connection box cover then fix with 2 screws (See FIG 8).

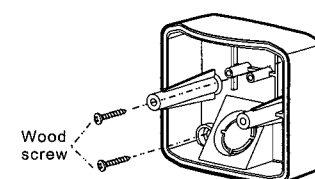


FIG. 4

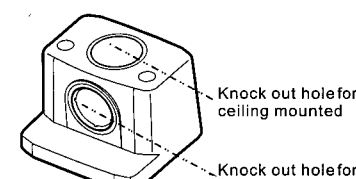


FIG. 5

WIRING DIAGRAM

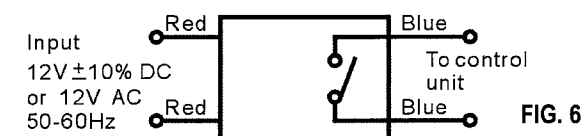


FIG. 6

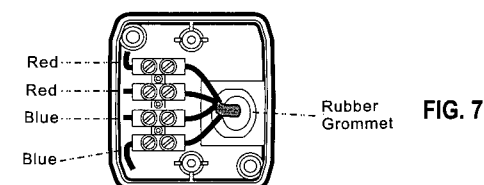
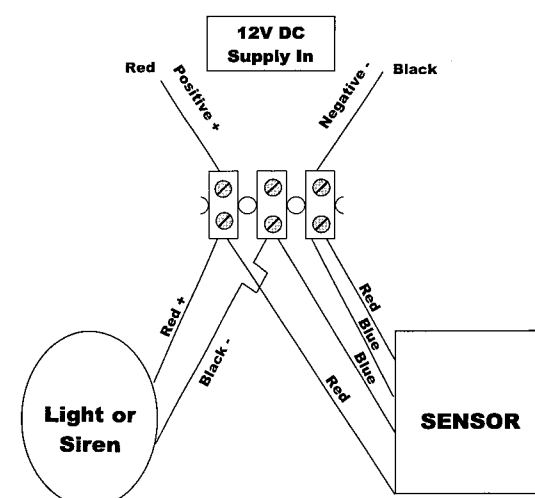
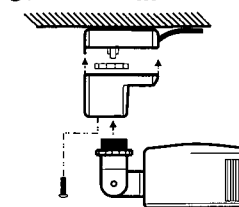


FIG. 7



CEILING MOUNT



WALL MOUNT

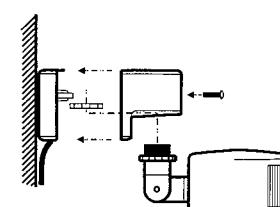


FIG. 8

4 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 FIG 9

WALK TEST

- Aim the sensor across the traffic pattern you want to detect.
- Turn on power. Please note: your Housewatch Sensor may require 30 seconds to warm up.
- Start outside the pattern and walk across the pattern until the lights go on (See FIG 9).
- Adjust the sensor aiming as necessary to improve coverage.
- Turn meter knob gently. 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 (See FIG 10).
- Tighten screws to lock the sensor in position.
- 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 (See FIG 10).
- 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 and moon setting and the sensor operates in any degree of brightness or darkness (See FIG 10).

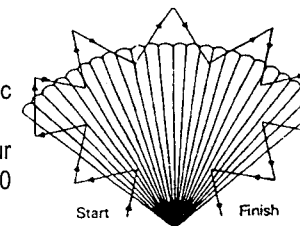
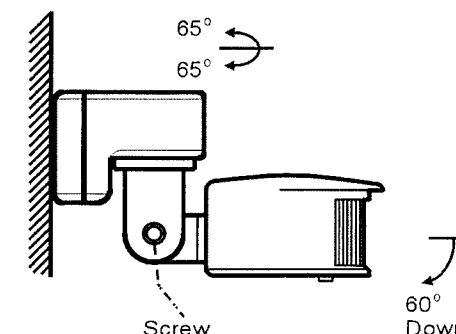
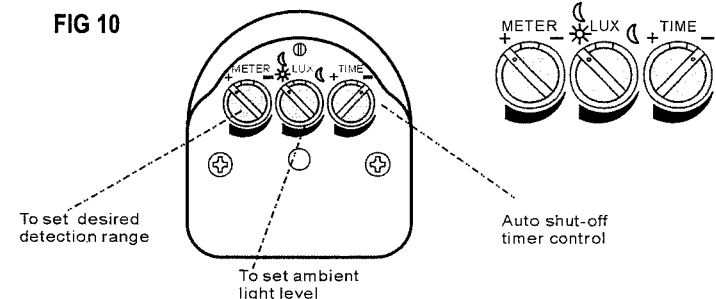


FIG 10



5 OPERATING

The OS-32B motion detector light control can automatically turn the light ON and OFF depending on the level set by LUX and Timer.

The motion sensor is activated as the moving object appears in the detection coverage. The light will turn on, and then turn off automatically when set time is reached.

Should the ambient light level not exceed or equal the LUX setting, the sensor cannot be activated which will result in the light not turning on, even if there is a moving object in the detection coverage.

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.

6 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 no user serviceable parts. For repair service follow our product warranty.

TROUBLESHOOTING GUIDE		
PROBLEM	POSSIBLE CAUSE	RECOMMENDED ACTION
Lights did not turn on (Sensor stopped working)	<div>1. Power not on</div> <div>2. Lamp blown</div> <div>3. Wired incorrectly</div> <div>4. Sensor not detecting your movement</div> <div>5. Voltage Incorrect</div>	<div>1. Turn off power for at least 5 seconds, then turn on again.</div> <div>2. Check the lamp.</div> <div>CAUTION: Switch off all power before changing the lamp.</div> <div>3. Refer to wiring diagram</div> <div>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 2 "Selecting a Location". Check sensor is mounted at recommended height. Turn meter adjustment at bottom of sensor to "+" positive position</div> <div>5. Check that input voltage is not below 10.5V DC.</div>
Lights going on and off quickly (Sensor irregular)	<div>1. Time adjustment set too low</div> <div>2. Sensor picking up reflection</div>	<div>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.</div> <div>2. Make sure lights are not reflecting back into the sensor. Make sure there are no white or reflective surfaces in the detection coverage. Aim sensor and light in different directions.</div> <div>NOTE: The sensor is more sensitive in winter as infrared energy is emitted easier, resulting in the sensor being able to detect movement in a lower temperature.</div>
Lights do not turn off	<div>1. Time adjustment is set too high</div> <div>2. Sensor is detecting your movement</div> <div>3. Sensor is detecting changes in heat or movement.</div>	<div>1. Make sure the TIME control knob on the bottom of the sensor is set to minimum (--).</div> <div>2. Stay completely out of the sensor range to avoid activating sensor.</div> <div>3. 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 2 "Selecting a Location".</div> <div>Sensor is installed incorrectly above lights which is causing sensor to detect heat. Reinstall sensor correctly.</div>
Sensor coming on during daytime	<div>1. Lux adjustment incorrectly set</div>	<div>1. Turn lux adjustment at bottom of sensor to moon setting.</div>
Lights Turn on In Storms	<div>1. Incorrect positioning</div>	<div>1. Rain, snow and windstorms can cause large temperature changes, which may turn on the sensor. False triggering can be minimised by installing the sensor in a protected location or turning down the sensitivity (meter) control.</div>

IMPORTANT !



PRODUCT WARRANTY

This Housewatch product is guaranteed for a period of 2 (two) years from date of purchase, provided the 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.

If the goods are defective, we undertake to repair or replace the goods or any part of them that is defective; or provide again or rectify any services or part of them that are defective; or wholly or partly recompense you if they are defective.

This guarantee is in addition to other rights and remedies available to consumers, all of which are given by us to you if you are a consumer.

Our Goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

If you wish to make a warranty claim, please return this product to the original place of purchase together with your purchase receipt, or contact us using the below details.

NATIONAL DISTRIBUTOR



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