

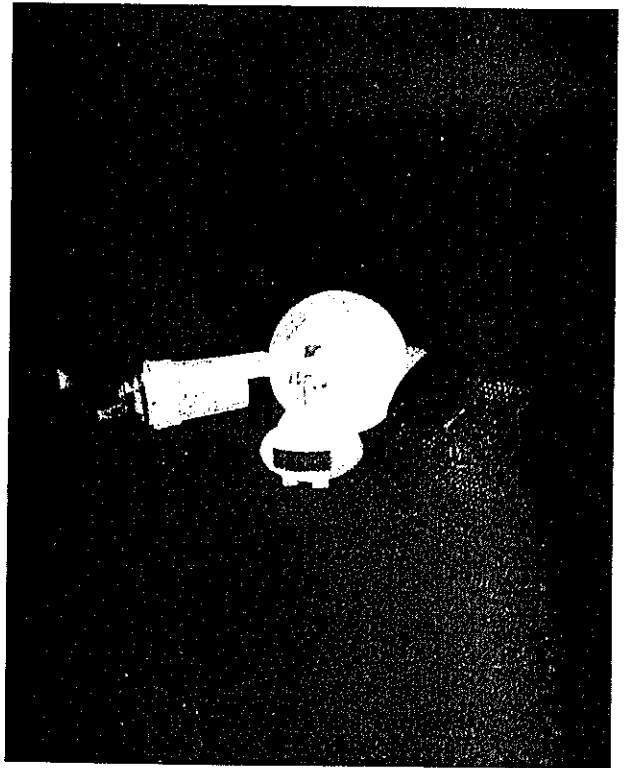
PHILIPS

SECURI-PAR LITE QHF 560



The QHF560 is a lighting fixture with twin floodlights that may be installed indoors or outdoors. The QHF560 controls the lighting of both floodlights to provide convenience, security, and save energy. When motion is sensed, the light control automatically turns on a welcoming lamp for your family and friends as they approach your home. Intruders however are suddenly showered with unexpected light when they come near your home, frightening them away.

The light control also saves energy by activating only at night and only then when needed. It uses a built-in passive infra-red detector that reacts instantly to body heat and switches on the (preset) floodlights. After a pre-set time, the floodlights are switched OFF automatically. A built-in photocell deactivates the Motion Sensor during daylight.



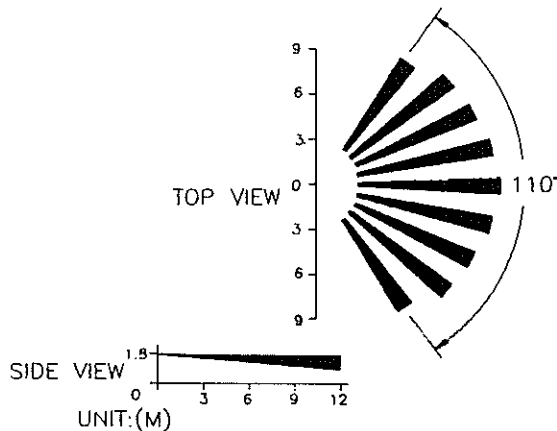
INESCON/PHILIPS

- *READ THE ENTIRE INSTRUCTION MANUAL
- *INSPECT THE CONTENTS OF THIS BOX THOROUGHLY.

INSTALLATION:

CONSULT A LICENCED ELECTRICAL CONTRACTOR FOR INSTALLATION

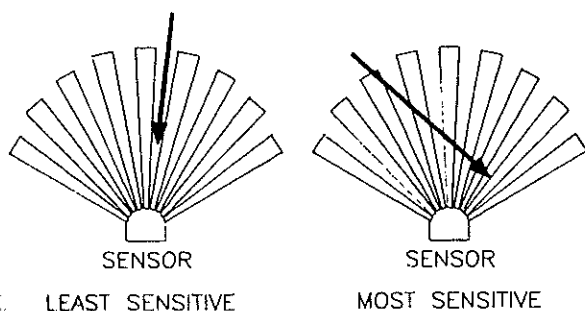
- *Select a location for the QHF560 based on the coverage angles shown in Figure 1. For best results, mount your sensor on a solid surface, 1.8 to 2 meters above the ground. (The higher the unit is mounted on the wall, the longer detection area.) (Figure 1)



COVERAGE ANGLES

FIGURE 1

- *The detector is most sensitive to motion across its detection field and less sensitive to motion directly towards the detector (Figure 2).



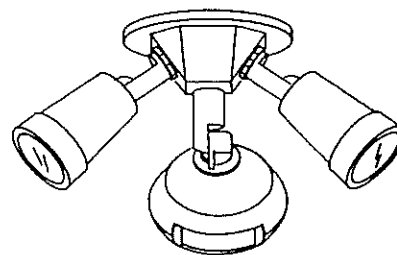
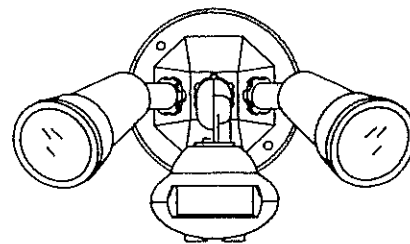
SENSITIVITY TO MOTION

FIGURE 2

Use a regular AC 220-240V / 50Hz power source for this appliance.

Do not use lamps rated higher than 150 watts.

- *Route the power supply cord from a fused or circuit breaker source through wall switch and then to the location of your fixture.
- *The power supply cord requires a minimum cut surface of 1.5 mm².
- *The device is intended for local installation only: A 3mm security contact switch has to be used with the power supply cord (L,N).
- *Figure 3 shows two installation methods, on the wall and on the ceiling.
- *For outdoor installation, a location under eaves is preferable.
- *The lamp holders should be pointed at least 10 degrees below horizontal position.
- *Always install this product in a position with the control knobs of motion sensor pointing downwards.
- *This device should be used with a rain tight or wet location suitable AC outlet.
- *Do not install when it is raining.



TYPICAL INSTALLATIONS
FIGURE 3

AVOID THE SENSOR (LENS) FACING DIRECTLY AT SUCH LOCATIONS AS:

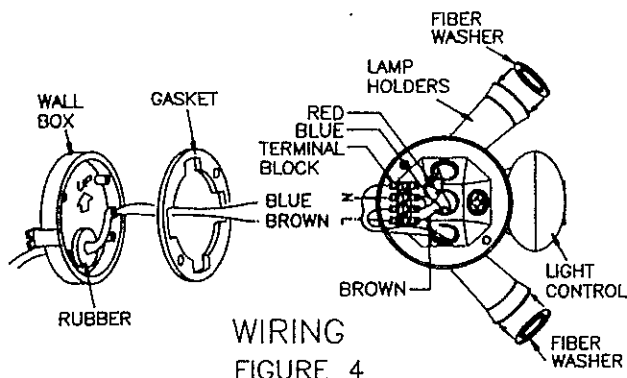
1. Water pools or ponds, trees or places frequented by animals.
2. Where drastic changes in temperature are likely.
3. Vents of air-conditioner, dryer or heater.
4. Direct sunlight.
5. The motion sensor must not touch the lamp holders or lamps as damage or unstable

operation may result. Also do not allow the flood lights to shine directly at the motion sensor,

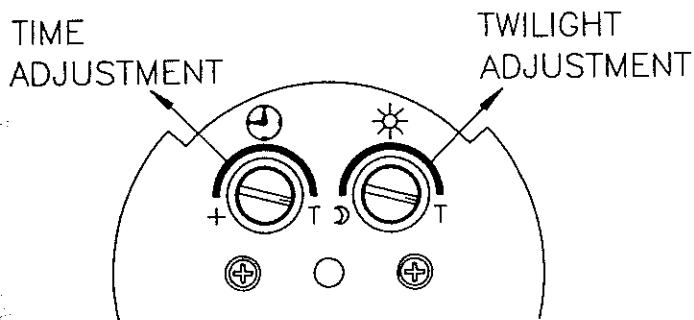
WIRING:

Before proceeding with the installation, **TURN OFF THE POWER TO THE LIGHTING CIRCUIT AT THE CIRCUIT BREAKER OR FUSE BOX** to avoid electrical shock.

1. Run the power wire through the rubber on the wall box and gasket hole.
2. Install a suitable wall box at the location selected for installation.
3. Strip approximately 6-8 mm insulating of the power wire for connection.
4. Connect the **BROWN** wire (Live wire) to the terminal block "L" mark and **BLUE** wire (Neutral wire) to the terminal block "N" mark. (Figure 4)



SETTING UP THE MOTION SENSOR



TEST MODE:

1. Turn the LITE and TIME control knobs completely clockwise to the TEST position. (see FIG5 for the location of the control knobs).
2. Turn the wall switch on (the light will turn on instantly) and wait for Approx. 1 minute to warm

up the unit. After warming up, the light will turn off, and you may do a walk test. If the light turns on, the wiring is done properly.

3. Walk through the detection area. The light will turn ON when motion is detected and turn OFF shortly after motion stops. Wait minimum 5 secs. between test motions.

4. Adjust the motion sensor to cover the desired detection area.

*For smaller range, turn the sensor downwards.

*For larger range, turn the sensor upwards.

TIME ADJUSTMENT:

The TIME adjustment controls how long the light will stay on after motion has been detected.

1. Turn the TIME control knob to mid-position. Note how long it takes to turn OFF after motion stops.
2. Adjust the TIME control counter - clockwise to increase the length of time light /stays on (up to approx. 12 Mins), clockwise to decrease the length of time light /stays on (down to approx. 5 Secs.)

TWILIGHT ADJUSTMENT:

The twilight adjustment determines at what external light level the motion sensor will turn off, when in Auto Mode.

It was set Twilight clockwise to the TEST position, so that it can operate even in daylight.

1. Turn the twilight control knob completely at dusk, counter-clockwise. Turn the twilight adjusted knob slowly clockwise until the light comes on.
2. The Light Control will now be active only from dusk to dawn.

Note: While adjusting the twilight control, you should wave your hand slowly in front of the sensor so that it detects motion.

OPERATION:

By using the ON/OFF wall switch, you can easily select AUTO or MANUAL OVERRIDE MODE.

AUTO MODE:

The sensor detects motion and turns on the light automatically. The built-in photocell turns the sensor off at dawn and on at dusk, according to the light level selected by the twilight adjustment. The wallswitch is turned on.

MANUAL OVERRIDE MODE:

The light will remain on regardless of motion or light level.

1. Switching the ON/OFF wall switch "OFF" and "ON" within 2 seconds sets the Motion Sensor into the MANUAL OVERRIDE MODE.
2. To return the Motion Sensor to the AUTO MODE, turn the wall switch "OFF" for longer than 5 seconds and then back "ON".

TROUBLE SHOOTING GUIDE**LIGHT DOES NOT SWITCH ON :**

1. Make sure that the lamps being used have not blown out.
2. Check that there is power connection to the motion sensor.
3. Check all wiring for connections.

LIGHTS STAY ON CONTINUALLY:

1. If there are severe power surges, the unit may switch to MANUAL OVERRIDE MODE. Turn the wallswitch off for minimum 5 seconds and then on.
2. If you have had the unit on MANUAL OVERRIDE MODE, remember that it takes minimum 5 seconds to turn the sensor to AUTO MODE leave the wallswitch OFF for a little while.
3. Check all wiring for connections.

MOTION SENSOR DETECTS MOTION AND STAYS ON:

1. Reduce the time setting.
2. Move the floodlamps away from the motion sensor head.
3. Aim the motion sensor head slightly downwards.

TOO SMALL OR TOO LARGE DETECTION RANGE:

1. Your motion sensor is most sensitive to motion across its field of view, not directly towards or away from it. Try to mount the sensor head diagonally across the area to be protected.
2. The motion sensor works best on flat terrain. Point the head downwards for valleys, and slightly upwards for hills.
3. If there is too much range, point the motion sensor head downwards.
4. If a longer distance is required, there are two alternatives:
 - a. Mount the unit higher on the wall.
 - b. Adjust the motion sensor as horizontally, as possible.

SPECIFICATIONS:

Detection Method:	Passive infrared.
Voltage Requirement:	AC 220 - 240 V / 50 HZ.
Lighting Load:	Max. 120W x 2 par 38 PAR flood light lamps.
Sensor power Consumption:	0.9 W Max.
Protection Class:	Class II
Waterproof:	IP 42
Operating Temperature:	-20°C to $\pm$ 50°C
Mounting Height:	1.8M wall mount.
Detection Range:	12M x 110° at 20°C.
Sensor Adjusting Angle:	Horizontal 330° , Vertical 120°
Auto stop Time:	From 5 $\pm$ 3 secs. to 12 $\pm$ 3 minutes.
Lux Level:	From 0 LUX to 1000 LUX.
Switch Function:	Automatic ON / OFF, Manual override, OFF.
Manual Override:	Within 2 secs. to complete flipping OFF / ON switching.
Warm-up Time:	Approx. 1 minute when time control is set to test position.
Mounted Weight:	1.2 kg with complete unit (including 2 floodlight lamps)
Dimensions:	140H x 455W x 205mm (including 2 floodlight lamps)

