

INSTALLATION AND OPERATING INSTRUCTIONS FOR CEILING PIR DETECTOR MODEL:PIR360WH

Important

Read all instructions carefully before proceeding with installation and retain for future reference. This product requires connection to a 230V AC – 50Hz power source. This product is for internal use only. During illumination, the attached lighting load can become very hot; allow adequate cooling time before handling. **This product should be installed in accordance with current IEE Regulations and any other relevant regulations. If in any doubt, consult a qualified electrician.**

Do not make any modifications to the unit. There are no user serviceable parts inside.

Not suitable for use with dimmer switches.

Positioning the unit

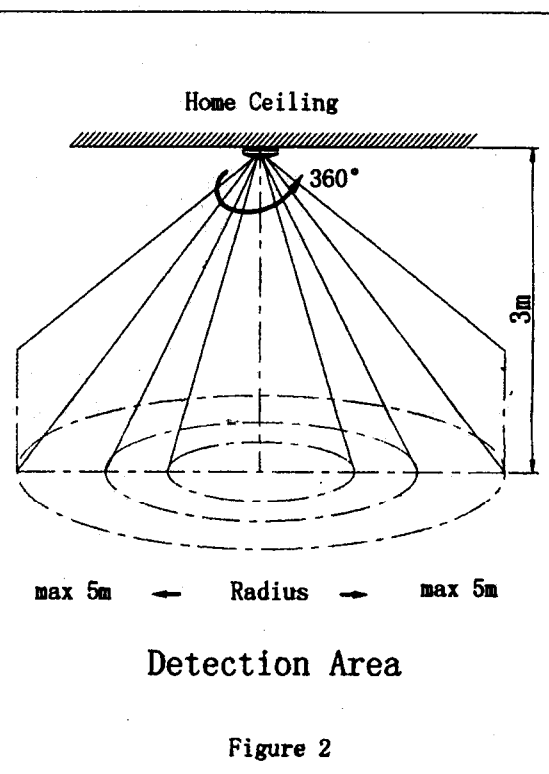
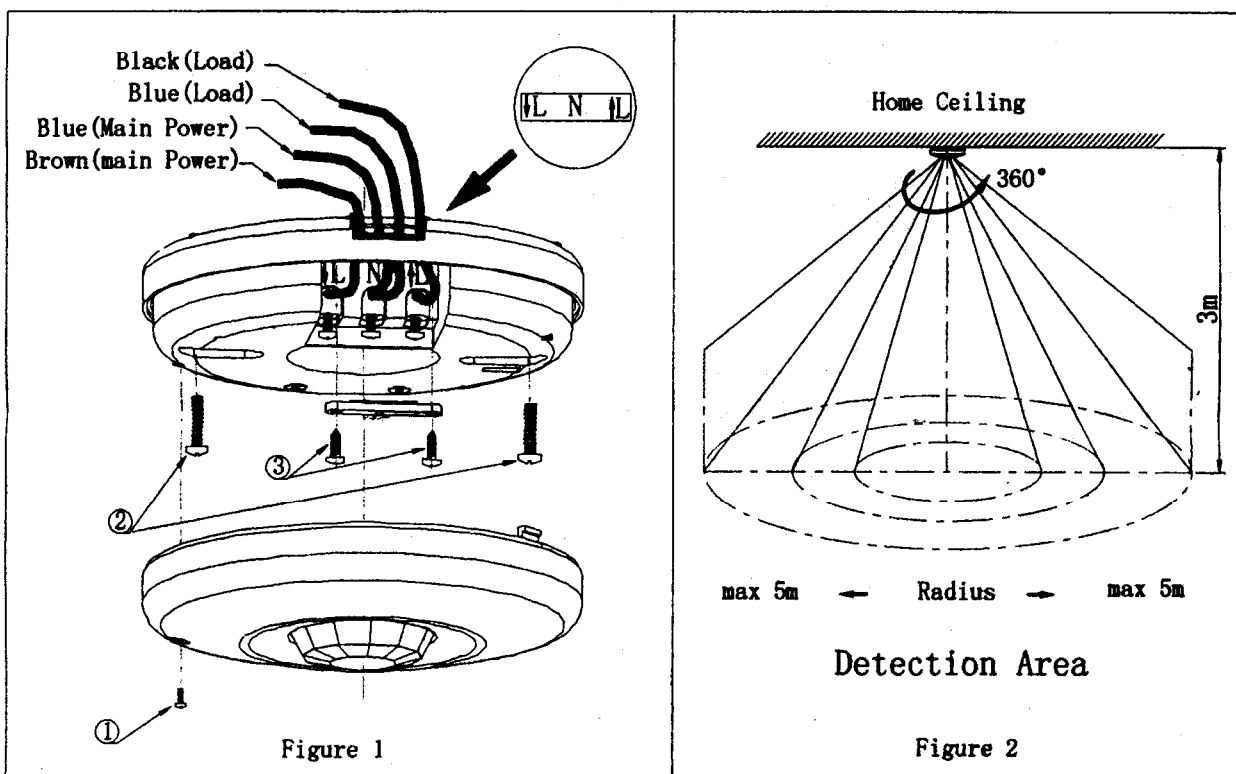
When selecting the mounting position, take into account the following points:

1. The sensor is designed for optimum performance when mounted on the ceiling (see Figure 2)
2. Avoid pointing at or positioning close to heat sources such as flu's or heat extraction units, which may cause false triggering.
3. Avoid pointing at bright light, as unit will not function when Lux control is set too dark.
4. Avoid mounting at strong electromagnetic disturbance
5. Avoid mounting near reflective surfaces such as pools of water, white tiles or white painted surfaces.

Fitting the unit

Before commencing any electrical work, ensure that mains supply cables are isolated by switching off and removing the relevant fuse.

1. ~~Detach the plastic cover by removing cover screw~~
2. Unscrew and remove the cord anchorage plate
3. Connect the mains wires and loading wires to the terminal block and re-screw the cord anchorage plate
4. Fit the back plate on the fitting surface and refit plastic cover



Operation mode

When the power is on, the PIR detector will enter into the warm up period (approximately 40 seconds), followed by the auto mode (the light/s will flash 3 times to indicate auto mode). During auto mode, the walk test should be carried out.

Walk testing

Before commencing the walk test, the Lux dial should be set to the day position and time dial to the minimum position. The PIR will be triggered by movement of the human body. Walk slowly during walk testing in order to gain the desired detection area. When the walk test is completed, the Lux and time can be adjusted to the required levels.

The PIR detector will change from auto mode to manual override by switching the mains switch OFF/ON twice within 3 seconds. (The lighting load will flash 3 times to indicate override mode).

Once the PIR detector has been installed, the manual override may be activated by switching the mains OFF/ON twice within 3 seconds. (The lighting load will flash 3 times to indicate override mode).

The manual override mode will keep the lighting load on for approximately 8 hours. If there is no further override operations, the PIR detector will return to auto mode automatically after approximately 8 hours has elapsed. (The lighting load will flash 3 times to indicate the return to auto mode).

Mode changing

Turn off the override switch for over 3 seconds and then turn on again, the PIR detector will begin a new process for mode changing.

Adjusting the Lux control

The Lux control has a built-in photocell which detects daylight and darkness. Rotate the Lux control to set to the desired level of daylight. Allow approximately 5 seconds for the photocell to stabilise at the desired level.

Adjusting the time on control

The length of time that the switch remains on can be adjusted by from approximately (10±5) seconds to approximately (6±1) minutes. This is adjusted by rotating the time gauge. Once the load has been triggered by the PIR detector, any subsequent movement will start the timed period from the beginning.

Important

Never attempt to remove the lens as this will damage the sensor and render all guarantees invalid.

Technical details

Voltage: 230 VAC 50 Hz

Wattage: Max. 1000W incandescent bulb (Resistor-Load)

Detection range: 360° and Max. 5 meters radius (see Figure 2)

Duration time: From (10±5) seconds to (6±1) minutes adjustable

Lux control level: Daylight and night adjustable

Mounting height: 3 meters

Protection: Class II