

pirsensor

energysense energystyle energyoutdoor

ceiling mount pirsensor fitting & operating instructions

Product: 374A-1, 374A-2 **Three wire.**

The **ceiling mount pirsensor** is part of the Elkay family of switches, timers and detectors which save energy and increase convenience in and around your home, garden or premises.

RATING AT 240V AC

| | |
|---------------------|-----------------|
| Incandescent | 16A |
| Fluorescent | 16A |
| Compact Fluorescent | 16A |
| Resistive | 16A |
| Time Delay | 2mins - 2hours. |



USAGE

The PIR sensor has been designed to replace a single gang light switch, to control lighting, heating and ventilation. The unit is switched on by the detection of moving body heat within a specified range. When body heat is no longer detected, the unit will switch off after the adjustable time period has elapsed. If moving body heat is detected again during the timing period, the timing sequence will restart. The unit has a lux level adjustment, which measures the ambient light levels and prevents lighting being switched on when there is sufficient light in the room.

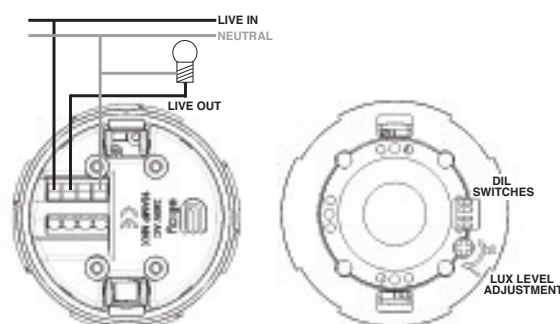


Diagram 1

POSITIONING

Use the detection range to determine a suitable location for the sensor. When locating the position of the unit avoid subjecting the sensor to direct sunlight. Ensure that the sensor is not adjacent to the load. Do not site the unit on a vibrating surface, or near a forced air heating or ventilation. (see diagram 2)

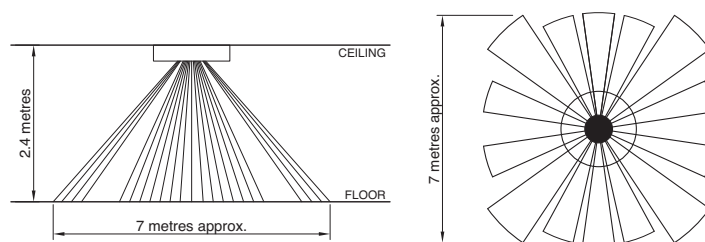


Diagram 2

MOUNTING AND INSTALLATION

Important Please note that it is essential that the Live In wire and switch Live Out is identified prior to commencing installation. Turn off mains supply for installation.

Step 1 Cut a hole measuring 64mm in diameter in the chosen area for the sensor. Please see positioning.

Step 2 Place the Live In wire into the left hand position of the connector, the switched Live Out wire into the second from left position of the connector and neutral into right hand position of connector. (see diagram 1)

Step 3 Fold the two arms up into the vertical position and insert unit into hole. Release unit ensuring arms are securely in place.

Step 4 To set time, as per timing table, remove fascia ring by turning anti-clockwise one quarter turn to access switches one through four. Depending on required time available from 2 minutes to 2 hours. E.g 10 minutes = switch one – off, switch two – on, switch three – off, switch four – off. (see diagram 3)



Elkay Electrical, Coleshill, Birmingham, England.

Tel: +44 (0) 1675 468222 www.elkay.co.uk

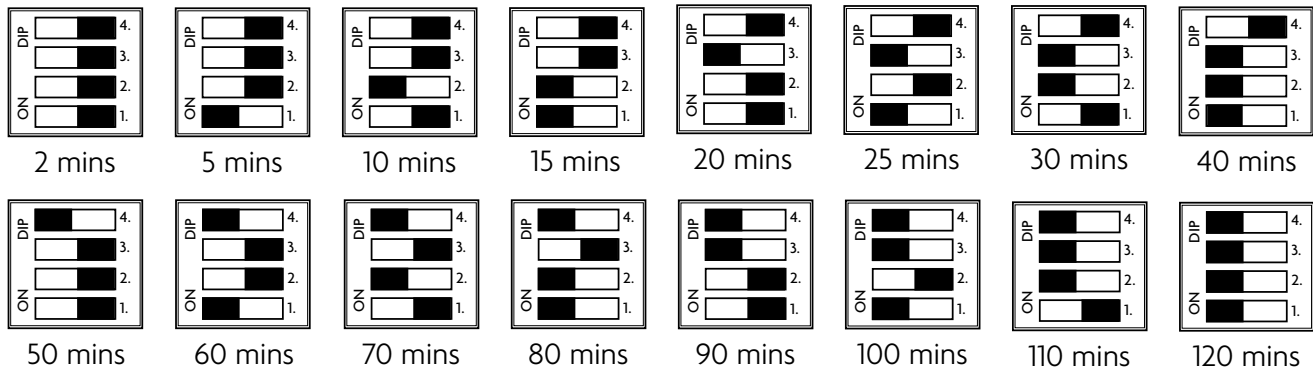


Diagram 3

MOUNTING AND INSTALLATION CONTINUED

Step 5 To adjust lux level (i.e the ambient light level at which you would like your lights to be activated via the PIR sensor) please refer to the lux level rotary adjuster diagram. Rotate the lux level adjustment clockwise to decrease the level of light required to turn the lights on and anticlockwise to increase the level of light required to turn the lights on. See diagram 1 for position of lux level adjustment. Replace fascia ring by turning clockwise one quarter turn.

INSTALLATION NOTES

N.B After installation the PIR will require approximately 5 minutes to initialise.

OPERATION

1. In standard operation, the PIR will now sense body heat when passing through the detection zone. Each time the PIR is triggered it will reset the timer back to the start of the timing period. The unit will then wait 20 seconds approximately before allowing the PIR unit to sense and re-trigger the timing period again.
2. If no one is present in the room or the detection zone is not passed through, during its set time period the timer will time out, turning off the lights or appliance.
3. The PIR unit will only trigger the lights or appliance if the ambient light level is below that set on the lux level adjustment.

IMPORTANT NOTICE

All wiring should be carried out by a competent person or a qualified Electrician in accordance with the current IEE Wiring Regulations. If unit is faulty return to place of purchase.

TECHNICAL HELPLINE

For further help, or information on this and the other products in the Elkay range visit www.elkay.co.uk or call 01675 468222.



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Tel: +44 (0) 1675 468222 www.elkay.co.uk