

Instruction Guide

STANDARD PIR TIMER

370B-1

3 wire

The **Standard PIR Timer** (3 wire) 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 50Hz

- Time Delay: 2 min - 1 hour
- All general load types 10A - Including lighting loads that are LED, Compact Fluorescent, Incandescent and Resistive
- This switch can also switch contactors provided a capacitor is fitted across the coil

Fitting and Operating Instructions

1. Prior to fitting ensure mains power is switched OFF and Live In, Switch Live and neutral wires are identified. Also where applicable remove metal back box lugs that are not being used.
2. For installation purposes, set the dip switches for **test mode** as shown in Timing Diagram and gently rotate the lux pot anti-clockwise towards the plus (+).
3. Securely fit Live In, Live Out and Neutral into the terminals marked Lin, Lout & N.
4. Turn mains power ON.
5. To test the PIR timer leave the area and the load will switch OFF in approximately 60 seconds as long as no movement or external sources are detected.
6. To test the timer re-enter the area and the PIR Timer will detect movement and trigger the load ON.
7. Select time delay required using Timing Diagram and the lux level pot to desired ambient light level required.
8. Ensure the timer is secured to the back box securely. Do not press the PIR dome for any reason.
9. A capacitor (PFCC-1) may be required when switching low wattage or some LED lighting.



Diagram 1 – Time settings

Please note: The black bar denotes the position of the dip switch.



Diagram 2 – Wiring

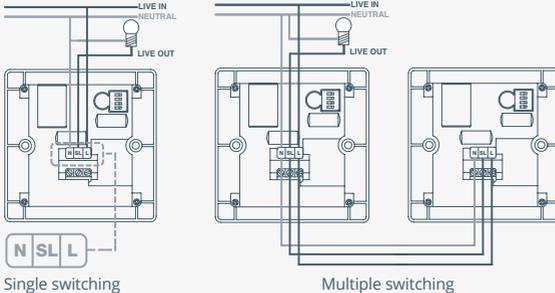
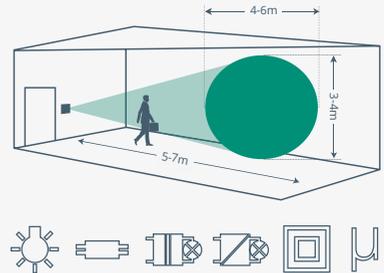


Diagram 3 – Detection 360°



Troubleshooting

Problem	Resolution
Lights will not switch OFF	<ul style="list-style-type: none"> • Check time settings (Black bar denotes position of dip switches). • Check Connections. • PIR is too close to lights – Re-position away from lighting, forced air ventilation or heating sources. • Ensure PIR is not looking directly at heat source or is in direct sunlight. • PIR is re-triggered – Check area is left unoccupied for longer than time setting using an accurate time piece. • Capacitor must be fitted if switching low wattage loads, LEDs or fitted at coil if switching contactors.
Lights will not switch ON	<ul style="list-style-type: none"> • Check Terminal connections. • Lux set too low – Turn up lux level towards the plus and wait 30 seconds for sensor to adjust. • In the unlikely event that the above does not work then press the reset button at the back. (In circuits with multiple PIRs ensure that all PIRs have reset buttons pressed).
Light switches OFF then immediately comes back ON	<ul style="list-style-type: none"> • Check terminal connections. • PIR may be detecting normally find potential source that is triggering PIR. Best method is to cover detector with thick material to eliminate potential trigger source. • PIR is seeing infra-red heat from lighting load. • Capacitor must be fitted if switching low wattage loads, LEDs or fitted at coil if switching contactors.

Important Notice

All wiring should be carried out by a competent person or a qualified electrician and should be fitted to current IEE wiring regulations BS 7671. The circuit should be isolated before carrying out any work. Failure to adhere to the instructions will invalidate the warranty.

Technical Helpline

For further help, or information on this and the other products in the Elkay range go to www.elkay.co.uk or call +44 (0)28 9061 6505. These instructions are available in other languages. Please refer to our website www.elkay.co.uk Instrukcje są również dostępne w innych językach. Prosimy o zapoznanie się z naszą stroną internetową www.elkay.co.uk lub www.elkaypolska.pl

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