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HARDWARE LTD

Instruction Guide

STANDARD PIR TIMER
376B-1
2 wire

The **Standard PIR Timer** (2 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
• 10A All lighting load types only - Including lighting loads that are LED, Compact Fluorescent, Incandescent and Resistive
• This switch cannot be used on contactors

Fitting and Operating Instructions
1. Prior to fitting ensure mains power is switched OFF and Live In and Switch Live 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 and Live Out into the terminals marked Lin and Lout.
4. Press Reset Button on each PIR in the circuit.

5. Turn mains power ON. Wait for 1 minute for PIR to initiate itself.
6. 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.
7. To test the timer re-enter the area and the PIR Timer will detect movement and trigger the load ON.
8. Reset the desired time delay with reference to timing diagram and the lux level pot to desired ambient light level required.
9. Ensure the timer is secured to the back box securely. **Note:** Ensure no cables rest on Reset button when switch is attached to wall. Do not press the PIR dome for any reason.
10. A capacitor (PFCC-1) will be required when switching low wattage or some LED lighting.

Diagram 1 – Time settings

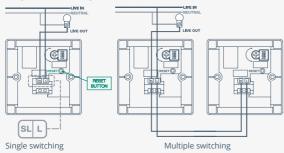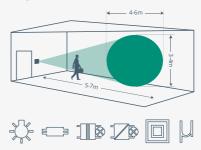**Please note:** The black bar denotes the position of the dip switch.

10-15 sec **TEST MODE**	2 mins	3 mins	4 mins	5 mins	7 mins	10 mins	15 mins
20 mins	25 mins	30 mins	35 mins	40 mins	45 mins	50 mins	60 mins

Note
Ensure no cables rest on Reset Button when switch is attached to wall.

Diagram 2 – Wiring

LIVE IN
NEUTRAL
LIVE OUT
RESET
RESET BUTTON
SL L

Single switching

LIVE IN
NEUTRAL
LIVE OUT
RESET
RESET

Multiple switching

Diagram 3 – Detection 360º

4-6m
3-4m
5-7m

Troubleshooting

Problem	Resolution
Lights will not switch OFF	• 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 or LED lighting.
Lights will not switch ON	• 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	• 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 or LED lighting.

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