376B-1 PIR Timer – Two wire

The 376B-1 PIR Timer is part of the Elkay family of switches, timers and detectors which save energy and increase convenience in and around your home or business premises.



Product Description

The Elkay 376B-1 PIR Timer is an energy saving device to switch lighting loads when there is presence detected. It is a 10A retrofit time switch designed to sense moving Infra-Red or moving body heat and activate a lighting load for the time delay period selected providing there is no further detection.
A 24/7 uninterrupted mains supply is required. It has a 10 second timing Test Mode option to speed up installation times and an adjustable lux control pot to pre-set the internal light sensor in the switch to keep the load switched off when sufficient ambient light is available saving energy.
Additional timing selection is available for operational use between 2 minutes to 1 hour.
It fits easily into a British Standard back box of 25mm depth and can be interlinked in any type of wiring circuit. This PIR sensor can be linked in parallel for multiple switching and is the perfect retrofit product to replace any type of light switch especially where the end user wants touch free automatic switching.
The product requires **no neutral.**

A Capacitor may be needed across the Lout & N of the lighting load when switching some low wattage loads such as certain compact fluorescent and LEDs. This 2-wire timer must not be used with contactors instead use any Elkay 3 wire (with neutral) timer with a capacitor (PFCC-1). More details available from our website.

Typical Product usage

The 376B-1 PIR timer is commonly used to control lighting in communal area corridors, stairwells, kitchens, en-suites, cupboard or storage rooms and temporary office area. Ideal if you doe not ant anyone to touch the switches and so perfect for the post COVID era. Applications for suitable use include lighting such as LED lighting, fluorescent and compact fluorescent lighting as well as resistive and incandescent lighting.
In general, its primary and advised application is to control lighting circuits*. This product is commonly used in communal residential areas and is perfect for replacing Push or Touch switches where automatic touch free control is required. The product is a perfect retrofit option and helps to prevent the spread of COVID and other infectious diseases.

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Key features

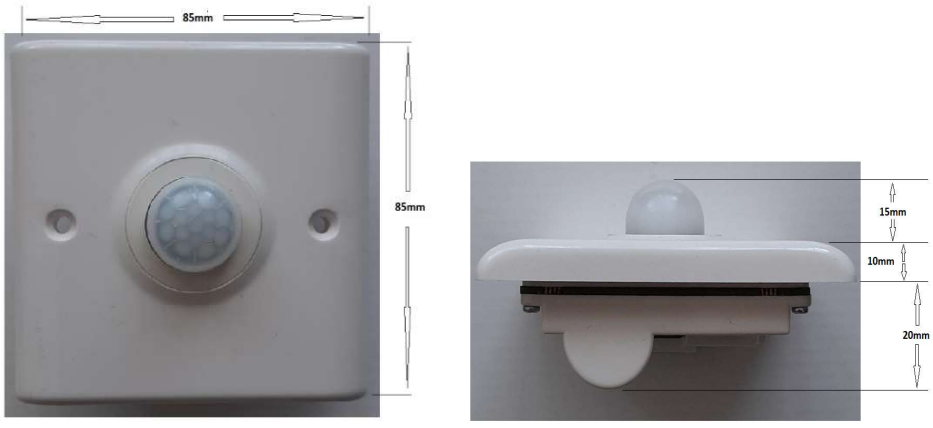
- 10A All lighting load type (May requires Capacitor PFCC-1 for some types of low wattage/low voltage loads)
- 2-wire (Live and Switch live)
- No Neutral required
- Re-set timing sequence at any time during countdown
- Can be interlinked with other 2 wire 376B-1 for 2-way switching.
- Can be retrofitted into any type of wiring circuit.
- Fits into 25mm depth back boxes
- 360˚ detection utilising an elliptical beam.
- 5 – 7 m detection range
- 16 Timer settings from 2 minutes to 1 hours (including 10-15sec Test mode)
- 24/7 mains supply required when operational.

Technical Specification

- **Voltage:** 240V a.c.
- **Frequency:** 50/60Hz
- **Timing:** 2 minutes to 1 hours
- **Detection Range:** 5-7m range with a 360° elliptical beam
- **Connections:** Live | Switch Live |
- **Loading**: Up to 10A all lighting load types**
- **Marking:** CE & UKCA
- **Terminal Capacity**: 2.5mm²
- **Standards:** BS EN 60669, 60669-1, 60669-2-1, 60669-2-3.
- **Power Consumption**: 1W
- **Material:** Flame Retardant ABS / UV Resistant
- **Compliances:** RoHS compliant, WEEE Policy, ISO9001, ISO14001.
- **Total Product Weight (each): 102g**
- **Total Plastic Weight (each): 36.5g**

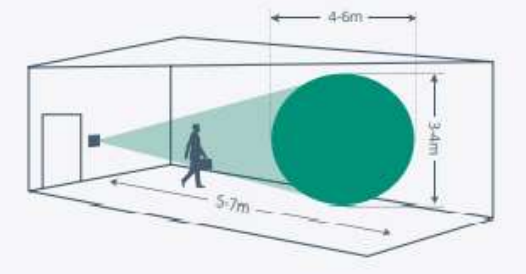
*When using PIRs, it is advisable to ensure that the PIR sensor is in a position where it will not be affected by heat source that could cause false triggering or the load to stay on and not switch off due to detection.
**All lighting load type switching means that all load types such as LED, Fluorescent, Compact fluorescent, Incandescent and Resistive can be switched at 10Amps (2400W) without the need to derate.

Dimensions -

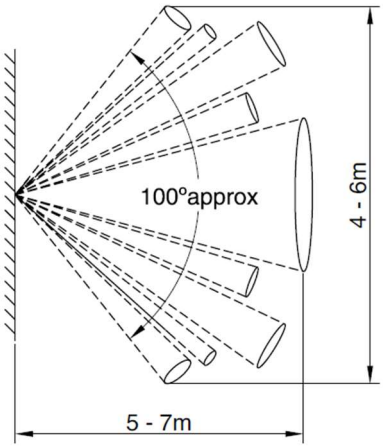


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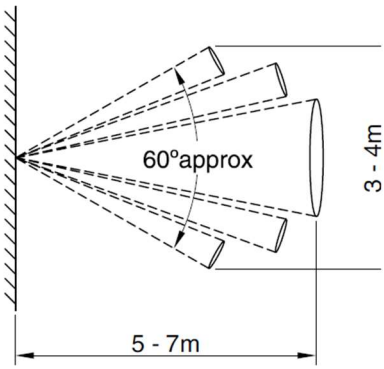
Detection view 360° - Detects infra-red body heat passing or approaching the sensor.



Plan View

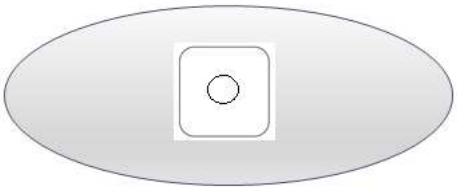


Side View



The elliptical beam gives 360° detection with a Plan view arc of 100° and Side view arc of 60° and detects infra-red body heat passing or approaching the sensor.

Front View



Amendments Record

Action	Date
Draft Issue	14/06/2021

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