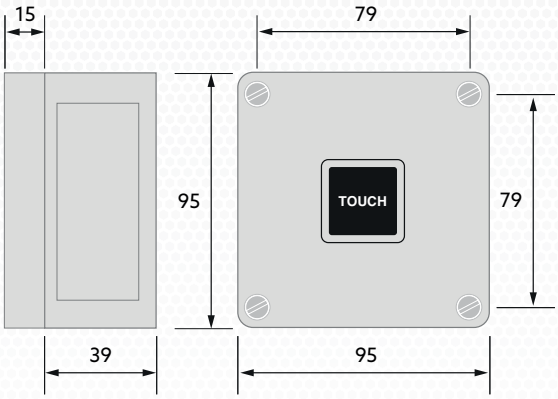
PRE9290

Instructions - **page 1** of 2

IP66 Run timer

Cleverly simple
control of energy.



SPECIFICATION

Load	16 Amp resistive load. 10 Amp incandescent lighting. 6 Amp fluorescent lighting. 3 Amp compact fluorescent lighting. 3 Amp low energy lighting. 3 Amp low voltage lighting (switch primary of transformer) Fluorescent lighting (max 6 fittings recommended) 3 Amp fans and ventilation equipment Switch SON lighting loads via a contactor
Supply Voltage	220-240 Volts AC 50 Hz
Timing Period	Adjustable 1 second to 2 hours in ranges
Terminal Capacity	4.0mm2
IP Rating	IP66
Material	Polystyrene
Type	Class 2
Temperature	-10˚C to 35˚C
Conformity	EMC-89/336/EEC

OPERATION

The PRE9290 is designed to provide timed control of lighting, heating or ventilation loads. Using touch (light press required) activation the user can switch on a load for a preset time period and have the load turn off automatically after the time period has elapsed.

Multiple timing ranges come as standard to allow the time out period to be set accurately. Time setting is achieved using switches and a thumbwheel at the rear of the unit.

Several modes of operation are selectable using switches:

- **On/off**: triggering the timer will turn on the load and start the timing. Triggering the timer again during timing will immediately turn off the load and stop the timing.
- **Resetting**: triggering the timer will turn on the load and start the timing. Triggering the timer again during timing will re-start the timing period from scratch. When using an external trigger In this mode, the timer will not start until the trigger is removed making it ideal for pump or fan overrun applications.
- **Non-resetting**: triggering the timer will turn on the load and start the timing. Triggering the timer again during timing will have no affect. Optional neon indicators provide permanent illumination or illumination during the timing period.

Due to our policy of continuous improvement, we reserve the right to change specifications without notice.
All information was correct at time of when this product file was produced - April 2020

Prefect Controls Limited, Unit 2, Church Field Business Park, Church Field Road, Sudbury CO10 2YF
01787 320604 | **mail@prefectcontrols.com** | **prefectcontrols.com**

PRE9290

Instructions - **page 2** of 2

IP66 Run timer

Cleverly simple
control of energy.

WIRING

Wire the PRE9290 as in diagram 1. Connection to the TRIG terminal is optional.

Applying a live to the trigger terminal will start the timer running. A momentary switch can be used, for example, in corridor lighting applications. A permanent input can be used, for example, in pump overrun applications.

To switch from more than one position simply wire two or more units in parallel to achieve two way and intermediate switching.

For lighting applications that call for the replacement of a three wire switching system follow diagram 2. When installing touch switches do not fix to a vibrating or uneven surface.

Ensure that all cable entry to the enclosure is via suitable cable glands and seal with silicone sealant where appropriate. If it is necessary to screw through the rear of the enclosure, ensure that any holes are covered with the caps provided and sealed with silicone sealant where appropriate.

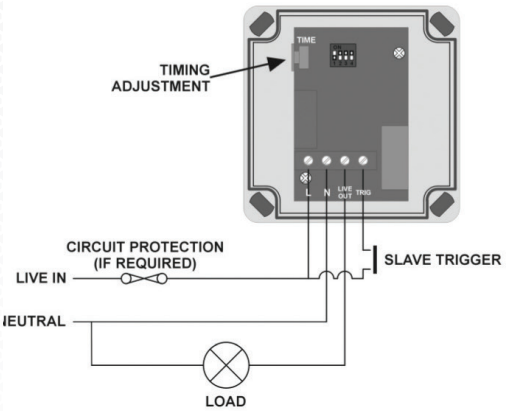


Diagram 1 Standard Wiring

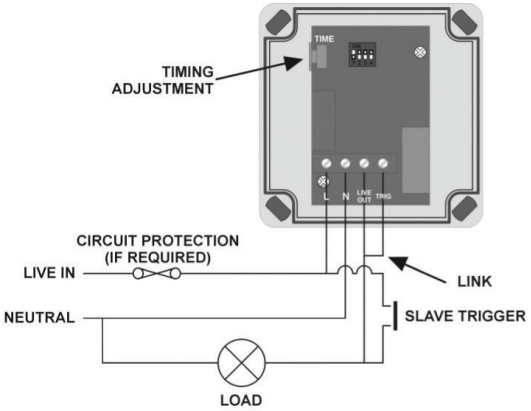


Diagram 2 Wiring for three wire switching circuits

INSTALLATION INSTRUCTIONS

Warning. This device works at mains potential. Be sure to take care when working with electricity.

1. Make sure the load is connected and in working order.
2. Isolate the mains supply to the circuit at the main consumer unit.
3. Connect the controller via the terminal block. Live supply to the L terminal, Neutral to the N terminal and the load to the LIVE OUT terminal. Where required connect the external trigger to the TRIG terminal.

Set the function according to the diagram

1 sec
5 mins

5 mins
15 mins

15 mins
1 hour

1 hour
2 hours

on/off
mode

resetting
mode

non-resetting
mode

Screw the unit to the wall and switch the mains supply back on at the distribution board.

4. Set the timing range according to the diagram above. Set the thumb wheel to the time setting (anticlockwise is minimum, clockwise is maximum).

Due to our policy of continuous improvement, we reserve the right to change specifications without notice.
All information was correct at time of when this product file was produced - April 2020

Prefect Controls Limited, Unit 2, Church Field Business Park, Church Field Road, Sudbury CO10 2YF
01787 320604 | **mail@prefectcontrols.com** | **prefectcontrols.com**