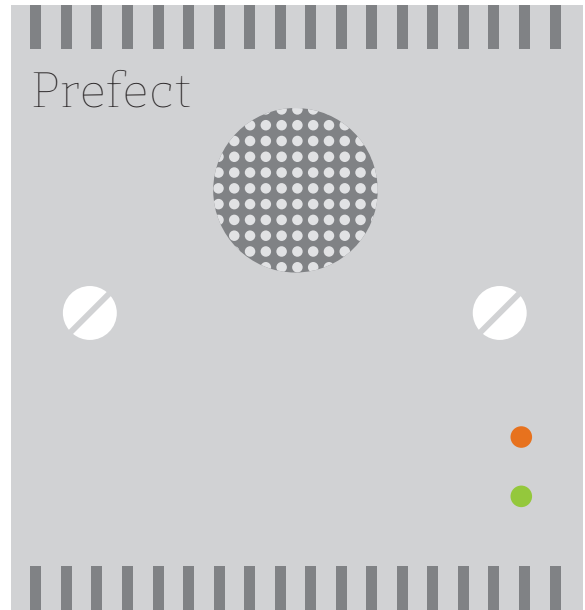


PRE5100 PIR Thermostat



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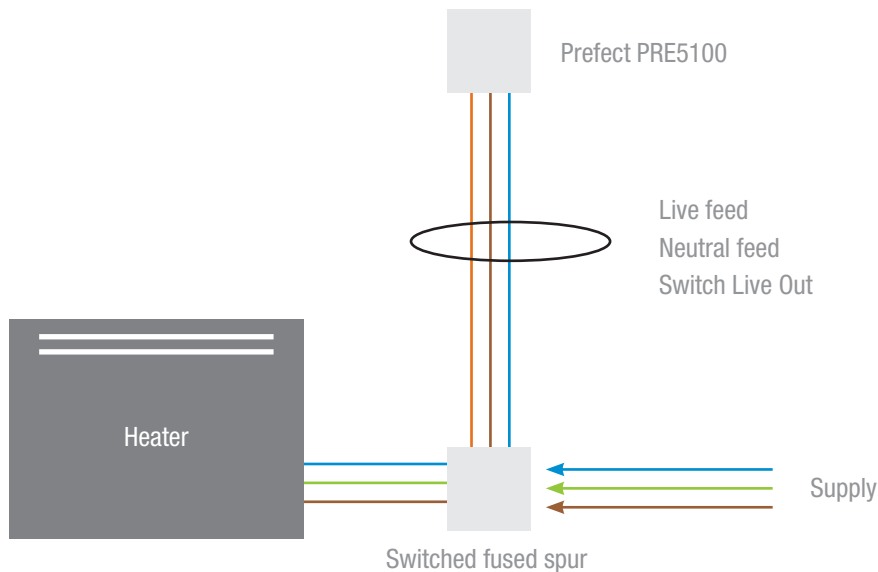
Specification:

SIZE: Standard 1 gang. Requires minimum 35mm back box 45mm recommended if practical)
TEMPERATURE RANGE: Setback temperature adjustable from 5°C to 20°C Comfort temperature adjustable from 15°C to 30°C
TIMING RANGE: Comfort period adjustable from 30sec to 4 hours
ADJUSTMENT METHOD: By three graduated potentiometers on rear of unit
ELECTRICAL SPEC: 220-240VAC 50 Hz
LOAD: 16A resistive
INDICATORS: Green LED- Heating, Red LED- Boost Heating

CONFORMANCE: EMC- 89/336/EEC, LVD - 73/23/EEC
 CE approved
POSITIONING: Ideally chest height. Can be positioned higher or lower, however temperature setting must be biased accordingly.

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PRE5100 PIR Sensor Thermostat schematic wiring diagram



Unit description:

The Prefect PRE5100 PIR thermostat will maintain a room at an internally adjustable setback heat level. When the PIR senses movement the unit boosts the room temperature to an internally adjustable comfort heat level for a time which is also internally adjustable. Once this time period has expired the unit switches back to maintaining the setback heat level.

Installation Instructions:

1. Isolate the circuit supplying the heating points which are to be connected to the PRE5100. This should be undertaken at the distribution board.
2. The PRE5100 should ideally be mounted at chest height, and in the optimum position for sensing occupancy in the room. It should be in a position where it's operation will not be effected by a local heat sources such as lighting or the heater itself, or by limited airflow or cold drafts for example.
3. Carry out any adjustments to the heating circuits to allow for the correct operation of the system. Connections to the PRE5100 are as follows:
 - Terminals 'L' & 'N' - Connect a 240V 24hour supply.
 - Terminal 'LIVE OUT' - connect to the heater or contactor coil.
 - Any CPC or earthing conductor should be connected ONLY to the mounting box.
4. We recommend this product is installed by a competent person to IEE regulations in force at the time.

Setting & Commissioning Information:

THIS UNIT SHOULD NOT BE ADJUSTED OR COMMISSIONED WHILST ENERGISED.

The following are guidance notes for the commissioning of the unit.

1. Isolate all circuits to which the unit is connected and then adjust the setback temperature using the 'SET-BACK' dial:
 - Dial fully anti-clockwise = 5°C
 - Dial in the middle = 12°C
 - Dial fully clockwise = 19°C.
2. Now set the comfort temperature using the 'BOOST' dial:
 - Dial fully anti-clockwise = 16°C
 - Dial in the middle = 20.5°C
 - Dial fully clockwise = 25°C

3. Now set the time the unit will maintain the heat level for once the PIR has been activated:
 - Dial fully anti-clockwise = <1 minute
 - Dial in the middle = 2 hours
 - Dial fully clockwise = 4 hours

N.B. Due to the variances in room sizes, heater efficiency, airflow, mounting position and drafts etc., the temperatures on the dials should be used for guidance purposes only. In some instances it will be necessary to set the unit to different temperatures to achieve the required temperatures, particularly if not mounted at chest height.

Back view of PRE5100

