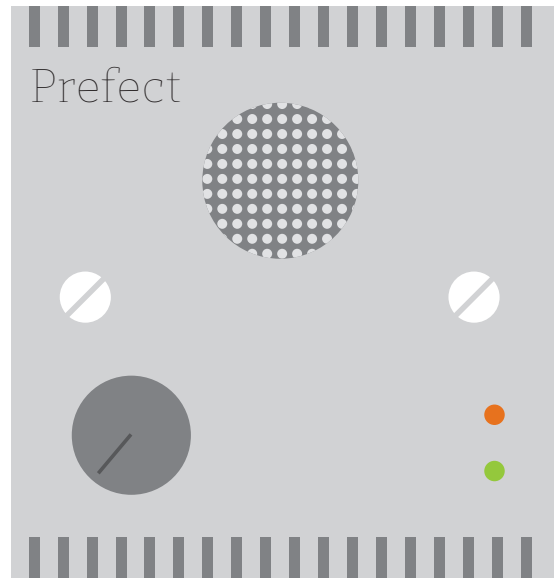


PRE5200 PIR Thermostat



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Specification:

SIZE: Standard 1 gang. Requires minimum 35mm back box (45mm recommended if practical)

TEMPERATURE: Setback temperature adjustable range: from 5°C to 19°C Comfort temperature adjustable from 16°C to 30°C

TIMING RANGE: Comfort period adjustable from 1 to 120 minutes

USER COMFORT: By Min-Max knob on adjustment: front of unit

ELECTRICAL SPEC: 220-230VAC 50 Hz

LOAD: 16A resistive

INDICATORS: Green LED- Heating, Red LED- Boost Heating

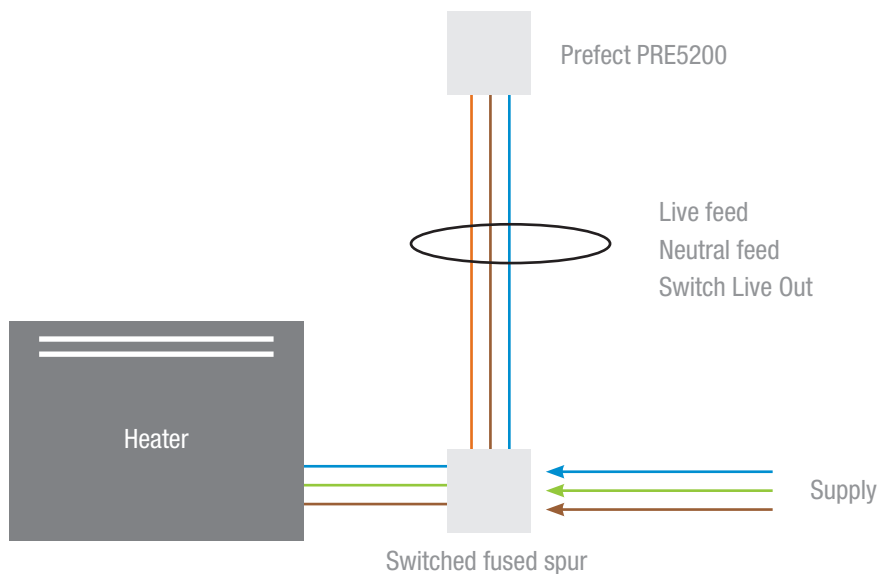
CONFORMANCE: EMC- 89/336/EEC. LVD - 73/23/EEC

CE approved

POSITIONING: Ideally chest height. Can be positioned higher for greater PIR spread however temperature setting must be biased accordingly.

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PRE5200 PIR Sensor Thermostat schematic wiring diagram



Unit description:

The Prefect PRE5200 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 a user

adjustable comfort heat level as set on the front of the unit, for a time which is internally set. 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 PRE5200. This should be undertaken at the distribution board.
2. The PRE5200 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 PRE5200 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 'SETBACK' dial:
 - Dial fully anti-clockwise = 5°C
 - Dial in the middle = 12°C
 - Dial fully clockwise = 20°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 = 30°C
3. Now set the time the unit will maintain the comfort heat level for once the PIR has been activated:
 - Dial fully anti-clockwise = <1 minute
 - Dial in the middle = 60 minutes
 - Dial fully clockwise = 120 minutes.
4. Mount the unit in its' box and energise the supply circuit and allow 30 seconds for the unit to stabilise. When the green LED is lit, this indicates the unit is maintaining the setback heat level. When the PIR senses movement the red LED will light to indicate the unit has switched to maintaining the boost heat level.

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 PRE5200

