

PRE5000 Touch Thermostat



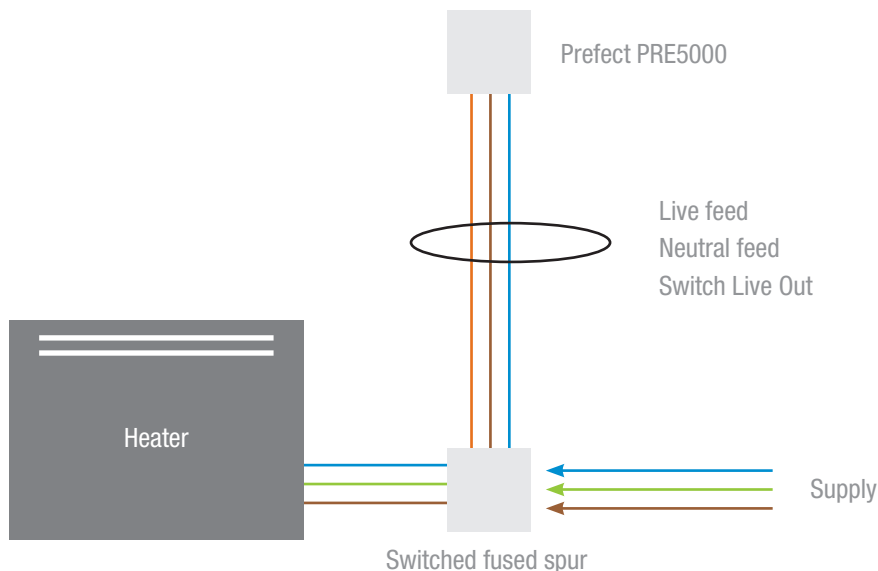
Specification:

- SIZE:** Standard 1 gang. Requires minimum 35mm back box. (45mm recommended if practical)
- TEMPERATURE RANGE:** Setback temperature adjustable from 5°C to 19°C. Comfort temperature adjustable from 16°C to 25°C
- TIMING RANGE:** Comfort period adjustable from 1 to 120 minutes
- ADJUSTMENT METHOD:** By three graduated potentiometers on rear of unit
- ELECTRICAL SPEC:** 220-240VAC 50 Hz
- LOAD:** 16A resistive
- CONNECTIONS:** Live in, Swd. live out, Neutral
- TYPE:** Class 2
- 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.

Unit description:

The Prefect PRE5000 Touch Thermostat will maintain a room at an internally adjustable setback heat level. When the front of the unit is touched the unit boosts the room temperature to an internally adjustable comfort heat level for a time period which is also internally adjustable. Once this time period has expired the unit switches back to maintaining the setback heat level.

PRE5000 Touch Switch schematic wiring diagram



Installation Instructions:

1. Isolate the circuit supplying the heating points that are to be connected to the PRE5000. This should be undertaken at the distribution board.
2. The PRE5000 should ideally be mounted at chest height, and it should be in a position where its operation will not be effected by 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. Adjust the circuit wiring to allow for the following connections:
 - 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. Prefect Controls recommends this product is installed by a competent person and to the IEE regulations in force at the time.



Setting & Commissioning Information:

THIS UNIT SHOULD ONLY BE ADJUSTED WHILST ISOLATED FROM ITS SUPPLY.

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

1. Adjust the setback temperature using the 'SETBACK' 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 comfort heat level for once 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 touched, 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 PRE5000

