

# PRE5502 Remotely Activated Two-Stage Thermostat



## Specification:

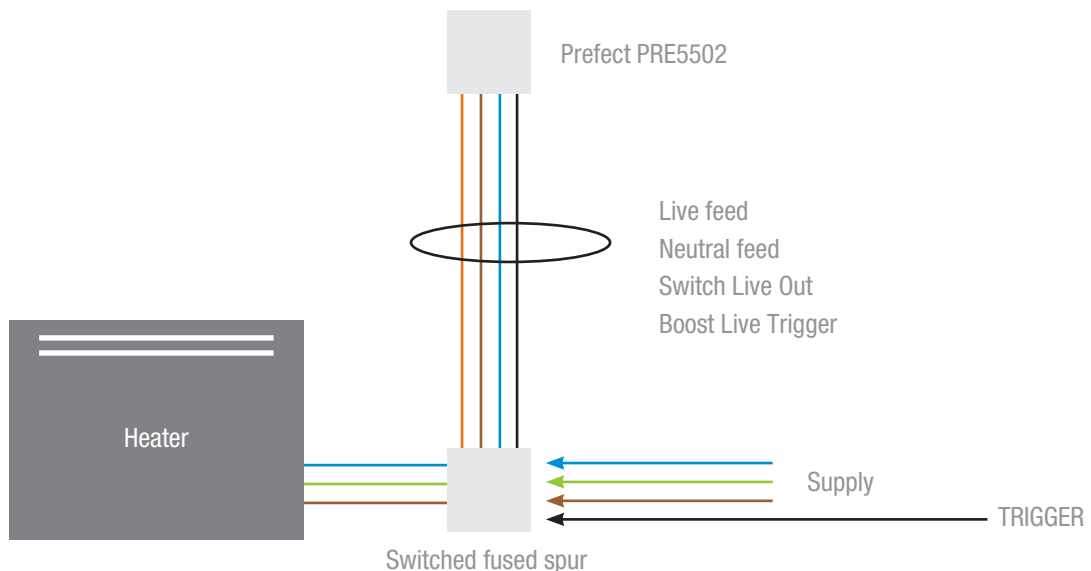
- SIZE:** Standard 1 gang. Requires minimum 35mm back box. (45mm recommended if practical)
- TEMPERATURE RANGE:** Comfort temperature (boost) 15 to 30°C. Set-back temperature 1 to 20°C. Frost temperature 1 to 20°C.
- TIMING RANGE:** Time to set-back 5 to 480 minutes. Time to frost 1 to 72 hours.
- ADJUSTMENT METHOD:** IR Coded AUTO LOCK SYSTEM ©
- ELECTRICAL SPEC:** 220-240VAC 50 Hz
- LOAD:** 16A resistive
- CONNECTIONS:** Live in, swd. live out, Neutral
- 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 PRE5502 Boost trigger Thermostat will maintain a room at a customer pre-set heat level. When the unit is supplied with a 30V trigger, the unit allows the room temperature to boost to the customer pre-set comfort heat level. When the trigger voltage is removed the unit returns to a pre-set setback temperature. Should no activity take place for 48 hours the unit will allow the temperature to drop to 5°C.

Need new photo

## PRE5502 Touch Switch schematic wiring diagram



### Installation Instructions:

1. Isolate the circuit supplying the heating points that are to be connected to the PRE5502. This should be undertaken at the distribution board.
2. The PRE5502 should be positioned where operation will not be affected by local heat sources such as lighting or the heater itself, by limited airflow or cold drafts for example. The unit should be mounted ideally at chest height. The unit should be mounted ideally at chest height.
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.
  - Connect the 230V Boost trigger to the "LIVE BOOST" terminal
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.

The time/temperature profiles of the unit have been set to precise client requirements. However, further adjustments can be made to the unit on site via the PRE5900 Infra-red programming handset.

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 a 230V supply is connected, the red LED will illuminate to indicate the unit has switched to maintaining the boost heat level.

Back view of PRE5502

