
ELITE and PERFORMANCE Operating Thermostat Replacement



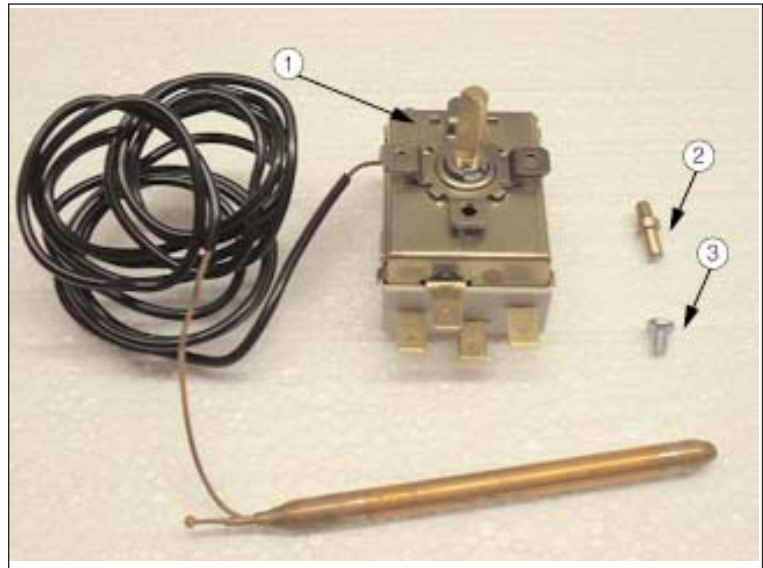
Kit Part Number: **PGRKIT21**

Included in the Kit:

- 1- (1) Thermostat
- 2- (1) Stop Pin Screw
- 3- (1) Machine Screw

Tools required:

- Wire Cutters
- Screwdriver - #3 Phillips
- Screwdriver - #3 Slotted
- Adjustable Wrench



WARNING

Indicates a potentially hazardous situation which, if ignored, can result in serious injury or substantial property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance, which are important to equipment but not related to personal injury hazards.

WARNING

Failure to follow instructions below can result in severe personal injury or damage if ignored.

- Instructions are for a qualified installer/ service technician.
- Read all instructions before proceeding.
- Follow instructions in proper order.

WARNING

For your safety, turn off electrical power supply at service panel before proceeding to avoid possible electrical shock hazard. Failure to do so can cause severe personal injury or death.

ELITE and PERFORMANCE

Operating Thermostat Replacement

Removal of the Thermostat

1. Disconnect electrical power supply to the Combination Heater
2. Disengage the top jacket panel from the side jacket panels using an upward force along the front edge of the top panel.
3. Remove the front jacket panel by placing a slotted screwdriver between the front panel and the side jacket panels and using a twist motion.

NOTICE

Use extreme care as not to damage or scratch the jacket panels with the screwdriver when removing the front jacket panel.

4. Remove the (4) locking pins along the corners of the front control panel. On the PERFORMANCE units remove the air inlet mounting screw along the front edge of the control panel.
5. Lay the front control panel forward to expose the transformer and control wiring.
6. Using the wire cutters remove any wire ties along the existing Thermostat capillary tubing.
7. For ease of replacement label or note each wire and it's location on the Thermostat prior to removal of any wire leads.
8. Remove the wire leads from the Thermostat terminals using pliers to prevent damage to the wire leads.
9. Use a slotted screwdriver to remove the knob from the Thermostat.
10. Use a #3 Phillips screwdriver to remove the left Thermostat mounting screw.
11. Use a slotted screwdriver to remove the "stop pin" mounting screw. The Thermostat can now be remove from the backside of the front control panel.
12. Remove the sensing bulb from the drywell locations.
 - The Secondary (domestic) thermostat sensing bulb is located in a drywell at the domestic hot water outlet.
 - The Primary (space heating) thermostat sensing bulb is located in a drywell in front of the domestic cold water inlet.

Installation of the Thermostat

1. Insert the new sensing bulb into the same location as the existing bulb. Ensure the bulb is position at the bottom of the drywell.
2. Mount the new Thermostat onto the front control panel through the backside of the panel. Ensure the terminals of the Thermostat are orientated downward.
3. Position the indication ring onto the front control panel so the indication mark is at the top of the ring. See Fig. 1
4. Use the mounting screws to secure the Thermostat and indicator ring to the front control panel using the Phillips screw and the "stop pin" slotted screw. Ensure the "stop pin" screw is position to the right. See Fig. 1
5. Turn the Thermostat stem counter-clockwise fully and re-insert the knob.
6. Attach the wire leads to the Thermostat terminals in the proper order. Ensure all leads are securely attached to the terminals.
7. Re-install the front control panel using the locking pins to secure the panel into place.

ELITE and PERFORMANCE

Operating Thermostat Replacement

WARNING

To prevent potential damage to the unit and/or electrical shock hazard ensure the capillary tubes of the operating aquastats are tucked up under the front control panels and not lying across any wire terminals.

8. Reattach the top jacket panel by aligning and engaging the panel onto the locking pins.
9. Reattach the front jacket panel by inserting the lower tabs into the side jacket panels and then engaging the upper locking pins.
10. Reconnect the power supply and return the unit to service.

Fig. 1

