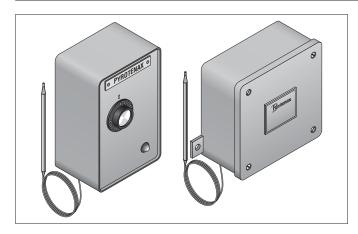




Pyrotenax 4395W & 4688 Series Thermostats

USER INSTRUCTIONS FOR BULB AND CAPILLARY THERMOSTATS



DESCRIPTION

The Pyrotenax 4395W and 4688 series thermostats are used to control temperature for a wide variety of heating applications. These temperature controllers cycle the heat on and off within a specified temperature range.

TOOLS AND ACCESSORIES REQUIRED

- Screwdriver
- Screws

4688P THERMOSTAT

Туре	Remote bulb
Capillary length	10 ft (3 m) copper capillary with HDPE jacket
Bulb	3/8" dia x 5-3/4" L (9.5 mm dia x 14.6 cm L)
Temperature range	32°F to 120°F (0°C to 50°C)
Maximum permissible temperature at bulb	155°F (65°C)
Rating	30 A at 125 V or 250 V, SPST switch (opens on temperature rise), ambient compensated
Enclosure	Moisture and dust resistant with external temperature adjustment knob and red indicating lamp; two 1/2" knockouts; 6-9/16" L x 4" W x 2-5/8" D (16.7 cm L x 10.2 cm W x 6.7 cm D)

4688WP THERMOSTAT

Туре	Remote bulb
Capillary	10 ft (3 m) copper capillary
length	with HDPE jacket
Bulb	3/8" dia x 5-3/4" L (9.5 mm
	dia x 14.6 cm L)
Temperature	32°F to 120°F (0°C to 50°C)
range	
Maximum	155°F (65°C)
permissible	
temperature	
at bulb	
Rating	30 A at 125 V or 250 V, SPST
	switch (opens on temperature
	rise), ambient compensated
Enclosure	Cast aluminum, weathertight
	and suitable for direct
	exposure to weather (Do not
	use for underground burial);
	internal adjustment knob; two
	1/2" NPT entries; 6" L x 5-3/4"
	W x 3-1/2" D (15.2 cm L x 14.6
	cm W x 8.9 cm D)
Also	4688WP25 –
available as	Similar to 4688WP, but with
	25 ft (7 4 m) capillary

25 ft (7.6 m) capillary

4688WS -

Similar to 4688WP, but with 10 ft (3 m) stainless steel capillary

4395W THERMOSTAT

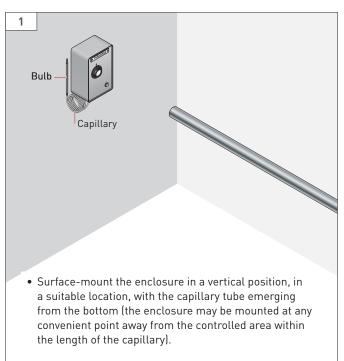
Туре	Remote bulb
Capillary length	10 ft (3 m) copper capillary
Bulb length	1/4" dia x 5-1/2" L (6.4 mm dia x 14 cm L)
Temperature range	50°F to 250°F (10°C to 120°C)
Maximum permissible temperature at bulb	350°F (176°C)
Rating	30 A at 125 V or 250 V, SPST switch (opens on temperature rise), ambient compensated
Enclosure	Cast aluminum, weathertight and suitable for direct exposure to weather (Do not use for underground burial); internal adjustment knob; two 1/2" NPT entries; 6" L x 5-3/4" W x 3-1/2" D (15.2 cm L x 14.6 cm W x 8.9 cm D)

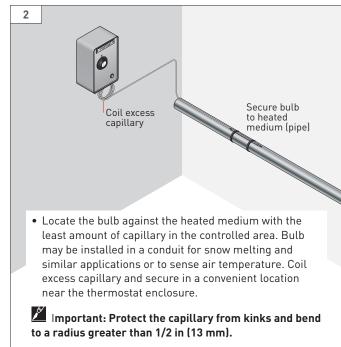
/ WARNING:

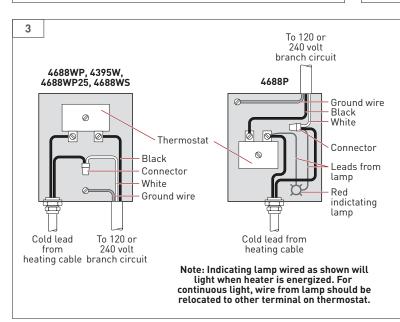
All thermostats must be installed by a qualified electrician and in accordance with the requirements of the Canadian Electrical Code (CEC) or National Electrical Code (NEC) and applicable local codes.

IMPORTANT:

- DO NOT cut the capillary as this will render the thermostat inoperative.
- Protect the capillary from kinks, sharp bends (less than 1/2" (13 mm) in radius and unnecessary handling.







- Connect the heating cable and power from the breaker panel to the temperature controller (see wiring diagram). A circuit breaker with 30 mA ground-fault protection must be used and the breaker and wiring must be sized to handle the expected current.
- The connection diagrams refer to installations where the heating cable supply voltage is 250 volts or less. For higher heating cable voltages, a contactor must be used with a separate supply (less than 250V) for the contactor coil/thermostat circuit.
- The thermostat may be tested by inserting the bulb into fluid heated to the temperature to be maintained. Turn the shaft until a "Click" is heard. This indicates that the contacts are opening and closing and will ensure that the setting corresponds to the guide scale.
- Note: The electrical connection must be made by a qualified electrician and comply with all local and national electrical codes.



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