

### D1 - D18 SERIES 5000 SERIES

## ELECTRIC THERMOSTAT



**Specifications** 

- Ambient temperature:
   0°F to 150°F (-18°C to 66°C)
- Double pole single throw contacts (DPST)
- Positive OFF Contacts are mechanically open in OFF position
- 120, 277 VAC @ 30A
  480 VAC @ 10A
  277 VAC @ 250VA
  125 VAC @ 125VA
- Agency, Certification Numbers:
  - UL Guide No. XAPX2
  - UL and CSA File No. E12103
  - CSA Class 4823 02

The Robertshaw® D1/D18 series is a heavy duty thermostat designed for use in harsh applications where precise temperature control is required. The control uses a double pole single throw (DPST) snap action mechanism with a positive OFF switch. It is recommended for use on applications that require double pole operation and accurate temperature control.

### **Features and Benefits**

- Temperature ranges to 650°F (343°C)
- DPST with positive OFF
- Mechanical snap action is instantaneous, positive and non-fatiguing. Reacts to exceedingly small movements of the diaphragms for very close temperature differential.
- Diaphragm assembly features two stainless steel diaphragms electrically welded together.
   Maximum sensitivity without overstressing the metal.
- Supplied with terminals mounted in four different positions
- Bulb and capillary available in copper, nickel plated copper, or stainless steel
- Plastic coating available to protect against moisture, dust, etc

### **Additional Options**

Dial

- Multiple temperature ranges available
- Available in black and red

#### Bezel

- Not for use with case assembly
- · Chrome plated brass

**Protective Case Assembly** 

- Plated steel case
- Brass protective sleeve (optional)





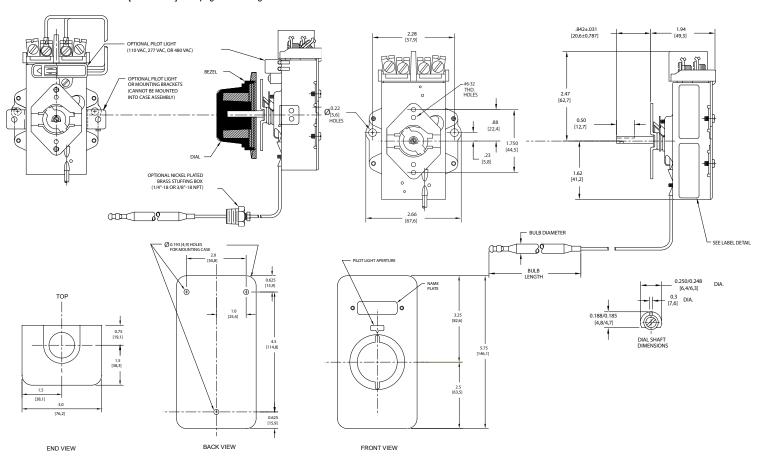


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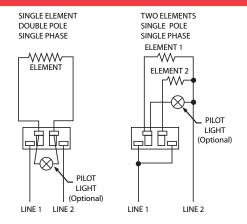
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### **PRODUCT DIMENSIONS**

Dimensions are inches and [millimeters]. See page 66 for English to Metric conversions.



#### **WIRING DIAGRAMS**



### **AVAILABLE BULB DIAMETERS**

inches	0.187*	0.250	0.312	0.375
[millimeters]	4,8	6,4	7,9	9,5

<sup>\* 0.187</sup> inch diameter bulb is most common

### **AVAILABLE CAPILLARY LENGTHS**

24" to 120" in 12" increments

60mm to 3048mm in 305mm increments

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