

# Robertshaw®

**D1 - D18  
SERIES  
5000 SERIES**

**ELECTRIC  
THERMOSTAT**



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)

### Specifications

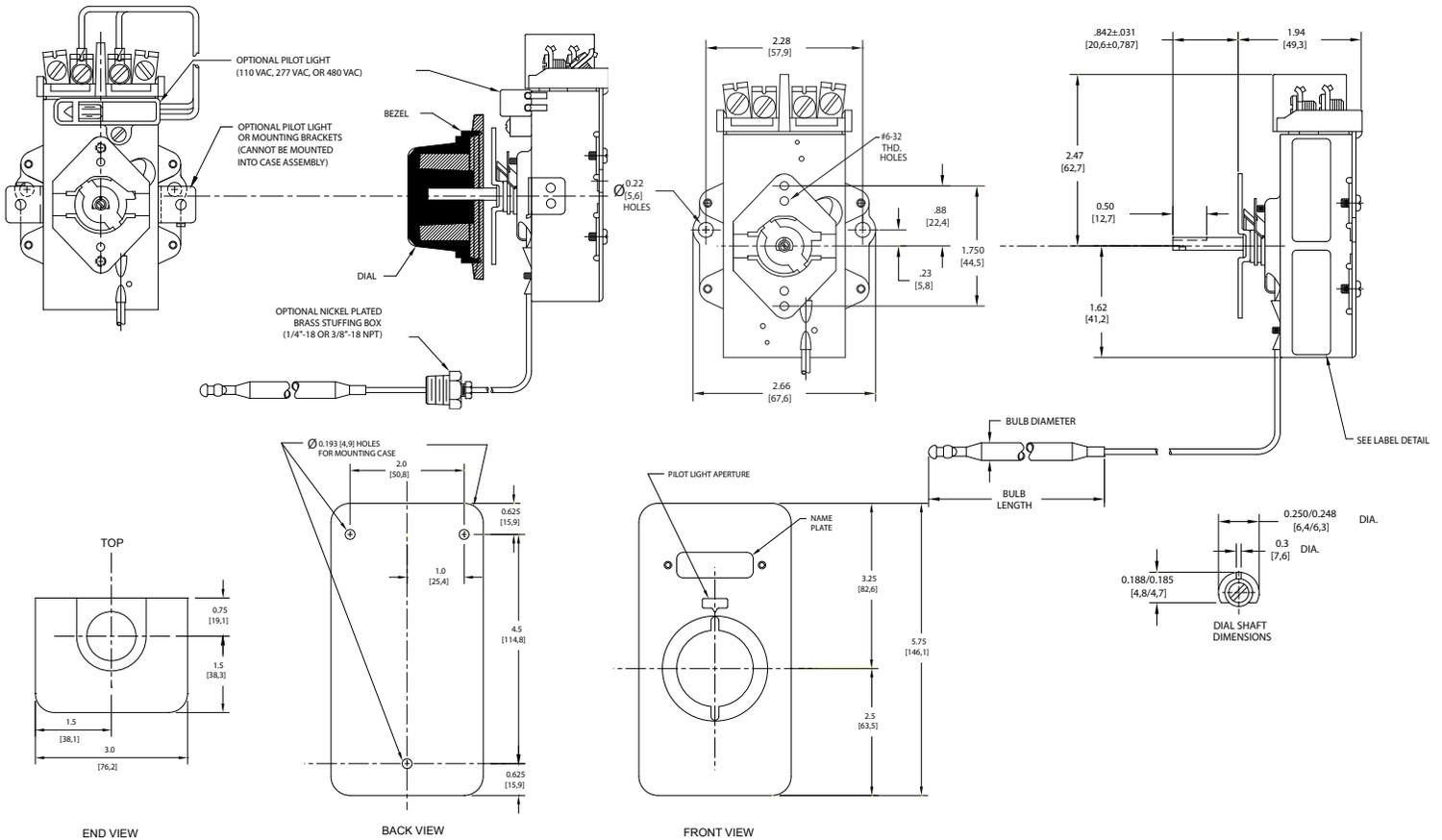
- Ambient temperature:  
0°F to 150°F (-18°C to 66°C)
- Double pole single throw contacts (DPST)
- Positive OFF - Contacts are mechanically open in OFF position
- 120, 277 VAC @ 30A  
480 VAC @ 10A  
277 VAC @ 250VA  
125 VAC @ 125VA
- Agency, Certification Numbers:
  - UL Guide No. XAPX2
  - UL and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



An ISO 9001 – 2008 Certified Company

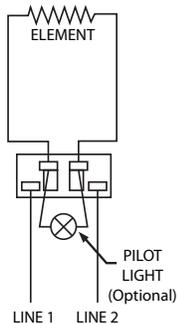
### PRODUCT DIMENSIONS

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

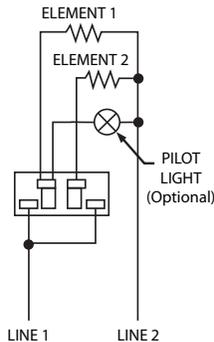


### WIRING DIAGRAMS

SINGLE ELEMENT  
DOUBLE POLE  
SINGLE PHASE



TWO ELEMENTS  
SINGLE POLE  
SINGLE PHASE



### AVAILABLE BULB DIAMETERS

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

\* 0.187 inch diameter bulb is most common

### AVAILABLE CAPILLARY LENGTHS

24" to 120" in 12" increments

60mm to 3048mm in 305mm increments