

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

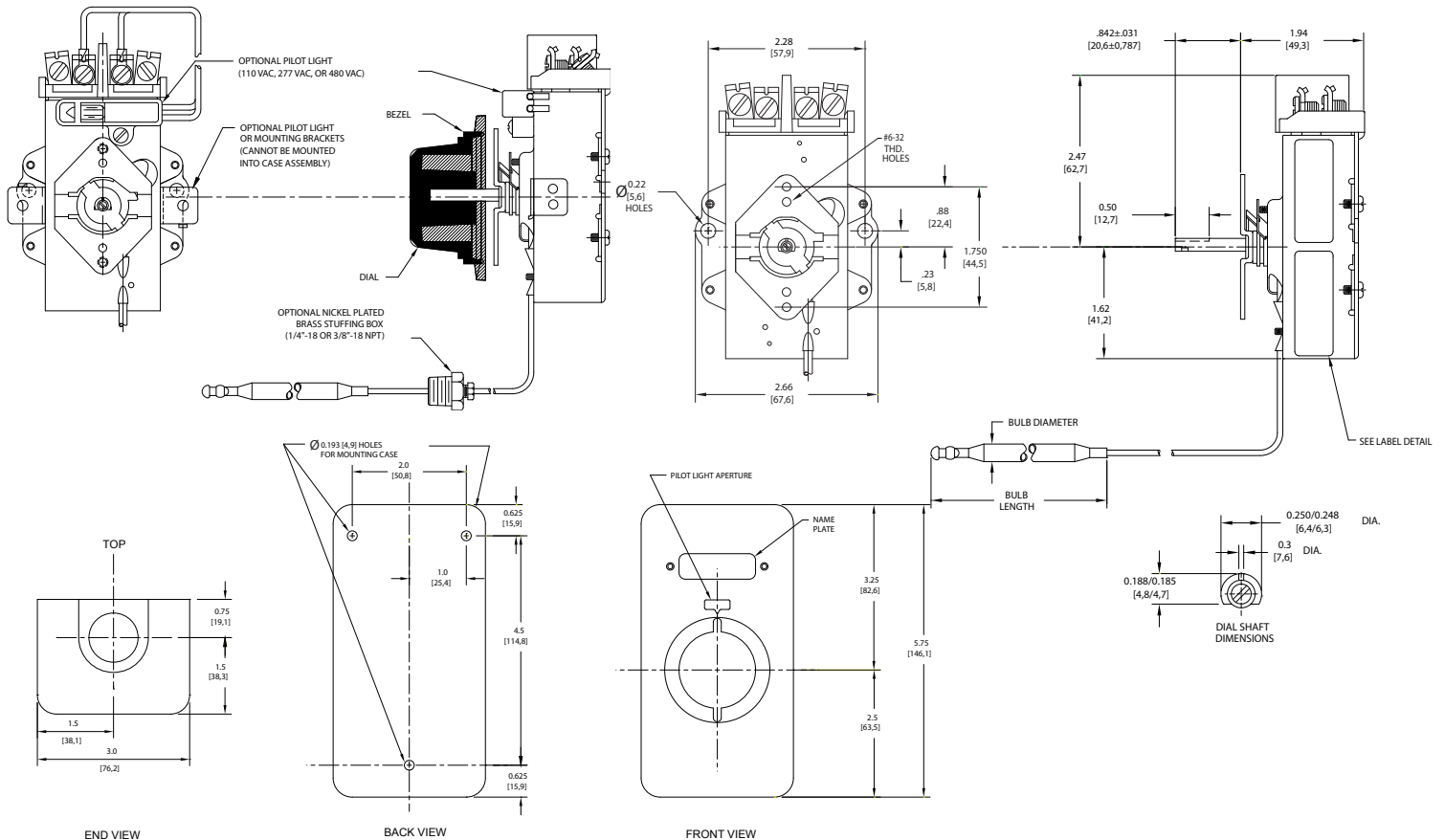
- Ambient temperature:
0°F to 150°F (-18°C to 66°C)
- Double pole single throw contacts (DPST)
- Positive OFF - Contacts are mechanically open in OFF position
- 120, 277 VAC @ 30A
480 VAC @ 10A
277 VAC @ 250VA
125 VAC @ 125VA
- Agency, Certification Numbers:
 - UL Guide No. XAPX2
 - UL and CSA File No.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



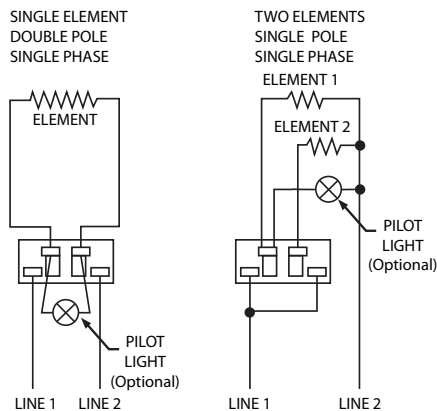
An ISO 9001 – 2008 Certified Company

PRODUCT DIMENSIONS

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



WIRING DIAGRAMS



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