

R1 and R3

Adjustable Control Thermostats

Product Specifications

Application . . .

Electric Heat Tracing Control

The R1 and R3, equipped with double-pole switches, are designed for use as adjustable control thermostats for freeze protection and temperature maintenance applications requiring pipewall or tankwall sensing.

R1 . . . This cost-effective thermostat, designed for use in indoor/protected locations, utilizes a painted steel NEMA 1 enclosure to house the thermostat switch while permitting temperature adjustments without removing any cover.

R3 . . . A gasketed cast aluminum enclosure provides weatherproof protection to the thermostat switch and internal setpoint dial.

The R1 thermostat is approved for indoor/protected use in ordinary (nonclassified) locations. The R3 is approved for indoor/outdoor use in ordinary (nonclassified) locations.

Ratings/Specifications . . .

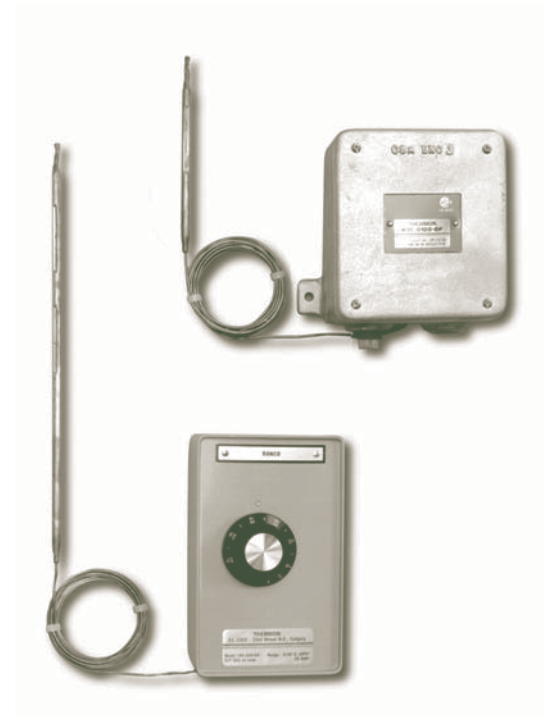
Voltage rating	277 Vac
Switch rating	25 amps
Switch type	DPST
Electrical connection	
R1 ¹	screw terminals on switch
R3 ²	12 AWG leads
Adjustable control range	
R1	0°C to 50°C (32°F to 122°F)
R3	0°C to 120°C (32°F to 248°F)
Maximum control differential	
R1	1.8°C (3.2°F)
R3	4.3°C (7.7°F)
Setpoint repeatability	
R1	±0.4°C (0.7°F)
R3	±1.1°C (2.0°F)
Maximum bulb exposure temperature	
R1	68°C (154°F)
R3	200°C (392°F)
Bulb dimensions	
R1	6 x 300 mm (1/4" x 12")
R3	6 x 140 mm (1/4" x 5-1/2")
Bulb material	copper
Capillary length	300 cm (10')
Capillary material	copper

Notes . . .

- The R1 utilizes two 1/2" or 3/4" conduit knockouts with an internal grounding terminal.
- The R3 utilizes two 1/2" NPT conduit hubs with an internal grounding terminal.

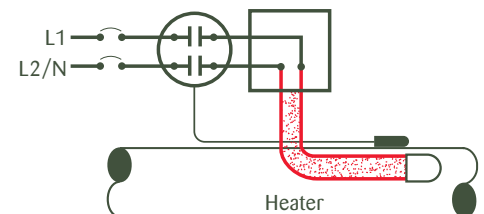
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R1 (bottom) and R3

Typical Wiring Diagram . . .



Certifications/Approvals . . .



Canadian Standards Association
 Ordinary Locations

