

# E4X-25325 and E7-25325

## Adjustable Control Thermostats

## Product Specifications

### Application . . .

#### Electric Heat Tracing Control

The E4X-25325 and E7-25325 are designed for use as adjustable control thermostats for freeze protection and temperature maintenance applications requiring pipewall or tankwall sensing.

**E4X-25325 . . .** An epoxy polyamide coated die-cast aluminum NEMA 4X enclosure provides watertight, dusttight and corrosion-resistant protection to the thermostat switch.

**E7-25325 . . .** An aluminum lacquer finished die-cast aluminum enclosure provides NEMA 4 (watertight and dusttight) and NEMA 7/NEMA 9 (explosionproof) protection to the thermostat switch. The tamper-resistant, threaded and gasketed aluminum dial cover is externally adjustable.

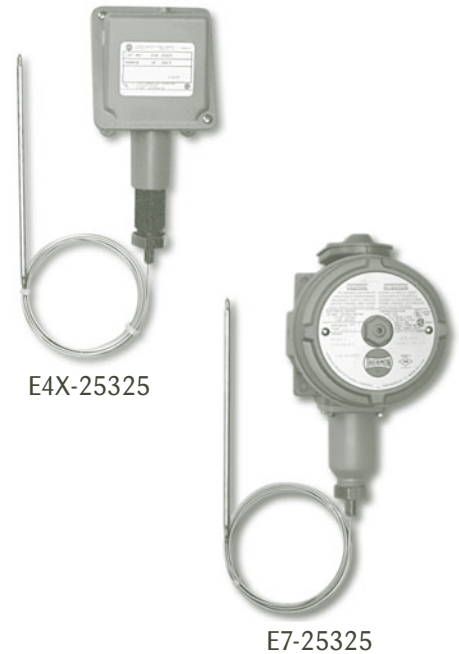
The E4X-25325 thermostat is approved for use in ordinary (nonclassified) locations. The E7-25325 is approved for use in both ordinary (nonclassified) and hazardous (classified) locations.

### Ratings/Specifications . . .

Voltage rating	125/250/480 Vac
Switch rating	22 amps
Switch type	SPDT <sup>1</sup>
Electrical connection	
E4X-25325 <sup>2</sup>	screw terminals on switch
E7-25325 <sup>3</sup>	terminal blocks
Adjustable control range	25°F to 325°F (-4°C to 163°C)
Maximum control differential	7°F (3.9°C)
Setpoint repeatability	±3.5°F (1.9°C)
Maximum bulb exposure temperature	650°F (343°C)
Bulb dimensions	1/4" x 8-1/4" (6.4 x 210 mm)
Bulb material	stainless steel
Capillary length	10' (3 m)
Capillary material	stainless steel

#### Notes . . .

1. See back for typical wiring diagram.
2. The E4X-25325 utilizes a 1/2" NPT conduit hub with an internal grounding terminal.
3. The E7-25325 utilizes a 3/4" NPT conduit hub with an internal grounding terminal.



### Certifications/Approvals . . .



#### Underwriters Laboratories Inc.

Ordinary Locations  
Hazardous (Classified) Locations (E7-25325 only)  
Class I, Divisions 1 & 2, Groups B, C and D  
Class II, Divisions 1 & 2, Groups E, F and G  
Class III, Divisions 1 and 2  
Class I, Zone 1, Group IIB + H<sub>2</sub> T<sub>6</sub>



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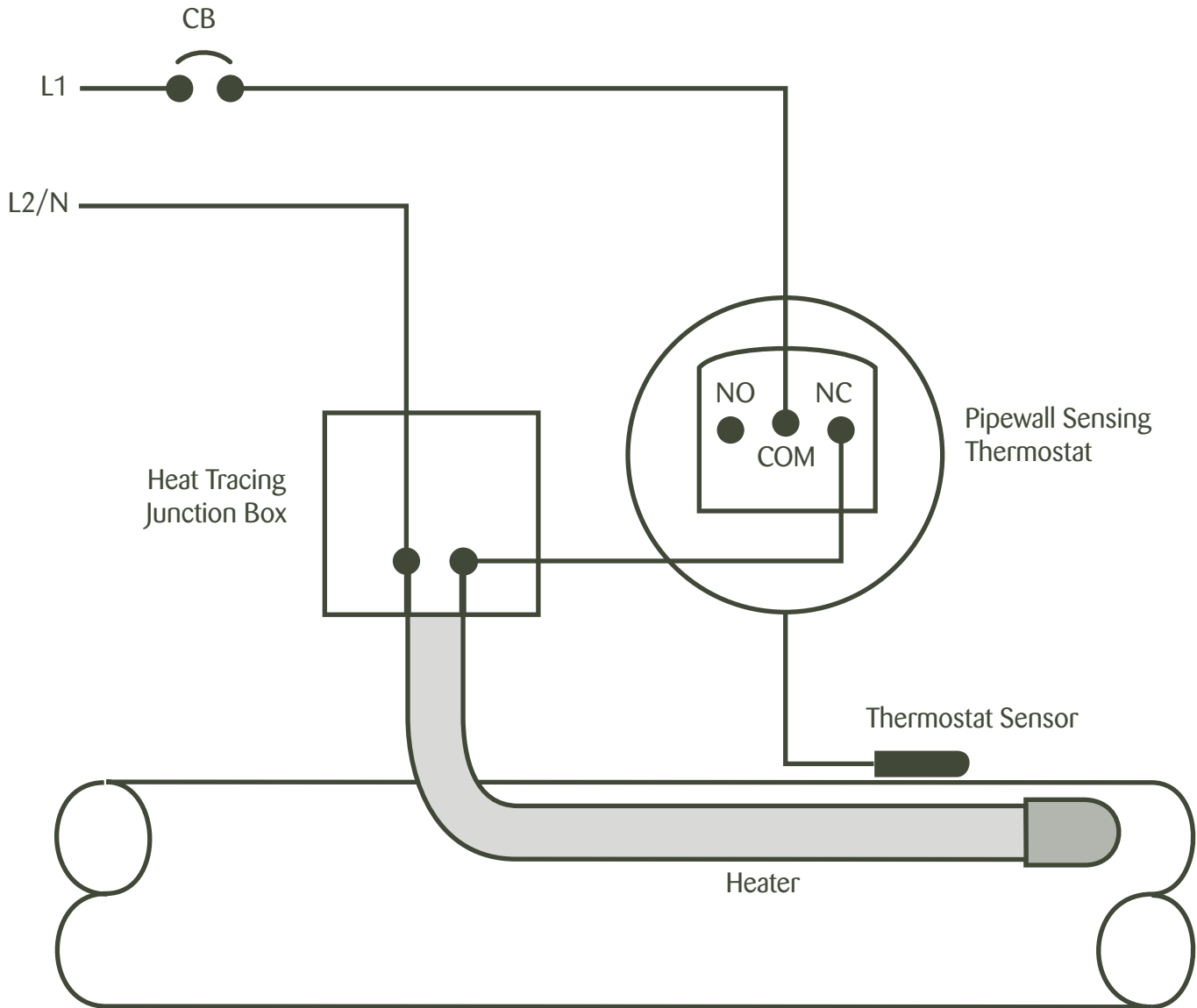
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# E4X-25325 and E7-25325

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### Typical Wiring Diagram<sup>1</sup> . . .



#### Notes . . .

1. The National Electrical Code, Article 427-56(b) states: "Temperature- controlled switching devices which do not have an "off" position shall not be required to open all ungrounded conductors and shall not be permitted to serve as the disconnecting means." The E4X/E7-25325 thermostats have no "off" position and therefore may be used for switching one conductor of a two-phase heating circuit.

