

# E4X-35235 and E4X-1

## Adjustable Control Thermostats

### Product Specifications

#### Application . . .

##### Electric Heat Tracing Control

The E4X-35235 and E4X-1 are designed for use as adjustable control thermostats for freeze protection and temperature maintenance applications requiring pipewall or tankwall sensing.

**E4X-35235 . . .** A nonmetallic NEMA 4X enclosure provides watertight, dusttight and corrosion-resistant protection to the thermostat switch. All exposed hardware is stainless steel.

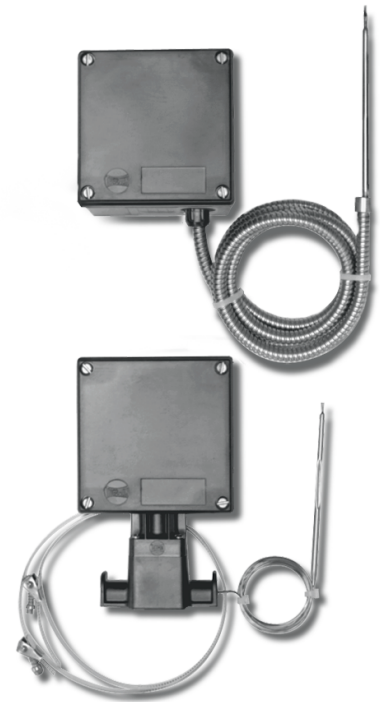
**E4X-1 . . .** A nonmetallic NEMA 4X enclosure provides watertight, dusttight and corrosion-resistant protection to the thermostat switch. The E4X-1 includes a mounting expediter to facilitate installation on the heat-traced pipe (or to a nozzle protruding from a tank). All exposed hardware is stainless steel.

#### Ratings/Specifications . . .

Voltage rating .....	125/240/277/480 Vac
Switch rating .....	30/30/25/15 amps
Switch type .....	SPST <sup>1</sup>
Electrical connection <sup>2</sup> .....	screw terminals on switch
Adjustable control range .....	35°F to 235°F (2°C to 113°C)
Maximum control differential .....	9°F (5°C)
Maximum bulb exposure temperature .....	300°F (149°C)
Bulb dimensions .....	1/4" x 6-3/8" (6.4 x 162 mm)
Bulb material .....	nickel-plated copper
Capillary length	
E4X-35235 .....	6' (1.8 m)
E4X-1 .....	5' 6" (1.7 m)
Capillary material .....	nickel-plated copper

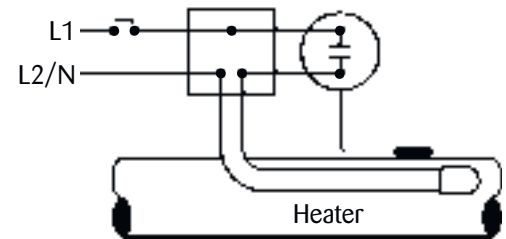
#### Notes . . .

1. The 1999 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-35235 and E4X-1 thermostats have no "off" position and therefore may be used for switching one conductor of a two-phase heating circuit.
2. The E4X-35235 and E4X-1 utilize a 1/4" (32 mm) opening for installation of a contractor-supplied fitting. The thermostats include an internal grounding terminal.



E4X-35235 (top) and E4X-1

#### Typical Wiring Diagram . . .



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