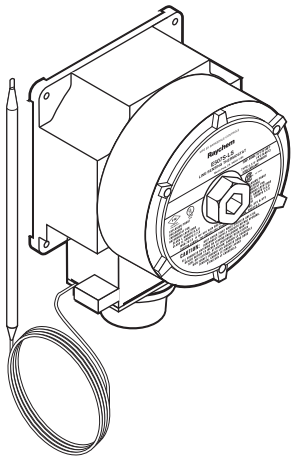
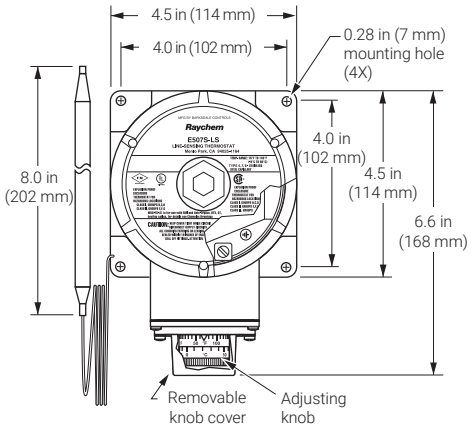
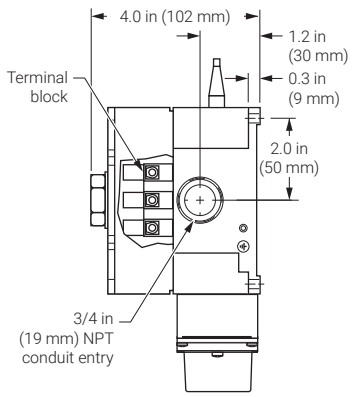
E507S-LS

LINE-SENSING THERMOSTAT FOR HAZARDOUS LOCATIONS







PRODUCT OVERVIEW

The nVent RAYCHEM E507S-LS thermostat is designed for controlling heat-tracing systems in hazardous locations. The E507S-LS senses pipe or tank wall temperatures and can be used to control a single heat-tracing circuit or as a pilot control of a contactor switching multiple heat-tracing circuits. It can also be used to indicate low-temperature or high-temperature alarm conditions.

SPECIFICATIONS

Enclosure	TYPE 4, 7, 9, lacquer-coated cast-aluminum housing, stainless steel hardware
Entries	One 3/4-in (19 mm) NPT conduit hub
Set point range	25°F to 325°F (–4°C to 163°C)
Sensor exposure limits	–40°F to 420°F (–40°C to 215°C)
Housing exposure limits	–40°F to 140°F (–40°C to 60°C)
Switch	SPDT
Electrical rating	22 A at 125 / 250 / 480 Vac
Accuracy	±6°F (±3.3°C)
Deadband	2°F to 12°F (1.1°C to 6.7°C) above actuation temperature
Setpoint repeatability	±3°F (±1.7°C)
Sensor type	Fluid-filled (silicone) bulb and 9 ft (2.7 m) capillary
Sensor material	300 series stainless steel
Connection terminals	Screw terminals, 10–14 AWG (2–5 mm^2)

APPROVALS

Hazardous Locations

Class I, Div. 1 and 2, Groups B, C, D
Class II, Div. 1 and 2, Groups E, F, G
Class III

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