The AMC-1H ambient-sensing thermostat is designed to control heat-tracing systems used for freeze protection in hazardous locations. The thermostat responds to ambient temperature changes and has an adjustable set point. The AMC-1H can be used to control a single heat-tracing circuit or as a pilot control of a contactor switching multiple heat-tracing circuits.

**Specifications**

- **Enclosure**: NEMA 4, 7, 9 lacquer-coated cast-aluminum housing, stainless steel hardware
- **Entries**: One 3/4-in (19 mm) NPT conduit hub
- **Set point range**: 15°F to 140°F (–9°C to 60°C)
- **Sensor exposure limits**: –40°F to 160°F (–40°C to 71°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**: Fixed fluid-filled (silicone) bulb and capillary
- **Sensor material**: 300 series stainless steel
- **Connection terminals**: Screw terminals, 10–14 AWG (2–5 mm²)

**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