The Model A-709 Temperature Enclosure can be used to mount our Series 651 and 659 transmitters to any of our 1/4” diameter temperature sensors. The screw on enclosure core can be quickly removed and has a chain to prevent it from getting lost. The Model A-709 comes with the necessary adapters and fittings for attaching the temperature sensor.

**SPECIFICATIONS**

- **Service:** Indoor or outdoor.
- **Temperature Limits:** -40 to 212°F (-40 to 100°C).
- **Rating:** NEMA 4X.
- **Materials:** Aluminum housing.

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Model A-709, Temperature Transmitter Enclosure

Model 652-0 Programmable Transmitter

RTD, Thermocouple, Voltage or Potentiometer Input, Galvanically Isolated

**SPECIFICATIONS**

- **Input/Output Isolation:** 500 VAC RMS.
- **Thermocouple Input Range:** J: -328 to 2192°F (-200 to 1200°C); K: -328 to 2498°F (-200 to 1370°C); T: -328 to 752°F (-200 to 400°C); R and S: -14 to 3200°F (-10 to 1760°C); E: -328 to 1832°F (-200 to 1000°C); F: -148 to 1112°F (-100 to 600°C); N: -292 to 2372°F (-180 to 1300°C).
- **RTD Input Range:** (Pt100Ω): -328 to 1562°F (-200 to 850°C).
- **Output:** Linearized 4 to 20 mA.
- **Output Impedance:** 700Ω @ 24 VDC.
- **Power Requirements:** 10 to 35V.
- **Accuracy:** T/C: ±0.04% full range input, ±0.04% rdg.; RTD: ±0.01 full range input, ±0.05% of rdg.; Voltage: 10µV, ±0.07% rdg.; Potentiometer: 0.1% full range input.
- **Thermal Drift:** Zero: 0.1µV/°C (RTD zero drift is 0.008°F/°F); Span: 100ppm/°C.
- **Temperature Limit:** Ambient: -40 to 185°F (-40 to 85°C).
- **Response Time:** < 1 second.
- **Update Time:** 250 msec max.
- **Filtering:** Off, 2 seconds, 10 seconds, or adaptive.
- **Cold Junction Error:** ±29°F (±0.5°C).
- **Computer Interface:** RS232 via configurator 652-C, IBM compatible 386 or above with 4mB Ram and serial port.
- **Housing:** PPE & PS.
- **Weight:** 0.92 oz (26 g).
- **Max. Output Load:** 700Ω @ 24 VDC.
- **Agency Approvals:** CE.