SERIES BTT-E/N
TEMPERATURE TRANSMITTER
Wall Mount for Building Applications

The Series BTT-E/N Temperature Transmitters offer transmitter output signals with the same form and fit as our popular Series TE-E/N thermistor and RTD sensors for Building Automation and HVAC installations.

FEATURES/BENEFITS
• Transmitter signal offers reliable accuracy for installations with long wire runs between the transmitter and the receiver/ controller.

APPLICATIONS
• Room or indoor building space temperature monitoring

SPECIFICATIONS
Temperature Sensor: Pt1000Ω RTD DIN Class A 0.00385Ω/°C.
Range: 32 to 122°F (0 to 50°C).
Temperature Limits: 32 to 122°F (0 to 50°C).
Accuracy: ±0.5°C @ 25°C.
Thermal Effect: ±0.01%/°F.
Response Time: 100 ms.
Output Signal: 4-20 mA or 0-10 VDC (depending on model).
Electrical Connections: Screw terminal block.
Enclosure Rating: IP66.
Weight: 2.6 oz (73.7 g).
Agency Approvals: CE.

SERIES BTT
TEMPERATURE TRANSmitters
Current or Voltage Output, NEMA 4X Enclosures

The Series BTT Temperature Transmitters offer transmitter output signals with the same form and fit as our popular TE thermistor and RTD sensors for building HVAC applications. Thermowells are required when using immersion models in liquid applications.

FEATURES/BENEFITS
• Duct, immersion, and outside air models available
• Radiation shield available for mounting in direct sunlight
• Transmitter output allows for longer wire runs than standard thermistor sensors

APPLICATIONS
• Building automation system temperature monitoring

SPECIFICATIONS
Temperature Sensor: Pt1000Ω RTD DIN Class A 0.00385Ω/°C.
Range: -40 to 140°F (-40 to 60°C).
Temperature Limits: Operating: -40 to 302°F (-40 to 150°C).
Accuracy: ±0.5°C @ 25°C.
Thermal Effect: ±0.1%/°C.
Response Time: 100 ms.
Wetted Materials: All models: 304 SS (probe, polycarbonate (housing); Duct and immersion models: Neoprene (gasket); Outside air models: Nylon (insert), silicone (O-ring).
Process Connection: 1/2” NPSM/1/2” NPT (internal/external)
Electrical Connection: Removable terminal block, knocks out for conduit fitting.
Conduit Connection: 1/2” NPT.
Probe Lengths: 2.5 to 18” (depending on configuration).
Output Signal: 4-20 mA or 0-10 VDC (depending on model).
Enclosure Rating: NEMA 4X (IP66) (immersion models require thermowell).
Weight: 5.11 oz (145 g) (duct/immersion); 8.4 oz (238 g) (outside air without radiation shield).
Agency Approvals: CE.