

## 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

MODEL CHART									
Example	BTT	-D	04	-1		BTT-D04-1			
Series	BTT					Temperature transmitter			
Mounting		D				Duct mount			
Configuration		1				Immersion mount			
		0				Outside air			
		R				Outside air with radiation shield			
Probe			25			2.5" (required for "O" and "R" models)			
Length*			04			4"			
			06			6″			
			08			8″			
			12			12″			
			18			18″			
Output				1		4 to 20 mA			
				2		0 to 10 V			
Options					Blank	None			
					FC	Factory calibration certificate			
					NIST	NIST calibration certificate			
*For BTT-I models, actual probe length is approximately 0.75" longer than listed									
probe length to ensure maximum immersion into thermowells.									

Accuracy: ±0.5°C @ 25°C. Thermal Effect: ±0.01%/°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), silocone (O-rina). Process Connection: 1/2" NPT (immersion models only).

Electrical Connection: Removable terminal block, knocks out for conduit fitting. Conduit Connection: 1/2" NPT.

Probe Lengths: 2.5 to 18" (depending on configuration). Power Requirements: 13 to 36 VDC for current models, 13 to 36 VDC or 16 to 28 VAC for voltage models.

Output Signal: 4 to 20 mA or 0 to 10 VDC (depending on model). Enclosure Rating: NEMA 4X (IP66) (immersions models require thermowell). Weight: 5.11 oz (145 g) (duct/immersion); 8.4 oz (238 g) (OSA without radiation shield); 1 lb 7.4 oz (663.4 g) (OSA with radiation shield). Agency Approvals: CE.

THERMOWELLS - WELDED									
		Connection	Insertion						
Model	Material	(Internal/External)	Length						
TE-TNS-N253N-00	304 SS	1/2" NPSM/1/2" NPT	2.5″						
TE-TNS-N043N-00	304 SS	1/2" NPSM/1/2" NPT	4″						
TE-TNS-N063N-00	304 SS	1/2" NPSM/1/2" NPT	6″						
TE-TNS-N083N-00	304 SS	1/2" NPSM/1/2" NPT	8″						
TE-TNS-N123N-00	304 SS	1/2" NPSM/1/2" NPT	12″						
TE-TNS-N183N-00	304 SS	1/2" NPSM/1/2" NPT	18″						

TEMPERATURE