

Applications & Features

- These transmitters/controllers can be used for temperature monitoring & controlling in duct air(TTD2N), water and steam pipe(TTD4N) or outside air(TTD3N)
- High performance digital temperature sensor and digital technology applied, ensure accurate measurement fast response and good long term stability
- Multiple outputs selection, over voltage and reverse polarity protection, high reliability and anti-interference capability
- Optional relay for alarm or ON/OFF control
- Wide working temperature range
- LCD & function keys can set parameters and calibrate output, so the product can becomes a stand alone controller
- High protection rate up to IP65

Specifications

Sensor: Digital temperature sensor

Range: see models

Output: 4~20mA (3 wires) / 0~10VDC, RS485/ Modbus

Storage Temperature: -40~85°C

Relay: 1×SPST, 3A/30VDC, 3A /250VAC

Accuracy: $\leq \pm 0.5^\circ\text{C}$ @ -10~85°C, see accuracy curve

Power: 15~28VAC/15~36VDC

Work Temp.: -40~85°C, 0~95%RH (Non condensing)

Storage Temperature: -40~85°C

Housing: ABS, SS probe, SS well

Protection: IP65

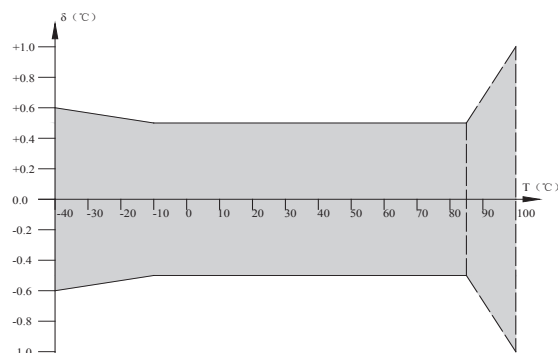
Approval: CE

Optional Accuracy: 0.25°C @ -20 ~105°C

(Add "H" after part number)

Display and keys: 4 digits LCD, with unit indication, backlight, 3 touch keys, see more details on LCD & Keys operation

Accuracy Curve:



Analog error: max $\pm 0.1\%$ FS, after calibrated at 25 °C

Analog output thermal effect: $\pm 0.007\%$ FS/°C

Models

Model	TTD2N					Duct mount digital temp. transmitter
	TTD3N					Outside air digital temp. transmitter
	TTD4N					Immersion digital temp. transmitter
Outputs		B				4-20mA/0-10VDC 4-20mA/0-10VDC RS485/Modbus
Range (Note1)			1 2 3 7			-10~50°C -10~90°C -40~60°C Others
Relay (Note2)				0 1		No 1×SPST
LCD & Keys				0 1 2		N/A LCD LCD & Keys
Well Length (TTD2N/4N)					1 2 7	125mm 200mm Others

Note 1: Every product can be set ranges with accuracy $\leq \pm 0.5^\circ\text{C}$ @ -10~85°C through LCD & function keys; code 7 product can be set all ranges in -40~125°C with accuracy $\leq \pm 0.5^\circ\text{C}$.

Note 2: Refer to working environment ambient guide GB/T4200 and WBGT, etc., the relay default settings are ON-30.0°C/OFF-29.5°C, and can be customized or set through LCD & function keys.

Accessories

TTD4N Stainless steel well A-T

TTD2N Install Flange

