



### Applications & Features

- CT-TTD1N Series are designed for indoor environment temperature measurement and control.
- High-performance digital temperature sensor and digital technology applied, ensure accurate measurement, fast response & good 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
- Light and state of art housing, easy installation
- Wide working temperature range
- All electrical terminals are on the inside bottom, avoid any possible destroy to PCB when wiring.
- LCD & function keys can set parameters and calibrate output, so that the product becomes a stand alone controller.

### Specifications

**Output:** 4~20mA, 2 wires (CT-TT1N21)

**Relay:** 1×SPST, 3A/30VDC, 3A/250VAC

**Accuracy:**  $\leq \pm 0.5^{\circ} \text{C}$  @  $0 \sim 85^{\circ} \text{C}$ , see accuracy curve

**Power:** 16~28VAC/16~35VDC

**Display & Keys:** Optional LCD display and function keys

**Display Resolution:**  $0.1^{\circ} \text{C}$

**Work Temp.:**  $0 \sim 70^{\circ} \text{C}$ , 0~95%RH (Non condensing)

**Storage Temperature:**  $-30 \sim 70^{\circ} \text{C}$

**Housing:** ABS+PC

**Protection:** IP30

**Weight:** 166g

Model	CT-TTD1N				Room Temp. transmitter/ controller
Output		1	B		4-20mA&0-10VDC 4-20mA&0-10VDC RS487/Modbus <sup>Note 1</sup>
Range		1	2	7	$0 \sim 50^{\circ} \text{c}$ $0 \sim 100^{\circ} \text{c}$ Other
Relay				0 1	N/A 1*SPST <sup>Note 2</sup>
LCD & Keys				0 1 2	N/A LCD LCD & Keys

Note 1: the communication protocol is Modbus RTU

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 also can be set through LCD & function keys.