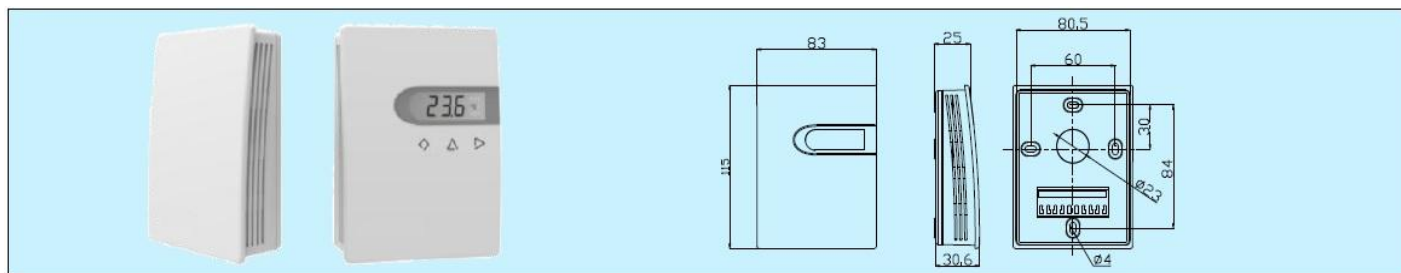


RSA-TTD1A Room Digital Temperature Transmitter/Controller



Applications & Features

- RSA-TTD1A 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 long term stability
- Multiple outputs, 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 and fast response
- 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, thus the product becomes a stand alone controller

Specifications

Sensor: Digital temperature sensor

Range: See models

Output: 4~20mA (3 wires) & 0~10VDC, RS485/ModbusNote 1

Output Load: $\leq 500\Omega$ (current), $\geq 2K\Omega$ (voltage)

Relay: 1xSPST, 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, see details on LCD & Keys operation

Display Resolution: 0.1°C

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

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

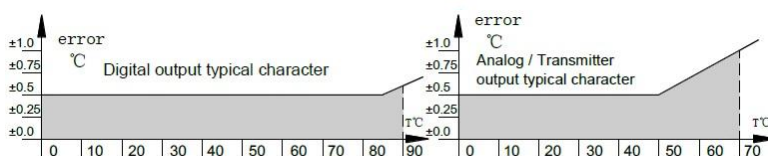
Housing: ABS+PC

Protection: IP30

Approval: CE

Optional Accuracy: 0.25°C @ $-20\sim 105^\circ\text{C}$ (Add "H" after part number)

Accuracy curve:



Models

Model	RSA-TTD1A				Room Temp. Transmitter/controller
Output		1			4-20mA&0-10VDC
		B			4-20mA&0-10VDC, RS485/Modbus Note1)
Range			1		$0\sim 50^\circ\text{C}$
			2		$0\sim 100^\circ\text{C}$
			7		Others
Relay			0		N/A
			1		1*SPST (Note 2)
LCD & Keys			0		N/A
			1		LCD
			2		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.

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