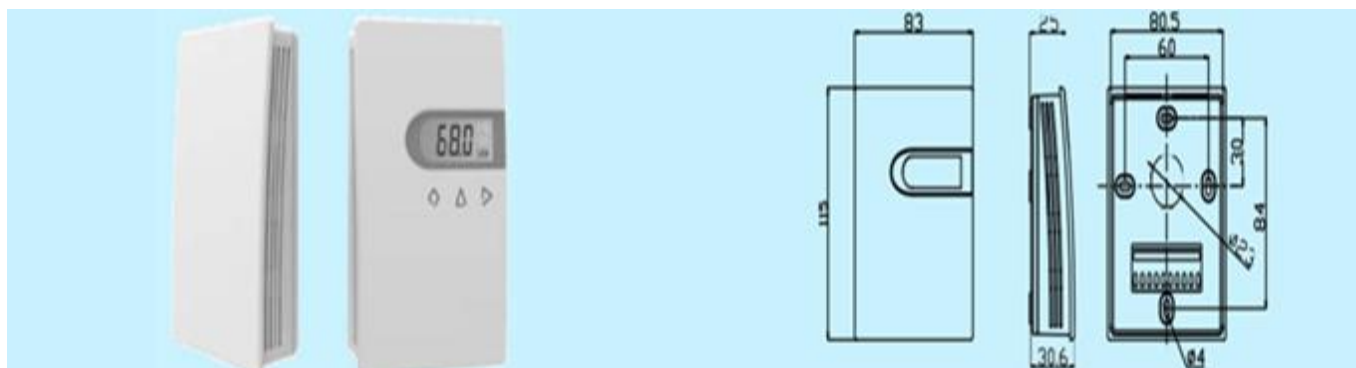


ROOM HUMIDITY & TEMPERATURE SENSOR/TRANSMITTER



APPLICATIONS & FEATURES

- Apply for indoor air T/RH measurement with good performance digital sensor & circuit. The sensor is 100% field changeable without re-calibration
- Good long-term stability, reliability, and fast response
- State of art housing. All electrical terminals are on the inside bottom, avoid any possible destroy to PCB when wiring
- Multiple outputs optional, over voltage and reverse polarity protection, and good anti-interference capability
- LCD & function keys can set parameters and calibrate output up to $\pm 5\%$, so the product can be a standalone controller

SPECIFICATIONS

Relative Humidity	Sensor: Digital polymer Range: 0~100%RH Accuracy: 2%, 3%, (25°C, 20~80%RH) Hysteresis: $<\pm 1\%$ RH Drift: $<\pm 0.5\%$ RH / year Response time: $<10s$ (25°C, in slow air) Output: 4~20mA (2 wires), 0~10VDC (3 wires), RS485/Modbus
Temperature	Sensor: Digital temperature sensor or RTD/thermistor Range: 0~50°C Output: see Models Accuracy: transmitter: $<\pm 0.4^\circ\text{C}$ (0.3°C) @ 5~60°C, see models
Power	Current: 18.5~35VDC (RL=500Ω); 8.5~35VDC (RL=0Ω) Voltage: 16~28VAC/ 16~35VDC
Output Load	$\leq 500\Omega$ (current), $\geq 2K\Omega$ (voltage)

Option Relay output	2×SPST, 3A/30VDC, 3A/250VAC
Option Display and keys	4 digits LCD, with unit indication, backlight (4-20mA N/A), 3 touch keys, see more details on LCD & Keys operation
Operating Condition	-20~70°C, 5~95%RH non-condensing
Housing	fire retardant PC(UL94V-0), IP65
Approval	CE

ORDERING

		TNDE-H1N	2	1	1	0	0	0
Product Family								
TNDE-H1N	Room RH & Temperature sensor/transmitter							
RH Accuracy								
2	±2%RH (0.3°C)							
3	±3%RH (0.4°C)							
RH Output								
1	0~10VDC (3 wires)							
2	4~20mA (2 wires)							
8	RS485/Modbus							
Temp Output								
0	No							
1	0~10VDC (3 wires)							
2	4~20mA (2 wires)							
3	PT1000, ±0.2°C@25°C							
4	PT100, ±0.2°C@25°C							
5	NTC20K, ±0.2°C@25°C							
6	Ni 1000, ±0.5°C@25°C							
7	NTC10K-II, 0.2°C@25°C							
8	RS485/Modbus							
9	NTC10K-III, 0.3°C@25°C							
A	NTC10K-A, 0.3°C@25°C							
Temp. Range								
0	No							
1	0~50°C							
7	others							
Relay								
0	No							
1	2×SPST (4-20mA N/A)							
LCD & Keys								
0	No							
1	LCD							
2	LCD & Keys							