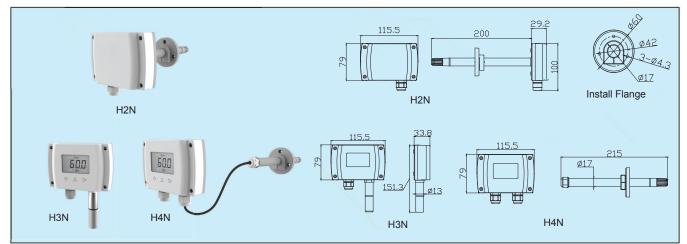
H2,3,4N Temperature & Humidity Transmitter





Applications & Features

Models

- Humidity and temperature transmitters H2N (duct), H3N (outside) and H4N (remote) are designed for environment monitoring and controlling in industrial and commercial buildings.
- High performance digital sensors and circuits, ensure accurate measurement and temperature compensation
- Digital technology applied, multiple outputs optional, over voltage and reverse polarity protection, high reliability and anti-interference capability
- LCD display temperature and humidity alternatively
- LCD & function keys can set parameters and calibrate output, so the product can be a stand alone controller
- Good long term stability and reliability
- 100% field changeable sensor without re-calibration
- Fast response
- High protection rate up to IP65

Specifications

Relative Humidity

Sensor: Digital polymer Range: 0~100%RH Output: see models Accuracy: 2%, 3%, (25°C, 20~80%RH) Hysteresis: <±1%RH Response time: <10s (25°C, in slow air) Drift: <±0.5%RH / year

Temperature

Sensor: Digital temperature sensor or RTD/thermistor Range: 0~50°C, 0~100°C, -40~60°C, or others Output: see models

Accuracy: transmitter: <±0.4°C (0.3°C)@ 5~60°C PT100/1000: <±0.2°C@25°C

Others: ±0.4°C@25°C

Power: Voltage 15~28VAC/15~36VDC

Current 7.5~36VDC

- **Output Load:** \leq 500 Ω (current), \geq 2K Ω (voltage)
- Relay output: 2×SPST, 3A/30VDC, 3A/250VAC
- Display and keys: 4 digits LCD, with unit indication, backlight (4-20mA N/A), 3 touch keys, see more details on LCD & Keys operation
- Work Temp.: -30~85°C (LCD: 0~50°C), 5~95%RH (Non condensing)

Housing: Fireproof ABS housing, UHMW-PE filter

(H2/H4N), SS probe and sintered filter (H3N) **Protection:** IP65 **Approval:** CE

	H2N							Duct mount Temp./RH transmitter
Model	H3N							Outside air Temp./RH transmitter
								Remote mount Temp./ RH
	H4N							transmitter
RH		2						±2%RH(0.3°C)
Accuracy		3						±3%RH(0.4°C)
			1					0-10VDC(3 wires)
RH			2					4-20mA(2 wires)
Output			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,±0.4°C@25°C
				6				Ni 1000, ±0.4°C@25°C
				7				NTC10K-II, 0.4°C@25°C
				8				RS485/Modbus
				9				NTC10K-III,0.4°C@25°C
				А				NTC10K-A, 0.4°C@25°C
Temp. Range					0			No
					1			0-50°C
					2			0-100°C
					3			-40-60°C
					7			others
Relay						0		No
						1	-	2×SPST(4-20mA N/A)
LCD &							0	No
Keys							1	LCD
							2	LCD & Keys by RH circuit, so the RH circuit

*H2,3,4N series current products are powered by RH circuit, so the RH circuit must be powered. Otherwise it could not work.