

PX-S2,3,4N TRANSMITTER

2021 CATALOGUE





THE PX-S2,3,4N TRANSMITTER ARE DEVICES WITH LCD & MULTIPLE OUTPUT OPTIONS. THESE DEVICES SERVES AS A TRANSMITTER WITH BUILT-IN SENSORS FOR ENVIRONMENTAL TEMPERATURE & HUMIDITY. S2N (DUCT), S3N (OUTSIDE) AND S4N (REMOTE) ARE DESIGNED FOR ENVIRONMENT MONITORING AND CONTROLLING IN INDUSTRIAL AND COMMERCIAL BUILDINGS.



GENERAL

FEATURES & SPECIFICATIONS



Electrical Features

• Input Voltage: 16~28VAC/ 16~35VDC

Power: Current: 18.5~35VDC (Rload=500Ω)

8.5~35VDC (Rload=0Ω)

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

Relay Output: 2×SPST, 3A/30VDC, 3A/250VAC

CE Approval

Environmental Limits

• Storage Temperature: -20° to 80° C

Temperature Limit: -30~70°C (LCD: -20~70°C), 5~95%RH (non condensed)

Operating Humidity: 10% to 90% RH (non-condensed)

Ambient Atmosphere: No corrosive air

Protection Level: IP65

Structure

Cooling Method: Natural air cooling

• Material: ABS housing, UHMW-PE filter (S2/S4N), SS probe and sintered filter (S3N)

• External Dimension: 115mm (L) x 83mm (W) x 30.6mm (H)

 External Dimension: 115mm (L) x 83mm (W) x 30.6f Net weight: S2N:360g; S3N:270g; S4N:430g 								
								Duct mount Temp./RH
Model	S2N							transmitter
	S3N							Outside air Temp./RH
	3314							transmitter
	S4N							Remote mount Temp./ RH
								transmitter
RH		2						±2%RH(0.3°C)
Accuracy		3						±3%RH(0.4°C)
RH			1					0~10VDC(3 wires)
Output			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, ±0.2°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
				Α				NTC10K-A, 0.3°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

Display

· Display and Keys: 4 digits LCD, with unit indication, backlight, 3 touch keys

• Display Resolution: 0.1°C, 0.1%RH

Sensors

Relative Humidity

• Sensor: Digital polymer

Range: 0~100%RH

Output: (see table)

Accuracy: 2, 3%RH (25°C, 20~80%RH)

Hysteresis: <±1%RH

Response time: <10s (25°C, in slow air)

Drift: <±0.5%RH/year

Temperature

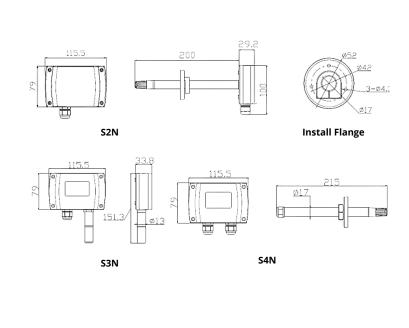
Sensor: Digital, RTD or thermistor, (see table)

Range: 0~50°C, 0~100°C, -40~60°C, or others

Output: (see table)

Accuracy: transmitter: <±0.4°C(0.3°C)@5~60°C, (see table)

RTD/thermistor: 0.2~0.5°C@ 25°C, (see table)



- S2,3,4N series current products are powered by RH circuit, so the RH circuit must be powered. Otherwise, it could not work.
- Only when the temperature output is 1 or 2, the temperature range 1-7 is applicable. Otherwise, always use 0 as temperature range selection.