

Model JWSK-6

Rigorous Industry Temp. & Hum. Transmitter



DESCRIPTION

The model JWSK-6 series product is a temperature and humidity transmitter in the industrial fields with high acquisition, wide temperature and air dust environment. It converts the temperature and humidity of air to stand electrical signals (e.g. 4-20mA, 0-5VDC, RS-232/485) for auto control system or remote data acquisition system. It's extensively used for fields such as smart building, factory, telecommunication, electric power, petrification, environmental protection, papermaking, metallurgy, foodstuff, medical treatment etc.

PERFORMANCE SPECIFICATIONS

Power voltage	24VDC (18-30VDC) 24VAC (18-30VAC)
Accuracy (25℃)	Temperature: $\pm 0.5^{\circ}\text{C}$ ($-40^{\circ}\text{C}\sim 120^{\circ}\text{C}$) Humidity: $\pm 3.0\% \text{RH}$ or $\pm 2.0\% \text{RH}$
Output	Current two-wire 4ma to 20mA (Load < 500Ω); Voltage 0-5VDC, (Load > 1KΩ);
Response time	<15s (wind speed >1m/s)
Long-term stability	Temperature: <0.1℃/year, Humidity: <1% RH/year
Operating environment	-20℃~70℃ for transmitter, and -40℃~120℃ for sensor. 5% RH~95% RH
Mounting dimension	Wall-mounted 117mm x 86mm x 41mm (White ABS)

FEATURES

- Wall mount or Duct mount Industrial Transmitter
- $\pm 0.5^{\circ}\text{C}$, $\pm 3.0\% \text{RH}$ or $\pm 2.0\% \text{RH}$ Accuracy
- Wide temperature fields, $-40\sim 120^{\circ}\text{C}$
- Current Three-wire 4-20mA, 0-5Vdc, RS-232/485
- CE and Exia II CT6 Certifications

ORDER CODES

JWSK-6		
	I1	Current three-wire 4ma to 20mA
	V1	Voltage three-wire 0 to5VDC
	V2	Voltage three-wire 0 to10VDC
	M1	Wall mount
	M2	Duct mount
	M3	Wall mount with display
	M4	Duct mount with display
	S1	normal sensor (only M1)
	S2	protected sensor
	S3	protected sensor with flange or screw thread (M22x1.5), (only M2)
	S4	divided protected sensor with 1 meter cable
	S5	divided protected sensor with 2 meter cable
	S6	divided protected sensor with 5 meter cable
	S7	divided protected sensor with 10 meter cable
	R1	0-50℃
	R3	-20~70℃
	R4	-40~120℃ (S4~S7)
	A1	$\pm 2.0\% \text{RH}$
	A2	$\pm 3.0\% \text{RH}$

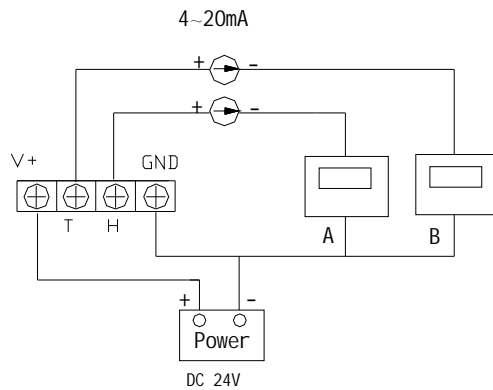
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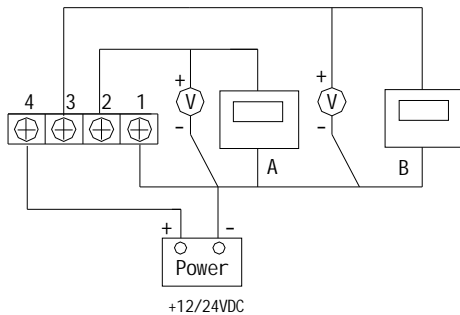
ELECTRICAL CONNECTION

Code	1(Black)	2(Blue)	3(Yellow)	4(Red)
I1	+24V	Hum.	Temp.	+24V
V1	GND	Hum.	Temp.	+24V
C1	GND	485-(B)	485+(A)	+24V
C2	GND	232Tx	232Rx	+24V

- Current three-wire 4ma to 20mA(JWSK-6I1)



- Voltage three-wire 0 to 5VDC(JWSK-6V1)



NOTES

- The transmitter should be installed in a steady area , avoid from direct sunshine, kept away from windows, air conditioning and central heating system etc. And it should not be installed on the wall which temperature value changed more than over 10°C quickly.
- The transmitter must be preventing from the chemical agent, oil, dust and dew and ice condition. And you must avoid using the product in the condition that the temperature changed from hot to cool or contrarily.

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MOUNTING DIMENSION

