



2% WALL, DUCT AND OSA HUMIDITY TRANSMITTERS A/RH2 SERIES



DESCRIPTION

The **ACI A/RH2 Series Relative Humidity Transmitters** utilize a capacitive sensing element to deliver a proportional 4 to 20 mA, 0 to 5 VDC, or 0 to 10 VDC output. It is available for room, duct, outside, and stainless steel wall plate applications. The **A/RH2 Series** has on board DIP switches which allow the user to select the desired output signal and can be powered by AC or DC power sources.

Each **A/RH2 Series** humidity transmitter is calibrated using a NIST Traceable Temperature/Humidity Chamber. Three and five point NIST calibration certificates are available and optional.

FEATURES

- Popular room housing
- Five-year warranty
- Duct and OSA twist-off NEMA 4 housing
- 24 VDC or 24 VAC power
- Field selectable current or voltage outputs
- Single point field calibration
- Optional temperature sensor

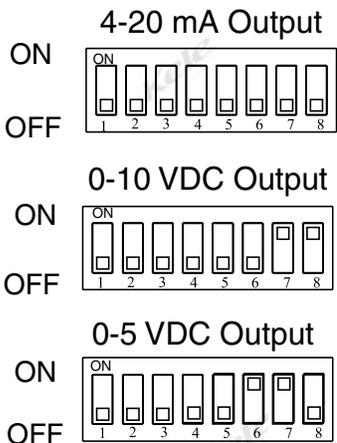


SPECIFICATIONS

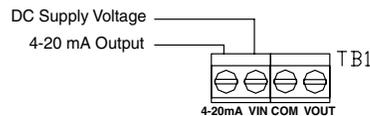
Accuracy	±2% @ 77°F (25°C) from 10% to 95%	Dimensions Room	3.8"H x 2.8"W x 0.9"D (9.8 x 7 x 2.3 cm)
Stability	±2% RH/5 years	Duct	3.6" (9 cm) Ø head with 8.15"L (20 cm) probe 0.75" (1.9 cm) Ø
Supply Voltage	12-40 VDC or 18-28 VAC	OSA	3.6" (9 cm) Ø head with 3.0"L (7.6 cm) probe 1.4" (3.6 cm) Ø
Signal Output	4-20 mA @ 300Ω, 0-5/10 VDC @ 4kΩ min, (field selectable) except SP 0-5/10 VDC only	Weight Room	0.22 lb (0.1 Kg)
Measurement Range	0% to 100%	Duct	1.2 lb (0.54 Kg)
Sensing Technology	Capacitive	OSA	0.6 lb (0.27 Kg)
Operating Temperature Room	32° to 122°F (0° to 50°C)	SP	0.2 lb (0.09 Kg)
Duct/OSA	-40° to 140°F (-40° to 60°C)	Approvals	CE, RoHS
Enclosure Room	Plastic Delta-style	Warranty	5 years
Duct/OSA	Plastic weatherproof		

WIRING

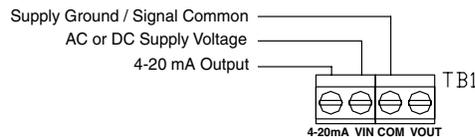
Output Selection Switches (SW 1)



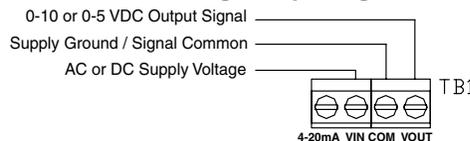
2 Wire Current Output Signal



3 Wire Current Output Signal



Voltage Output Signal



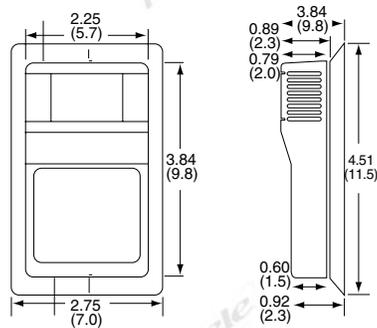


HUMIDITY

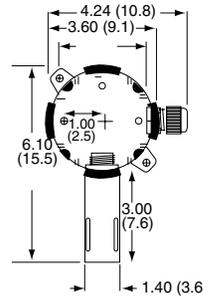
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DIMENSIONS

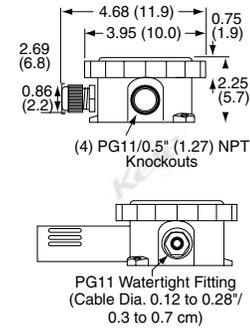
in
cm



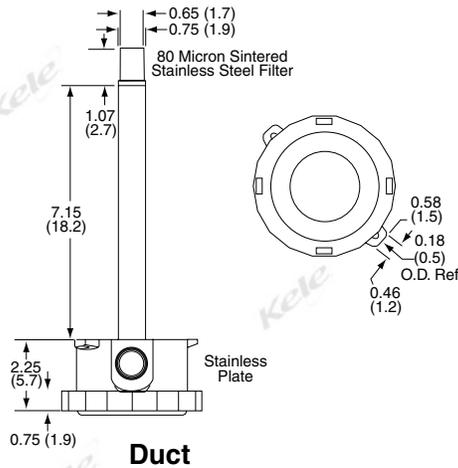
Room



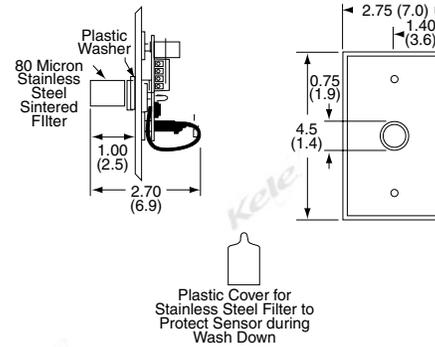
Outside



Stainless Plate



Duct



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HUMIDITY

ORDERING INFORMATION

MODEL	DESCRIPTION
A/RH2	2% accuracy humidity transmitter (default = 4-20 mA)
OPTIONAL	
AN	Type III 10,000Ω thermistor
CP	Type II 10,000Ω thermistor
20K	20,000Ω thermistor
100	100Ω 385 PT RTD
1K	1,000Ω 385 PT RTD
REQUIRED	
R	Room
D	Duct
O	Outside air
SP	Stainless steel plate passive sensors only

A/RH2 - 100 - R Example: A/RH2-100-R A 2% accuracy room humidity transmitter with 100Ω RTD

RELATED PRODUCTS

DCP-1.5-W
DCPA-1.2
691-K0A

Power supply, 24 VAC IN to 24 VDC OUT
Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
Control transformer, 120:24 VAC, 40 VA, Class 2