

HUMIDITY



3% DUCT / OSA HUMIDITY TRANSMITTERS MODEL HD10K



DESCRIPTION

Model HD10K Duct/OSA Humidity Transmitters have been specifically designed for use in HVAC/BAS applications. These instruments measure relative humidity from 0% to 100%. They are easily installed in air ducts or mounted outside using the Model WMK-20 outside wall-mounting kit.

An integral feature of these transmitters is the INTER-CAP sensing element. This sensor exhibits fast response and long-term stability. The sensor probe is completely removable from the wiring box. This feature makes field replacement of the sensing element quick and simple with no calibration ever required.



FEATURES

- **0% to 100% RH measurement**
- **±3% accuracy (0% to 90% RH)**
- **State-of-the-art RH sensor technology**
- **Completely interchangeable RH sensors**
- **No calibration required**
- **Two-wire, 4-20 mA output**
- **Excellent long-term stability**
- **Continuous measurement**

SPECIFICATIONS

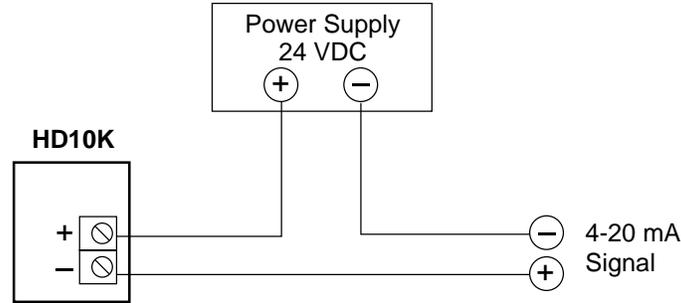
Input voltage	24 VDC ±20%	Temp coefficient	±0.04% RH/°C (temperature compensated)
Output signal	4-20 mA (500Ω max load)	Response time	90% in 5 sec
Output range	0% to 100% RH	Measuring range	0% to 100% RH
Connections	Screw terminals (20-16 AWG)	Operating range	-4° to 140°F (-20° to 60°C)
Sensor	Capacitive INTERCAP, plug-in sensor (no calibration required)	Housing material, duct-mounted box	Gray cast aluminum exterior, NEMA 4 (Class IP55)
Sensor protection	0.5 micron membrane filter	Probe	Removable replaceable sensor
Stability	±1% RH/year	Weight	2.1 lb (0.95 kg)
Accuracy	±3% @ 0% to 90% RH ±4% @ 90% to 100% RH		

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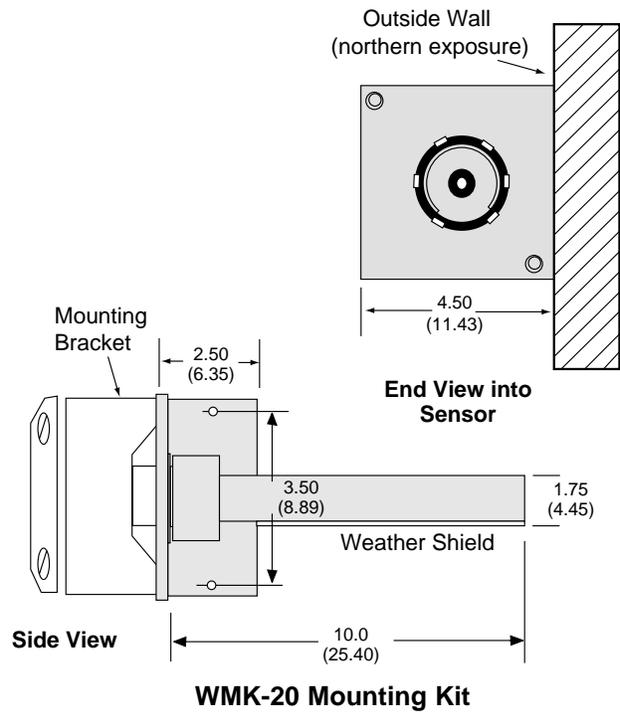
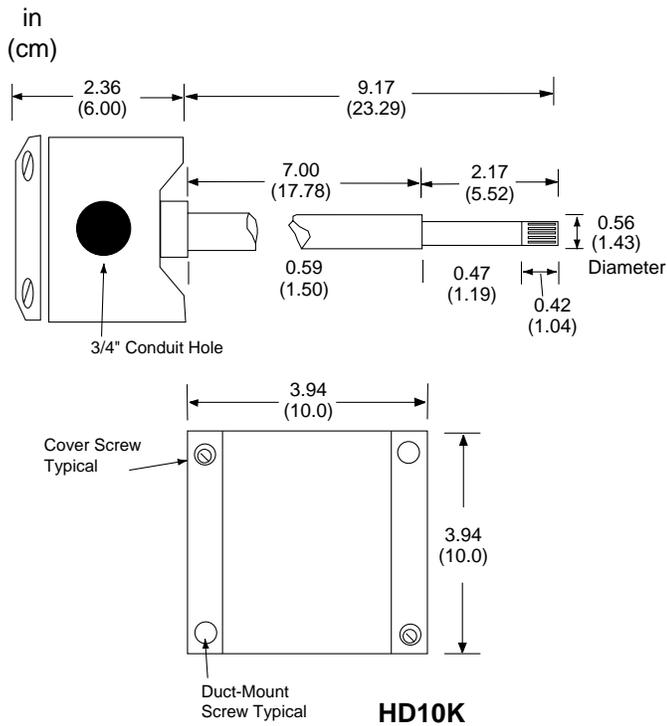


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WIRING



DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
HD10K	3% Duct Humidity Transmitter
WMK-20	OSA Weather Shield and Wall Kit
EL3K	Replaceable Humidity Element