# HUMIDITY

## 2% WALL, DUCT AND OSA HUMIDITY TRANSMITTERS H\_20K SERIES

#### DESCRIPTION

The **Kele Series H\_20K Humidity Transmitters** have been specifically designed for use in HVAC/BAS applications. These instruments measure relative humidity from 5% to 90% RH with 2% accuracy and produce a two wire 4-20 mA linear output. All are available with an optional passive RTD or thermistor. The duct and OSA versions may also be fitted with a 4-20mA temperature transmitter.

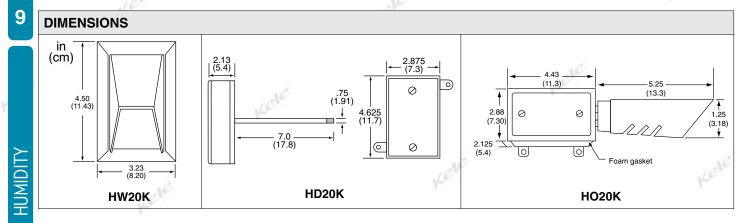
#### APPLICATION

The temperature compensated circuitry converts the relative humidity into a 4-20 mA signal. The optional temperature sensors, RTDs or thermistors, offer direct connection to most automation systems. On duct and OSA units, an optional 4-20 mA temperature transmitter may also be employed and is rangeable from -30° to 250°F (-34° to 121°C).



### FEATURES

- 2% accuracy (5% to 90%)
- Two-wire, 4-20 mA RH output
- Optional temperature thermistor
- Optional temperature RTD
- Optional temperature 4-20mA (duct or OSA)

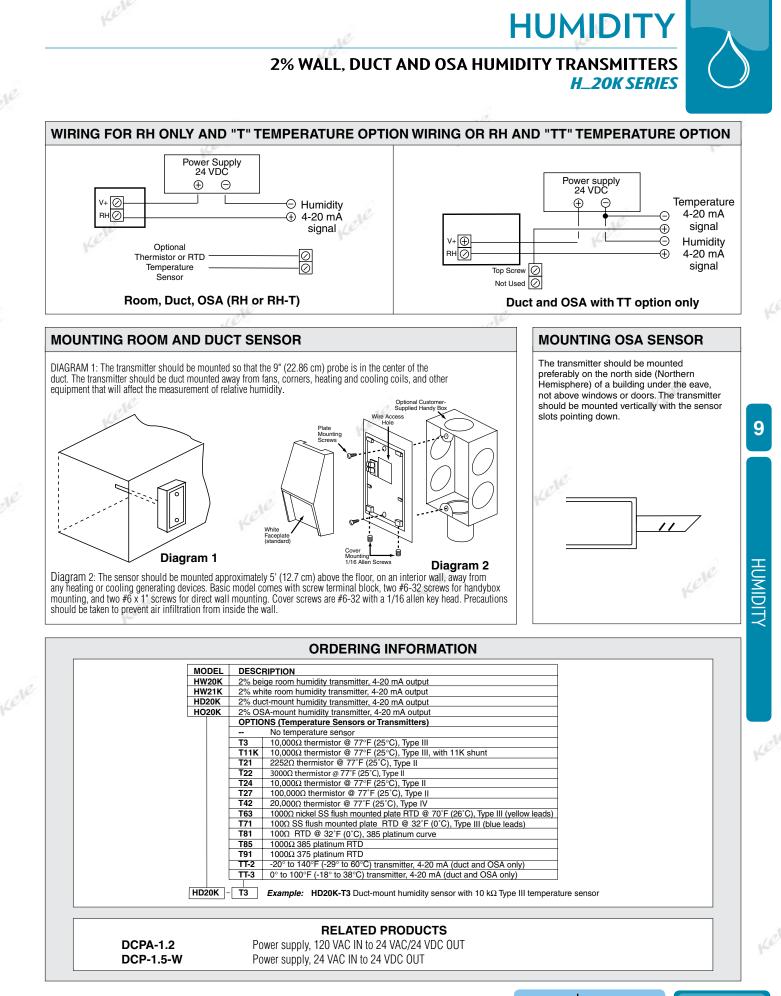


#### **SPECIFICATIONS**

Accuracy	2% RH @ 73°F (23°C) from 5% to <b>Operating Temperature</b> -20° to 158°F (-29° to 70°C)		· · · · · · · · · · · · · · · · · · ·
	90% RH; (0-5% & 90%-100%) add 3%	Operating Humidity Enclosure Rating	0-100% RH non-condensing
Stability	0.5% drift per year	Room	NEMA 1, Beige plastic
Thermal Effect	0.07% per °F	Duct/OSA	NEMA 4, weather resistant cast
Supply Voltage	9.5-28 VDC, loop powered	ale.	aluminum
Signal Output	4-20 mA @ 750Ω, optional	Wiring Terminations	Terminal block (22 to 16 AWG)
	thermistor, RTD	Weight	
Measurement Range		Room	0.3 lb (0.09 Kg)
RH	0-100%	Duct	1.14 lb (0.52 Kg)
Temperature	-20° to 140°F (-29° to 60°C)	OSA	1.14 lb (0.52 Kg) 1.2 lb (0.54 Kg)
	(see ordering information)	Approvals	RoHs
Sensor Protection	1013	Warranty	1 year
(Duct and OSA)	Plastic filter		

877-826-9037 USA kele.com

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