

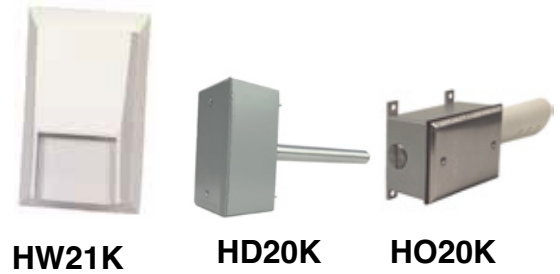
H_20K SERIES

2% WALL, DUCT, AND OSA HUMIDITY TRANSMITTERS
HUMIDITY
BRAND: KELE



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.



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.

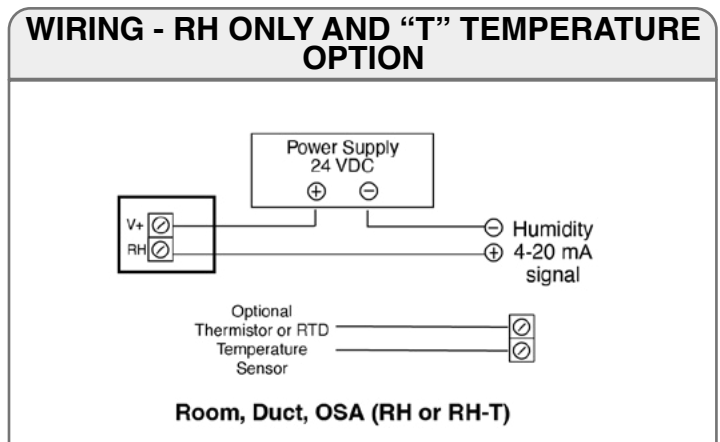
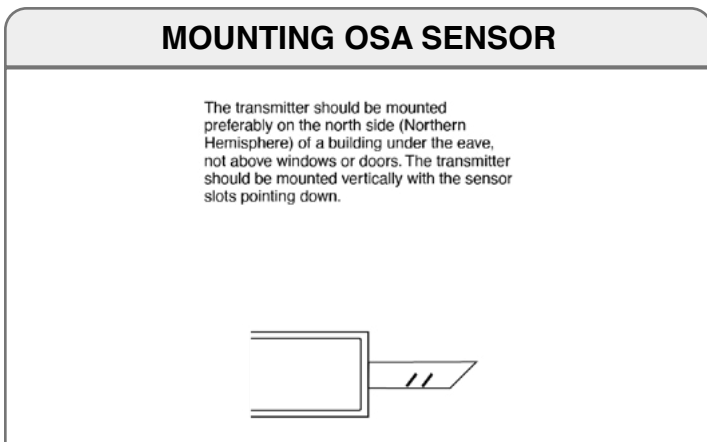
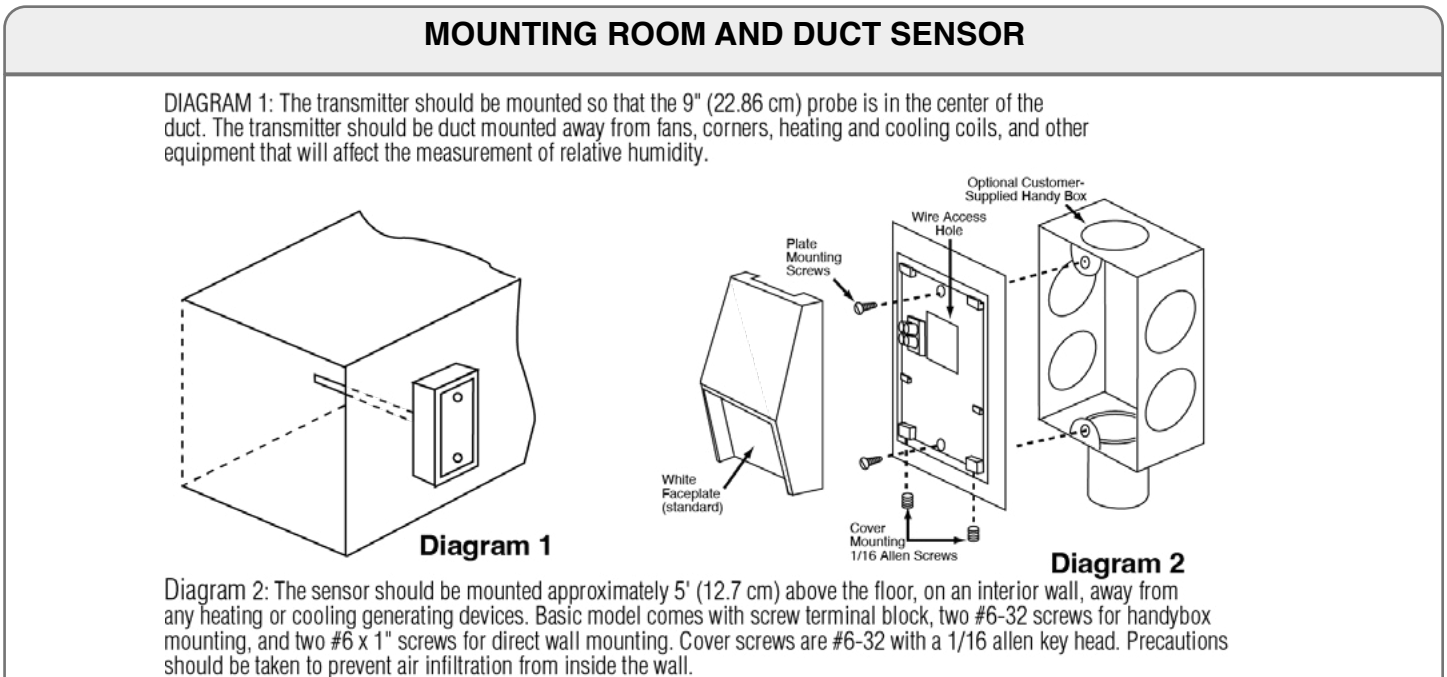
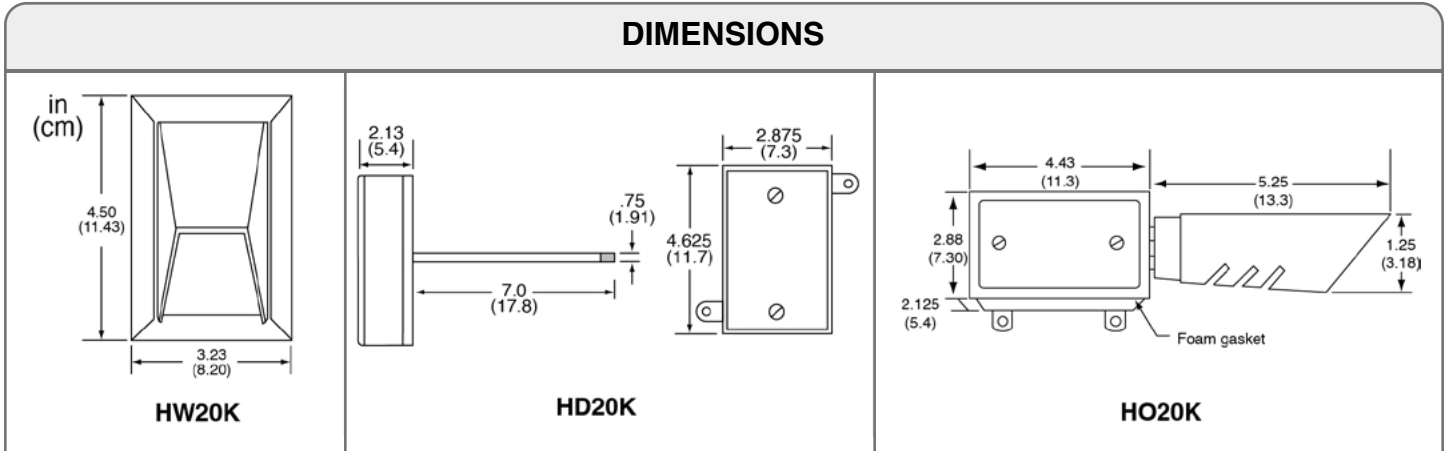
Features

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

SPECIFICATIONS			
Accuracy	2% RH @ 73°F (23°C) from 5% to 90%RH; (0-5% & 90%-100%) add 3%	Operating Temperature	-20° to 158°F (-29° to 70°C)
Stability	0.5% drift per year	Operating Humidity	0-100% RH non-condensing
Thermal Effect	0.07% per °F	Enclosure Rating	
Supply Voltage	9.5-28 VDC, loop powered	Room	NEMA 1
Signal Output	4-20 mA @ 725Ω, optional thermistors, RTD	Duct/OSA	NEMA 4, weather resistant cast aluminum
Measurement Range		Wiring Terminations	Terminal block (22 to 16 AWG)
RH	0-100%	Weight	
Temperature	-20° to 140°F (29° to 60°C)	Wall	0.3 lb (0.09 Kg)
Sensor Protection	HDPE FGX filter (duct and OSA)	Duct	1.14 lb (0.52 Kg)
		OSA	1.2 lb (0.54 Kg)
		Approvals	RoHS
		Warranty	1 year

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ORDERING

MODEL	DESCRIPTION
HW20K	2% beige room humidity transmitter, 4-20 mA output
HW21K	2% white room humidity transmitter, 4-20 mA output
HD20K	2% duct-mount humidity transmitter, 4-20 mA output
HO20K	2% OSA-mount humidity transmitter, 4-20 mA output
OPTIONS (Temperature Sensors or Transmitters)	
--	No temperature sensor
T3	10,000Ω thermistor @ 77°F (25°C), Type III
T11K	10,000Ω thermistor @ 77°F (25°C), Type III, with 11K shunt
T21	2252Ω thermistor @ 77°F (25°C), Type II
T22	3000Ω thermistor @ 77°F (25°C), Type II
T24	10,000Ω thermistor @ 77°F (25°C), Type II
T42	20,000Ω thermistor @ 77°F (25°C), Type IV
T63	1000Ω nickel RTD @ 70°F (26°C)
T81	100Ω RTD @ 32°F (0°C), 385 platinum curve
T85	1000Ω 385 platinum RTD

HD20K - T3 *Example:* HD20K-T3 Duct-mount humidity sensor with 10 kΩ Type III temperature sensor

RELATED PRODUCTS

DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT
DCPA-1.2	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT