



HUMIDITY

ROOM, DUCT, AND OSA 5% HUMIDITY TRANSMITTERS KHS SERIES

DESCRIPTION

The Kele KHR, KHD, and KHO Series humidity transmitters are specifically designed for use in HVAC/BAS applications. These instruments measure relative humidity from 0% to 100%. The standard two-wire, 4-20 mA output provides low-cost humidity monitoring for building control. The RH transmitters are available with thermistor or RTD temperature sensors. They come in room (KHR), duct (KHD), and OSA (KHO) mounting styles.

FEATURES

- 0% to 100% RH measurement
- 2% accuracy (5% to 90% RH)
- Attractive room enclosure design
- Two-wire, 4-20 mA output

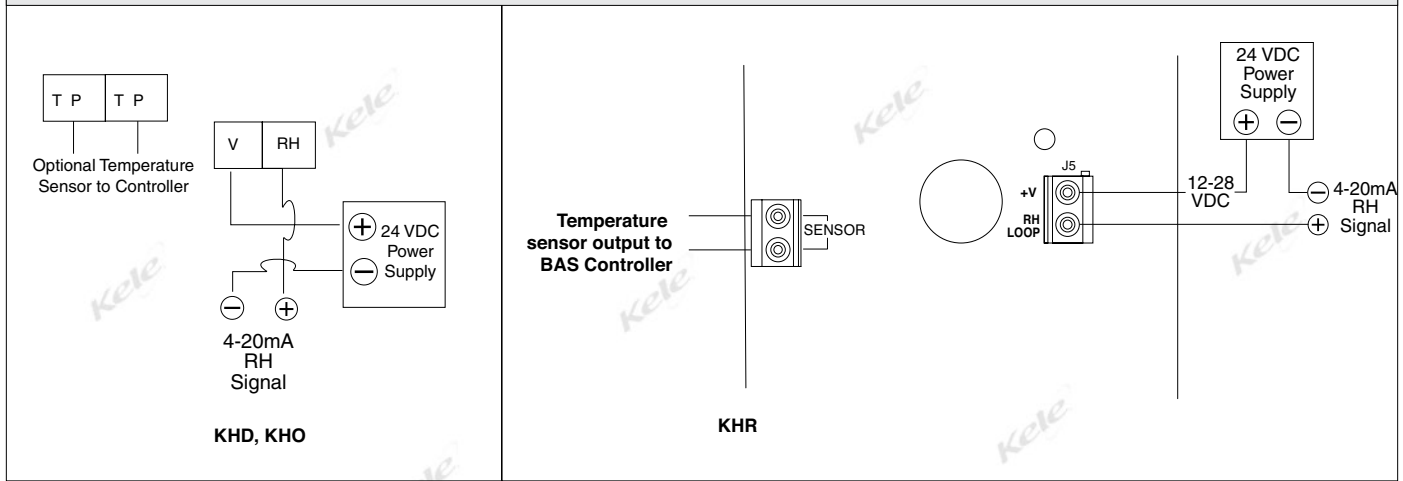


SPECIFICATIONS

Accuracy	5% RH @ 73°F (23°C) from 5% to 90% RH; (0%-5% & 90%-100%) add 5% <±0.5% drift per year	Enclosure Rating	
Drift	<±0.5% drift per year	KHR	White plastic, UL94HB
Thermal Effect	0.07%/°F	KHD	Metal handy box
Supply Voltage	9.5- 28 VDC, loop powered	KHO	NEMA 3R plastic box
Signal Output	4-20 mA @ 725Ω at 24 VDC, Passive temperature output: All Kele standard thermistors and RTDs	Probe	
Sensing Technology	Capacitive, HDPE F6X Filter (Duct & OSA Only)	KHD	1/2" aluminum tube with HDPE FGX filter, 6" (15 cm) long
Operating Temperature	-20° to 158°F (-29° to 70°C)	KHO	1/2" aluminum tube with HDPE FGX filter
Operating Humidity	0-100% non-condensing	Wiring Terminations	Screw terminals
		Weight (without options)	
		KHR	0.2 lb (0.09 Kg)
		KHD	1.2 lb (0.54 Kg)
		KHO	0.5 lb (0.23 Kg)
		Approvals	RoHS
		Warranty	1 year

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WIRING - KHD, KHO AND KHR

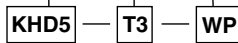




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ORDERING INFORMATION

MODEL DESCRIPTION	
KHD5	Duct mounted 5% humidity transmitter
KHO5	Outside air 5% humidity transmitter
KHR5	Wall mounted room/space 5% humidity transmitter
Optional temperature ranges	
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
T27	100,000Ω thermistor @ 77°F (25°C), Type II
T42	20,000Ω thermistor @ 77°F (25°C), Type IV
T81	100Ω RTD @ 32°F (0°C), 385 platinum curve
T85	1000Ω RTD @ 32°F (0°C), 385 platinum curve
T91	1000Ω RTD @ 32°F (0°C), 375 platinum curve
OPTIONS	
CL1	Custom one color logo, KHR5 only
XJ1	RJ11 externally-accessible communication jack (CCRJ11AD required), KHR5 only
XJ2	Internal RJ11 communication jack, KHR5 only
XLED	LED indicator lamp 24V AC/DC green, KHR5 only
XMB	Momentary pushbutton switch, jumpered across sensor or pot (JP1), KHR5 only
WP	Weatherproof housing, KHD5 only



Example: KHD5-T3-WP Duct mounted 5% humidity transmitter with 10,000Ω thermistor @ 77°F (25°C), Type III and weatherproof housing

RELATED PRODUCTS

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