

HUMIDITY



5% HUMIDITY TRANSMITTERS MODELS LCH-R, LCH-D

DESCRIPTION

Models LCH-R and **LCH-D** are low cost, general-purpose humidity transmitters that utilize capacitance technology. Wide range and good accuracy make these ideal humidity transmitters for locations where $\pm 5\%$ RH readings are required. The sensors are designed for indoor applications where relatively stable temperature conditions exist. The sensors should not be exposed to vapors, such as acetone, that attack plastics.

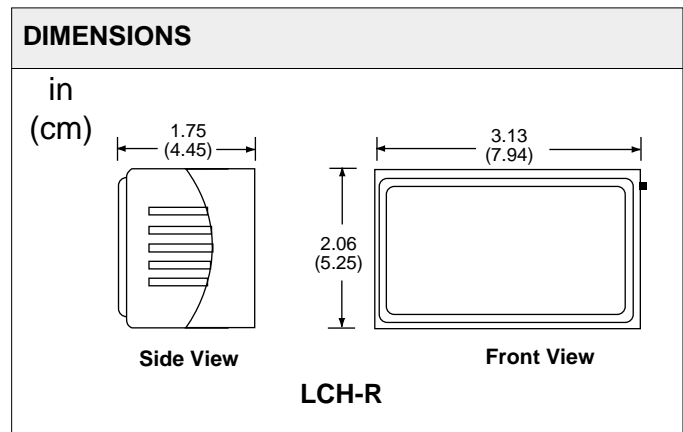
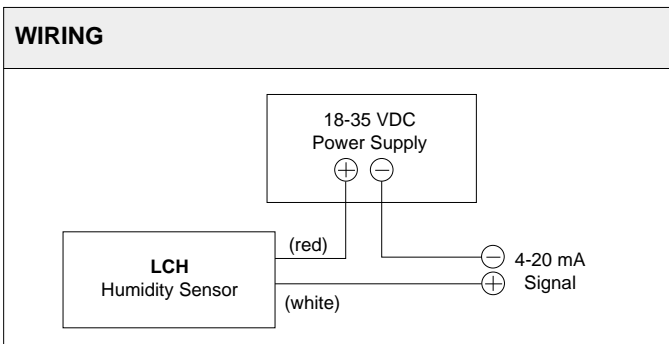
FEATURES

- **Fast response**
- **$\pm 5\%$ accuracy (10% to 90% RH)**
- **Humidity span 0% to 100%**
- **4-20 mA signal**
- **Highly stable**
- **One-year warranty**



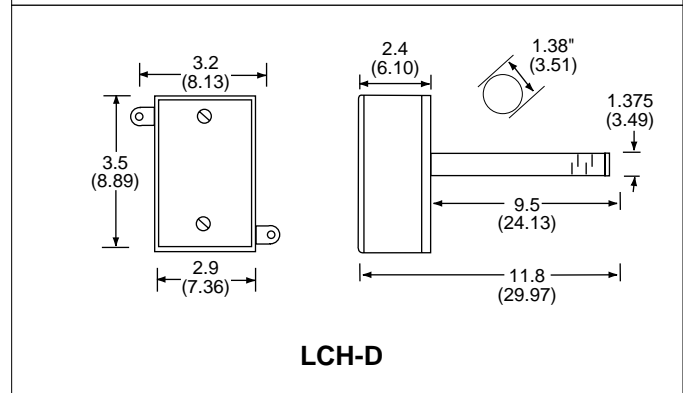
LCH-R

LCH-D



SPECIFICATIONS

Output range	0% to 100%
Accuracy	$\pm 5\%$ (10% to 90% RH)
Linearity	$\pm 3\%$
Hysteresis	$< 3\%$ (10% to 90% RH)
Temp dependence	0.2% RH per $^{\circ}\text{C}$
Operating temp	32 $^{\circ}$ to 122 $^{\circ}\text{F}$ (0 $^{\circ}$ to 50 $^{\circ}\text{C}$), 0% to 100% RH noncondensing
Transmitter output	4-20 mA DC two-wire (0% to 100%)
Power requirement	18-35 VDC
Max external load	600 Ω @ 24 VDC
Weight	1 lb (0.45 kg)



ORDERING INFORMATION

MODEL	DESCRIPTION
LCH-R	Space Humidity Transmitter, 4-20 mA Output
LCH-D	Duct Humidity Transmitter, 4-20 mA Output