



RH LCD

Humidity Sensor with LCD

The ACI Relative Humidity with LCD utilizes a thermoset polymer capacitive sensing element with integral hydrophobic filter to deliver a proportional analog current or voltage output with long term reliability. The styling of the white, wall mounted enclosure with hinged cover makes it suitable for use in a wide variety of applications. The ACI RH LCD series products can be powered with either an AC or DC supply voltage and features a large, backlit display which improves the overall visibility of the display. Other features include onsite field calibration through a single point offset through the programming of the device using the integral keypad.

All units must be ordered with one of the supported output signals of 4-20 mA, 0-5 VDC, or 0-10 VDC. For additional options, including temperature, set point, override, fan and system settings, please see the A/TUCH2 product data sheet.

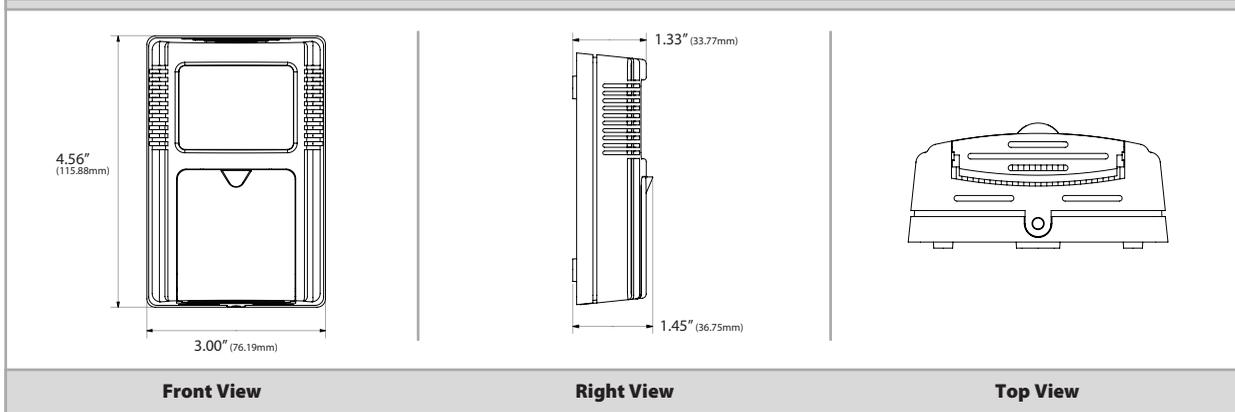
Applications: Local Humidity Display, Hospitals and Operating Rooms, Pharmaceutical Labs, Clean Rooms, ESD Static Control, Humidification, Dehumidification

PRODUCT SPECIFICATIONS

Supply Voltage:	+12-40 VDC (0-5V) +18-40 VDC (0-10V, 4 to 20 mA) 20-28 VAC (All Outputs)
Supply Current:	Current Output: 30 mA maximum Voltage Output: 16 mA maximum
Analog Outputs:	0-5 VDC, 0-10 VDC, or 4-20 mA
RH Measurement Range:	0% to 100% RH
RH Accuracy at 77°F (25°C):	+/- 2%, +/- 3%, +/- 5% from 10 to 95% RH
Operating Temperature Range:	32°F to 104°F (0°C to 40°C)
Operating Relative Humidity Environment:	0 to 95% Relative Humidity (non-condensing)
Sensor Type:	Capacitive
Product Dimensions:	(H) 4.56" (115.88 mm) x (W) 3.00" (76.19 mm) x (D) 1.45" (36.75 mm)



DIMENSIONAL DRAWING



STANDARD ORDERING

Model # Example: **A/RH2-R-LCD-010** -OR- **131759**

Model #	Item #	Description
A/RH2-R-LCD-010	131759	Humidity, +/-2%, Room, Display, 0 to 10 VDC Output, 4 Button Membrane
A/RH2-R-LCD-05	131760	Humidity, +/-2%, Room, Display, 0 to 5 VDC Output, 4 Button Membrane
A/RH2-R-LCD-420	131761	Humidity, +/-2%, Room, Display, 4 to 20 mA Output, 4 Button Membrane
A/RH3-R-LCD-010	131765	Humidity, +/-3%, Room, Display, 0 to 10 VDC Output, 4 Button Membrane
A/RH3-R-LCD-05	131217	Humidity, +/-3%, Room, Display, 0 to 5 VDC Output, 4 Button Membrane
A/RH3-R-LCD-420	131715	Humidity, +/-3%, Room, Display, 4 to 20 mA Output, 4 Button Membrane
A/RH5-R-LCD-010	142795	Humidity, +/-5%, Room, Display, 0 to 10 VDC Output, 4 Button Membrane
A/RH5-R-LCD-05	131763	Humidity, +/-5%, Room, Display, 0 to 5 VDC Output, 4 Button Membrane
A/RH5-R-LCD-420	131764	Humidity, +/-5%, Room, Display, 4 to 20 mA Output, 4 Button Membrane

Note: RH-LCD Model numbers come with a standard 4 Button Membrane (On/Off/Setup/Select)