

Room Temperature & Humidity Transducer LX-RHTE-R-AP

The relative humidity and temperature transducer LX-RHTE-R-AP is intended specifically for use in indoor air quality monitoring and control systems. The state-of-the-art design combines microprocessor based linearization and temperature correction with a world class capacitance sensor, resulting in reliable and accurate measurements.

Details

LX-RHTE-R-AP is a humidity and temperature transducer for interior spaces. Excellent long-term stability and quick response time combined with temperature compensation make the product an ideal choice for HVAC applications. The room humidity and temperature sensor LX-RHTE-R-AP offers accuracy of 2%.

- Temperature compensated humidity measurement
- Highly stable RH sensor element
- Accuracy $\pm 2\%$
- Humidity span 0% to 100%
- 0-10 VDC outputs
- Fast response time
- Compact enclosure

Order Code

LX-RHTE-R-AP



Technical Data

Sensor Type (Temperature):	Pt1000 type resistance temperature detector
System Accuracy:	$\pm 2\%$ RH, 0 % to 90% RH
System Accuracy:	$\pm 0.5^\circ\text{C}$ @ 25°C
Measured Range (RH):	0 - 100 %
Measured Range (Temp):	0 - 50°C
Output Signal Types:	0-10 VDC
Operating Humidity:	0 - 100% RH non condensing
Operating Temperature:	0 to 50°C
Stability:	$\pm 5\%$ RH typical in 2 years.
Power Supply:	24VDC/AC (15 - 28 V)
Size:	85mm (W) x 85mm (H) x 26mm (D)
Casing:	ABS, IP20
Manufacturing Process:	ISO9001