LONIX AUTOMATION

Duct Temperature & Humidity Transducer LX-RHTE-D

The duct humidity and temperature transducer LX-RHTE-D is designed for use in HVAC automation, energy management and process control and monitoring systems.

- Temperature compensated humidity measurement
- Highly stable RH sensor element
- Accuracy of ±2% ,±3% or ±5%
- Humidity span 0% to 100%
- 0-10 VDC outputs
- Fast response time
- Compact ABS enclosure
- Resistant to volatile organic compounds

Details

The duct humidity and temperature transducer is intended specifically for use in environmental monitoring and control systems. Its state-of-the-art design combines microprocessor based linearization and temperature correction with a world class capacitance sensor. LX-RHTE-D offers reliability and accuracy for even the most demanding applications.

Excellent long-term stability and quick response time combined with temperature compensation make the product an ideal choice in the HVAC market.

Order Code

LX-RHTE-D

Technical Data

Sensor Type (Temperature):	Pt1000 type resistance temperature detector
Compensated Temperature:	-40℃ to 85℃
System Accuracy:	± 2,3,or 5%RH (by default: 3%), 5 % to 95% RH
Output Signal Types:	4-20mA *Note: all output signals are scaled 0-100%RH* 0-10 VDC
Stability:	±1% RH typical at 50% RH in 5 yrs.
Repeatability:	± 0.5% RH
Hysteresis:	± 1% of span max
Linearity:	± 0.5% RH typical
Response Time:	15 seconds @ 25℃
Power Supply:	24VDC/AC (18- 35 V)
Wiring Connections:	Screw Terminals
Sensor Construction:	Thermoset Polymer based capacitive
Protection:	60 micron HDPE cover
Enclosure:	IP65
Manufacturing Process:	ISO9001

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