

Digital Transmitter with Relative Humidity and Temperature Sensor (Option –RHT)

Dimensions:	Size	5.0" X 5.0" X 3.0" (127 mm x 127 mm x 76 mm)
	Weight	14 oz / 400 g
Construction:		Black ABS / Polycarbonate blend, water/dust tight, corrosion resistant
Sensor Type:		Relative Humidity and Temperature
System Power:		4-wire: 16-30 VDC, 3W, Class 2 4-wire: 12-27 VAC, 50-60 Hz, 3 VA, Class 2
Operating Temperature:		0°C to +40°C (32°F to 104°F) 0 %RH to 100 %RH
Operating Humidity:		15 to 90% non-condensing, powered
Display:		LCD digital display, 2 line x 16 character, backlit, user selectable units (°C or °F)
Communication		BACnet® MS/TP (version 1 rev 14) RS-485, or Modbus® RTU (version 1.1b3) RS-485
Relay:		Optional SPDT relay rated 30 volts, 2 amp max (Option –RLY)
Audible:		none
Update Rate		1/s
Energy Efficiency		Low supply voltage and low power consumption
Compliance		ROHS and WEEE compliant, Halogen Free
Warm-up Time		3 min after power up (to full operation)
Temperature Resolution		0.1 °C / °F
Humidity Resolution		1.0 %RH
Long Term Stability		1.2 %RH for five years; 0.25 %RH each year
Accuracy		±3.5 %RH
Safety:		Automatic resetting thermal overload fuse (reset capabilities to 500 times)
Wiring:		VDC or VAC (ground referenced) 4-conductor shielded, 16 AWG stranded within conduit, network wiring (daisy-chain)
Certifications: (tested to)		CSA: C22.2 NO.205-12, UL: UL508 (Edition 18): 2018 CE: EMC Directive 2014/30/EU, EN50270:2015, Type 1, EN61010 Listed by BTL RoHS compliant circuit boards This device complies with part 15 of the FCC Rules
Note:		Never install in the direct path of moving air.

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