

Analog Transmitter with Relative Humidity or Temperature Sensor (Option –RHT)

Dimensions:	Size	5.0 x 5.0 x 3.0 in (127 x 127 x 76 mm) without optional splash guard (Option –S)
	Weight	14 oz / 400 g
Construction:		Black ABS / Polycarbonate blend, water/dust tight, corrosion resistant
Sensor Type:		Relative Humidity or Temperature
System Power:		3-wire: VDC: 16-30 VDC, 3-Watts, Class 2 4-wire: VAC: 12-27 VAC, 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)
Signal:		Current: Linear 4-20 mA (maximum 216 ohm load, wiring plus termination resistor @ 12VDC) Maximum 316 ohm load, wiring plus termination resistor @ 12VAC
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 ground referenced VAC, 3-conductor shielded 18 awg stranded VAC 4-conductor shielded 18 awg stranded
Certifications: (tested to)		CSA-C22.2 No. 205-12, UL508 (Edition 18):2018 EMC Directive 2014/30/EU, EN 50270:2015, Type 1, EN61010 RoHS compliant circuit boards This device complies with part 15 of the FCC Rules
Notes:		Never install in the direct path of moving air. The CGAS-A-RHT has 1 analog 4-20 mA output that can be used for the RH <u>or</u> Temperature signal back to a controller. If both RH and Temperature are required, two units will need to be installed, each configured appropriately. Specify sensor preference at time of order. (If digital wiring is possible, refer to the CGAS-D-RHT which can be configured with Modbus® or BACnet® output for both RH and Temperature in the same device.)

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