



DESCRIPTION

The **GEH5 Series** 5% accuracy humidity transmitters are designed specifically for commercial building automation systems (BAS). The room, duct, and OSA transmitters have replaceable sensor tips and switch-selectable outputs of 4-20 mA, 0-5 VDC or 0-10 VDC. The **GEH5 Series** also has an optional temperature transmitter, which has the same selectable outputs as humidity. All duct and OSA units come in weather-resistant enclosures rated for IP42 or NEMA 3R applications.

FEATURES

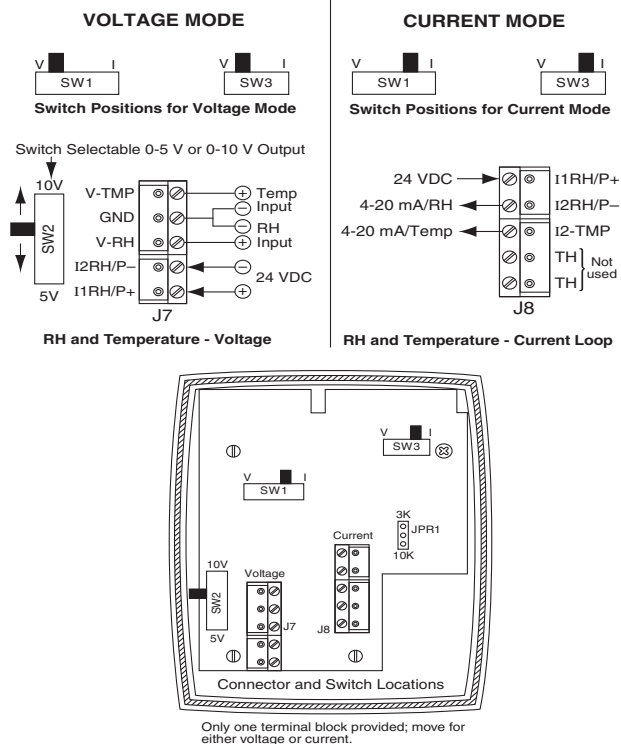
- **$\pm 5\%$ accuracy**
- **Temperature compensated**
- **Field-selectable 4-20 mA/0-5V/0-10V outputs**
- **Replaceable sensor**
- **Optional temperature transmitter**



SPECIFICATIONS

Sensor	Capacitive, replaceable
Accuracy	$\pm 5\%$ (0% to 99%)
Supply voltage	12-30 VDC, 2.4 VA
RH output	4-20 mA/0-5V/0-10V selectable
Temperature output	4-20 mA/0-5V/0-10V selectable
Load Impedance	
4-20mA	700 Ω maximum @ 24 VDC
0-5/0-10V	10 k Ω minimum
Operating ranges	
RH	Room/Duct: 0% to 99%, noncondensing; OSA: 0% to 100%
Ambient Temp	-40° to 140°F (-40° to 60°C)
Electrical connections	16 to 22 AWG terminals
Probe	Stainless steel with removable tip, PTFE Teflon® shield
Enclosure Material	ABS plastic, UL94V
Room	Installed IP20, NEMA 1
Duct/OSA	IP42, NEMA 3R
Agency approval	CE
Dimensions	
Wall	4.7"H x 3.8"W x 1.3"D (12 x 9.6 x 3.2 cm)
Duct	4.7"L x 2.7"W x 2.7"D (12 x 7 x 7 cm)
OSA	8.8" (22 cm) probe length 0.5" (1.3 cm) $\varnothing$
OSA	4.7"L x 2.7"W x 2.7"D (12 x 7 x 7 cm)
OSA	6.4" (16 cm) probe length 2.4" (6.0 cm) $\varnothing$
Weight	
Room	0.5 lb. (0.23 kg)
Duct/OSA	1.3 lb. (0.59 kg)
Warranty	2 years

WIRING



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HUMIDITY

ORDERING INFORMATION

MODEL	DESCRIPTION
GEH5-S	5% Wall mount humidity transmitter
GEH5-D	5% Duct mount humidity transmitter
GEH5-O	5% Outside air humidity transmitter
GEH5-D-TT2	5% Duct mount humidity and temperature transmitter, -20° to 140°F (-29° to 60°C) output
GEH5-O-TT2	5% Outside air humidity and temperature transmitter, -20° to 140°F (-29° to 60°C) output

ACCESSORIES

GEH5-RH	Replaceable 5% humidity sensor
GEH5-RHTT	Replaceable 5% humidity and temperature sensor