



HUMIDITY

2% WALL, DUCT AND OSA HUMIDITY TRANSMITTERS GEH2 SERIES

DESCRIPTION

The **Telaire/Amphenol Advanced Sensors Model GEH2 Series** 2% accuracy humidity transmitters are designed specifically for commercial building automation systems (BAS). The room, duct and OSA transmitters use replaceable sensor tips and switch selectable transmission including 4-20mA, 0-5V or 0-10VDC. The **GEH** also has an optional temperature transmitter output with selectable outputs (RH&T must be the same type). All duct and OSA enclosures are rated for IP42 or NEMA 3R applications.

FEATURES

- **±2% accuracy**
- **Temperature compensated**
- **Field-selectable 4-20 mA, 0-10V, or 0-5V outputs**
- **Replaceable sensor**
- **Optional temperature transmitter**

APPLICATIONS

- **HVAC building controls**
- **Clean rooms**
- **Museums / archives**
- **Hospitals/pharmaceuticals**
- **Swimming pools**
- **Animal rooms**



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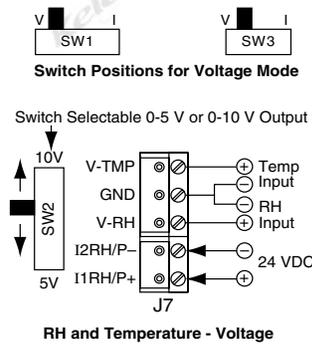
HUMIDITY

SPECIFICATIONS

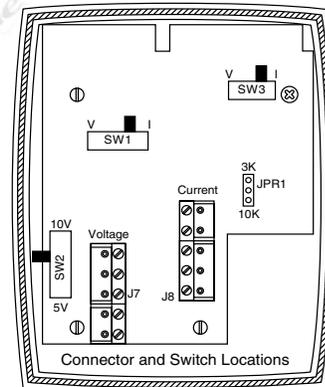
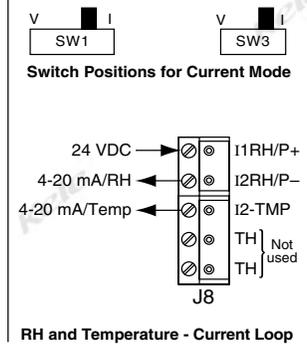
Accuracy	2% (10% to 90%)
Supply Voltage	12-30 VDC, 100mA
Signal Output	4-20 mA @ 700Ω, 0-5V/0-10V selectable @ 10KΩ max.; 0-100% RH
Sensing Technology	Capacitive and replaceable
Operating Humidity	0% to 99%, non-condensing
Operating Temperature	-40° to 140°F (-40° to 60°C)
Enclosure Rating	
Room	ABS plastic, UL94V Room Installed IP20, NEMA 1
Duct/OSA	IP42, NEMA 3R Stainless steel with removable tip, PTFE Teflon® shield,
Wiring Terminations	16 to 22 AWG terminals
Weight	
Room	0.34 lb (0.15 Kg)
Duct	0.96 lb (0.44 Kg)
OSA	1.22 lb (0.55 Kg)
Warranty	2 years

WIRING

VOLTAGE MODE



CURRENT MODE

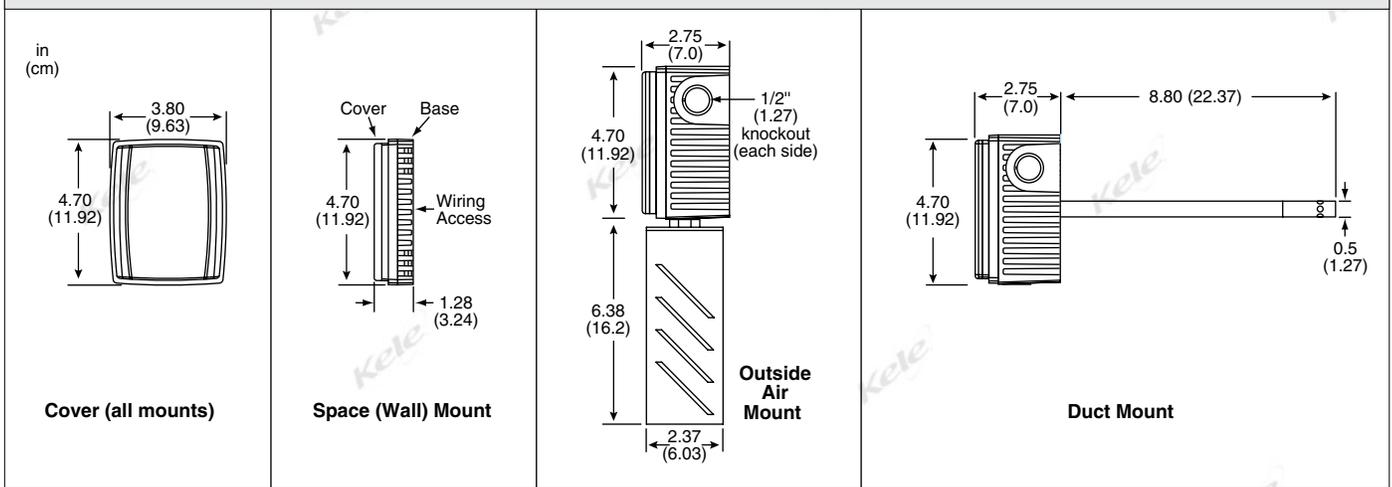


Only one terminal block provided; move for either voltage or current.



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DIMENSIONS



ORDERING INFORMATION

MODEL	DESCRIPTION
GEH2	RH transmitter 2% accuracy
RH MOUNTING ENCLOSURE	
S	Decorative room mounting enclosure
D	Duct mounting with ABS plastic IP42 enclosure
O	OSA mounting with ABS plastic IP42 enclosure and weather shield
SN	Decorative room mounting enclosure with NIST certificate
DN	Duct mounting with ABS plastic IP42 enclosure with NIST certificate
ON	OSA mounting with ABS plastic IP42 enclosure and weather shield with NIST certificate
TEMPERATURE OPTION	
TT0	Transmitter, 40° to 90°F (4.4° to 32.2°C) (S, D, SN, and DN only)
TT2	Transmitter, -20° to 140°F (-29° to 60°C) (D, O, DN, and ON only)
TT3	Transmitter, 0° to 100°F (-18° to 38°C) (All enclosure mounts)

Example: GEH2-SN 2% room RH transmitter with NIST certificate
 GEH2-D 2% duct RH transmitter

RELATED PRODUCTS

GEH2-RH	Replaceable 25% humidity sensor for room, duct, and OSA
GEH2-RHTT	Replaceable 2% humidity and temperature sensor for room, duct and OSA transmitters
DCPA-1.2	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT