

HIGH ACCURACY OUTSIDE HUMIDITY /TEMPERATURE **TRANSMITTER HAHTO Series**

The HAHTO series uses highly accurate and reliable Thermoset Polymer based capacitance humidity sensor and Platinum RTD temperature sensor together with state-of-the-art digital linearization and temperature compensated circuitry to monitor humidity levels. Either a hinged, gasketed ABS or PVC weatherproof enclosures provide easy of installation and protection from the elements.





SPECIFICATION:

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Humidity Sensor Type	Thermoset polymer based capacitive				
Accuracy					
	±2% (5 to 95% RH)				
Measurement Range	0 to 100% RH				
Temperature Dependence	±0.05% RH/ °C				
Hysteresis	±1.5% RH maximum				
Repeatability	±0.5% RH typical				
Linearity	±0.5% RH typical				
Stability	±1% RH typical at 50% RH in 5 yrs.				
Sensor Response Time	15 seconds typical				
Sensitivity	0.1% RH				
Sensor Type	Platinum RTD 1000 Ω,				
	385 Alpha @ 0°C				
Sensor Accuracy					
	RTD 1/3 DIN: ±0.1°C @ 0°C RTD 1/10 DIN: ±0.03°C @ 0°C				
Accuracy	_				
Operating Temperature					
	0 to 95% RH non-condensing				
Power Supply	3				
117	,				
Consumption					
input voitage Effect	Negligible over specified operating range				
Protection Circuitry	Reverse voltage protected and output limited				
Output Signal	4-20 mA current loop, 0-1, 0-5				
, 3	or 0-10 Vdc				
Output Drive at 24 Vdc	550 ohms max for current output 10K ohms min for voltage output				
Internal Adjustments	Clearly marked ZERO and SPAN pots				
•	Screw terminal block (14 to 22 AWG)				
_	(A) Grey ABS - UL94-V0 - IP61(NEMA 2)				

PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

MOD	DEL	Product Description									
нан	то	High Accuracy Outside Humidity/Temperature Transmitter									
		CODE	Enclos		ure						
		A C		nged Enclosure Iclosure							
			CODE		RH Accuracy						
			01 02		1% 2%						
					CODE High Accuracy Temperature Sensor						
					18 1000Ω Platinum, IEC 751, 385 Alpha, thin film, Class A48 1000Ω Platinum, IEC 751, 385 Alpha, thin film, 1/3 DIN22 1000Ω Platinum, IEC 751, 385 Alpha, thin film, 1/10 DIN						
							CODE A D E	Output S 4-20 mA 0-5 Vdc 0-10 Vdc	ignals (RH and Temperature)		
						ľ		CODE	Scaled Temperature Range		
								1 2 *	0° - 35°C (32° - 95°F) 0° - 50°C (32° - 122°F) Custom ranges available		
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Greystone Energy Systems, Inc. reserves the right to make design modifications without prior notice.

Custom Scaled Temperature Range:



(C) PVC - IP65 (NEMA 4X)



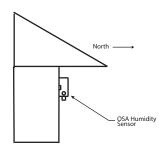






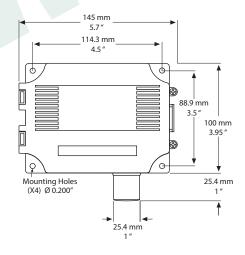
The HAHTO should be mounted on an outside North facing wall, under the eaves which will provide protection from direct sunlight and wind.

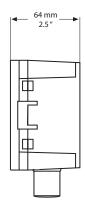
The HAHTO can be mounted directly to buildings wall face using the four provided mounting holes. There are 0.85" holes for conduit connection.



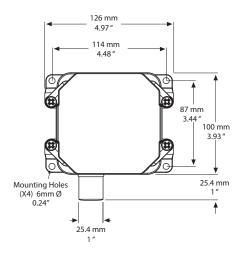
DIMENSIONS:

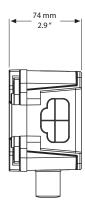
ABS Enclosure (D)





PVC Enclosure (C)





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Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems. We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-

edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.