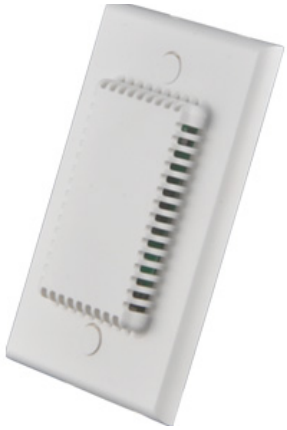
HT0R Series

Humidity Recessed Value

2% and 3% RH accuracies
0-5V, 0-10V, 2-wire and 3-wire 4-20mA options
Thermistor outputs for temperature optional
High quality private label--promote YOUR brand!



DESCRIPTION

Attractive design is attractive, durable, and cost-effective--ideal for schools and other harsh environments. Mount to J-box or surface mount with a small cut-out. Features accurate 2% and 3% RH, and choice of 0-5V, 0-10V, 2-wire and 3-wire 4-20mA outputs as well as thermistor options. Professionally printed private labeling is available to promote your company and future service business.

APPLICATIONS

- Attractive and durable--ideal for commercial, institutional, and school environments
- HVAC humidity/temp measurement & control
- Facilitating compliance with ASHRAE 62.1 AQ
- Maintain healthy air quality, minimize mold and other contaminants
- Museums, hospitals, & other critical areas
- Offices, conference rooms, & indoor public areas
- Industrial process control environments



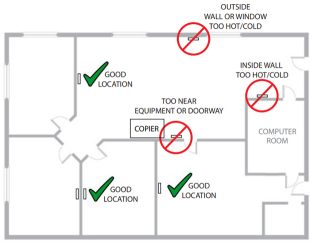
Cost-effective...ask about quantity pricing



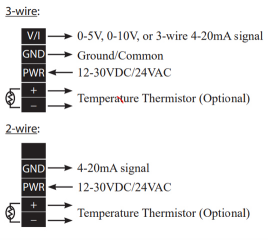
Your brand, your product. Affordable high-quality branding. Generate service calls for life



Gasket seals element from wall drafts. 45 degree terminals for ease of wireing



Locate sensor in an area away from ventilation, and heat generating equipment/appliances



Wire sensor as shown above



Buy American Act Certified

FEATURES

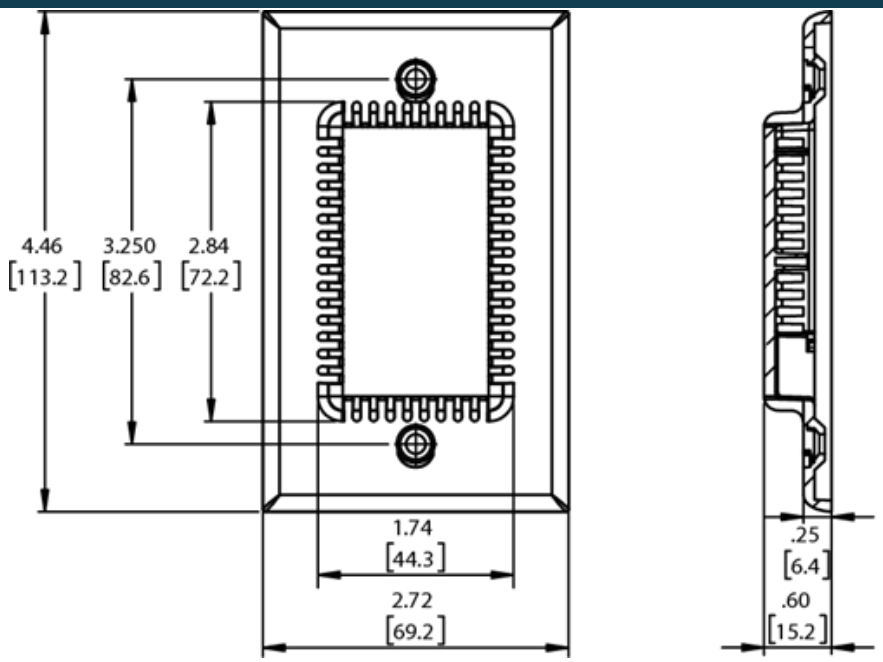
- New enclosure design is rugged and slim
- No exposed screws; unobtrusive tamper-resistant design
- Ideal for schools and institutional environments
- Fits easily in standard single-gang boxes
- Saves installation time and reduces callbacks
- On-board temperature compensation for RH.
- Gasket seals sensor against wall drafts and false readings

ORDERING

HT0R- ☐ ☐ ☐

Accuracy	**Output Type**	**Temperature**
2= 2%	A= 0-5V, 3-wire	A= None
3= 3%	B= 0-10V, 3-wire	C= 100PtRTD
	C= 4-20mA, 2-wire	D= 1000PtRTD
	D= 4-20mA, 3-wire	E= 10K Type 2
		F= 10K Type 3
		G= 10K W/ 11K
		H= 3K
		I = 2K2
		J = 1K8
		K = 20K
		L = 100K

DIMENSIONS



Warning: The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.

SPECIFICATIONS

Power Supply		12-30VDC/24VAC (1), 24mA max.
Outputs	RH% (options)	3-wire 0-5/10VDC, 4-20mA 2-wire 4-20mA
Output scaling	RH%	0-100% RH
Thermistor Options		See ordering table
Media filter		PTFE membrane, IP54 protection
Relative Humidity	Accuracy	2% models: ±2% max 0 to 100% RH, ±1.5% typ 0 to 80% RH@25°C 3% models: ±3% max 0 to 100% RH, ±2% typ 0 to 100% RH@25°C
	Resolution	0.01%RH
	Hysteresis	±0.8%RH
	Non-Linearity	factory linearized <1%RH
	Temperature coefficient	fully compensated by on-board temp sensor
	Response time (2)	8s
	Output update rate	0.5s
	Operating range	0 to 100%RH (non-condensing)
	Long term drift	<0.25%RH per year
	Normal Operating conditions (3)	41 to 140°F (5 to 60°C) @ 20 to 80%RH
Environmental	Enclosure Rating	IP20/NEMA 1
	Unit Temp Rating	-40°F to 158°F (-40 to 70°C)

1. One side of transformer, secondary is connected to signal common. Dedicated transformer is recommended.
2. Time for reaching 63% of reading at 25° C and 1 m/s airflow.
3. Long term exposures to conditions outside normal range at high humidity may temporarily offset the RH reading (+3%RH after 60 hours).
4. 15-30VDC/24VAC power supply voltage required for 10 volt output. Power consumption 100mA max AC, 50mA max DC

** Product improvement is a continual process at Senva and product features and specification may change without prior notice. Refer to instructions that accompany the product for installation and wiring.*