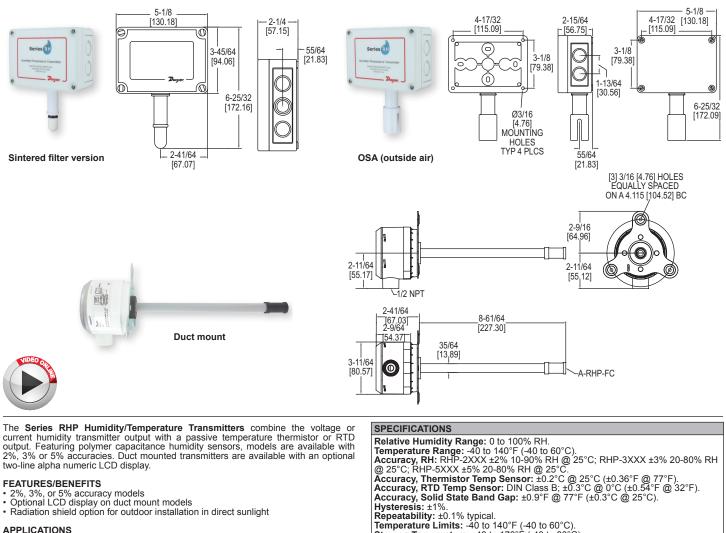
## **Dwyer** SERIES RHP HUMIDITY/TEMPERATURE TRANSMITTERS Passive Temperature Outputs, Sintered Filter Options



## APPLICATIONS Air economizers

- Outdoor temperature and relative humidity reference
- Pool room humidity monitoring

MODEL CHART							
Example	RHP	-2	D	1	Α	-LCD	RHP-2D1A-LCD
Series	RHP						RH/passive temperature sensor transmitter
Accuracy		2 3 5					2% accuracy 3% accuracy 5% accuracy
Housing Type			D O S R				Duct mount with plastic hydrophobic filter OSA (outside air) OSA with sintered filter* Radiation shield
RH Output				1 2 3			4-20 mA 0-10 V 0-5 VDC
Temperature Sensor					0 1 2 3 A B C D E F		None 4-20 mA 0-10 VDC 0-5 VDC 10K @ 25°C thermistor type III 10K @ 25°C thermistor type II 3K @ 25°C thermistor 100 Ω RTD DIN 385 1K Ω RTD DIN 385 20K Ω @ 25°C thermistor
Options						LCD NIST	LCD display NIST traceable calibration certificate
*Use OSA with sintered filter models when purchasing Series RHRS radiation shield separately.							

Accuracy, Solid State Band Gap. 10.91 (gr. r. (20.0 C) (g. 20 C). Hysteresis: ±1%. Repeatability: ±0.1% typical. Temperature Limits: -40 to 140°F (-40 to 60°C). Storage Temperature: -40 to 176°F (-40 to 80°C). Compensated Temperature Range: -4 to 140°F (-20 to 60°C). 4-20 mA Loop Powered Models: Power requirements: 10-35 VDC; Output signal: 2 0 mA 4-20 mA 0-5/10 V Output Models: Power requirements: 15-35 VDC or 15-29 VAC; Output signal: 0-10 V @ 5 mA max. Solid State Band Gap Temperature Sensor Output Ranges: Switch selectable, -20 to 140°F (-28.9 to 60°C); 0 to 100°F (-17.8 to 37.8°C); 40 to 90°F (4.4 to 32.3°C); -4 to 140°F (-20 to 60°C). Response Time: 15 s. Electrical Connections: Removable screw terminal block. Conduit Connection: Duct mount: 1/2" NPS; OSA: 1/2" (22.3 mm). **Conduct Connection**. Duct mount. 1/2 (NFO, COA. 1/2 (22.0 mm)). **Drift**: < 1% RH/year. **RH Sensor**: Capacitance polymer. **Temperature Sensor**: Types 1, 2, 3: Solid state band gap; Curves A, B, C: Thermistor; Curves D, E: Platinum RTD DIN 385. **Enclosure:** Duct mount: PBT; OSA: Polycarbonate. Enclosure Rating: Duct mount: NEMA 4X (IP66) for housing only; OSA: NEMA 4X (IP66) Display: Duct mount only, optional 2-line alpha numeric, 8 characters/line. Display Resolution: RH: 0.1%; 0.1°F (0.1°C). Weight: Duct mount: .616 lb (.3 kg); OSA: 1 lb (.45 kg). Agency Approvals: CE ACCESSORIES Model Description A-RHP-FC Replacement plastic hydrophobic filter A-RHP-RT Retrofit tool for fitting O-ring on RHP-D/M models for new filter A-RHP-FC

Humidity/Temperature Transmitters

CE