Dwyer. SERIES RHP IDITY/TEMPERATURE TRANSMITTERS

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- 2-1/4 -[57.15]

55/64

[21.83]

OSA (outside air)

-1/2 NPT

Ø35/64 [Ø13.89]

SPECIFICATIONS

2-41/64 [67.03]

2-9/64 [54.37]

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2-11/64

[55.17]

Ø3-11/64

[Ø80.57]



5-1/8 4-17/32 [130.18]

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6-25/32

[172.09]

<u>[115.09]</u>

[3] 3/16 [4.76] HOLES EQUALLY SPACED ON A 4.115 [104.52] BC

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[79.38]

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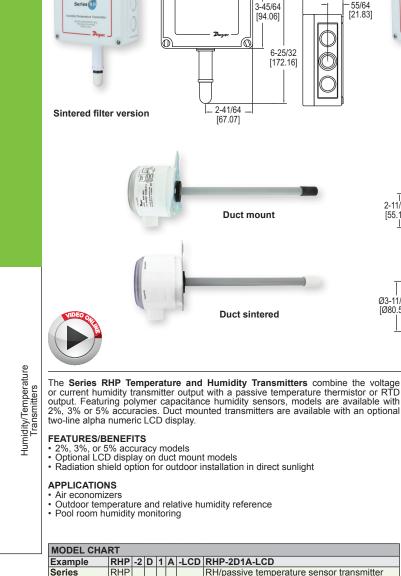
1-13/64

[30.56]

Passive Temperature Outputs, Sintered Filter Options

_ 5-1/8 _ [130.18]

AIR QUALITY



 2%, 3%, of 3% accuracy models Optional LCD display on duct mount models Radiation shield option for outdoor installation in direct sunlight 								Accuracy, Solid St Hysteresis: ±1%. Repeatability: ±0.1
APPLICATION • Air economiz • Outdoor tem • Pool room hu	zers perati						umidity reference	Temperature Limit Storage Temperature Compensated Tem 4 to 20 mA Loop P signal: 4-20 mA. 0-5/10V Output Mo signal: 0-10 V @ 5 i
MODEL CHART							Solid State Band C -20 to 140°F (-28.9	
Example	RHP	-2	D	1	Α	-LCD	RHP-2D1A-LCD	32.3°C); -4 to 140°F
Series	RHP						RH/passive temperature sensor transmitter	Response Time: 1
Accuracy		2 3 5					2% accuracy 3% accuracy 5% accuracy	Electrical Connect Conduit Connection Drift: < 1% RH/yea
Housing Type			D M O S R				Duct mount with filter Duct mount with HDPE filter OSA (outside air) OSA with sintered filter* Radiation shield	RH Sensor: Capac Temperature Sens Thermistor; Curves Enclosure: Duct m Enclosure Rating:
RH Output				1 2 3			4-20 mA 0-10 V 0-5 VDC	(IP66). Display: Duct mour Display Resolution
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	Weight: Duct moun Agency Approvals
Options						NIST	LCD display NIST traceable calibration certificate	
*Use OSA wit	h sinte	ere	d fi	te	r m	nodels	when purchasing Series RHRS radiation shield	

Relative Humidity Range: 0 to 100% RH. Temperature Range: -40 to 140°F (-40 to 60°C). Accuracy, RH: RHP-2XX ±2% 10-90% RH @ 25°C; RHP-3XXX ±3% 20-80% RH @ 25°C; RHP-5XXX ±5% 20-80% RH @ 25°C. Accuracy, Thermistor Temp Sensor: ±0.2°C @ 25°C (±0.36°F @ 77°F). Accuracy, RTD Temp Sensor: ±0.2°C @ 25°C (±0.36°F @ 32°F). Accuracy, Solid State Band Gap: ±0.9°F @ 77°F (±0.3°C @ 25°C). Hystorecis: ±1% 1% typical. ts: -40 to 140°F (-40 to 60°C). ture: -40 to 176°F (-40 to 80°C). nperature Range: -4 to 140°F (-20 to 60°C). owered Models: Power requirements: 10-35 VDC; Output dels: Power requirements: 15-35 VDC or 15-29 VAC; Output mA max. **Sap Temperature Sensor Output Ranges:** Switch selectable, to 60°C); 0 to 100°F (-17.8 to 37.8°C); 40 to 90°F (4.4 to -(-20 to 60°C). 5 s. tions: Removable screw terminal block on: Duct mount: 1/2" NPS; OSA: 1/2" (22.3 mm). itance polymer. sor: Types 1, 2, 3: Solid state band gap; Curves A, B, C: D, E: Platinum RTD DIN 385. iount: PBT; OSA: Polycarbonate. Duct mount: NEMA 4X (IP66) for housing only; OSA: NEMA 4X nt only, optional 2-line alpha numeric, 8 characters/line. **n:** RH: 0.1%; 0.1°F (0.1°C). .616 lb (.3 kg); OSA: 1 lb (.45 kg). : CE

4-17/32

[115.09]

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[227.30]

9-3/32 [231.13]

2-15/64

r [56.75] ·

55/64

[21.83]

2-9/16 [64.96]

2-11/64 [55,12]

-RHP-XDXX

-RHP-XMXX

3-1/8

0 [79.38]

Ø3/16

[4,76] MOUNTING HOLES TYP 4 PLCS

separately