

HAVDT Series of Duct Airflow Transmitter



The HAVDT series is intended for use in commercial environments. It is designed with a duct mount probe and adjustable collar suitable for round or rectangular ducts. The transmitter provides separate readings for air velocity and temperature. It comes with three measurement ranges in a single device (0–2 m/s, 0–10 m/s, 0–20 m/s) and is available with optional display and relay.

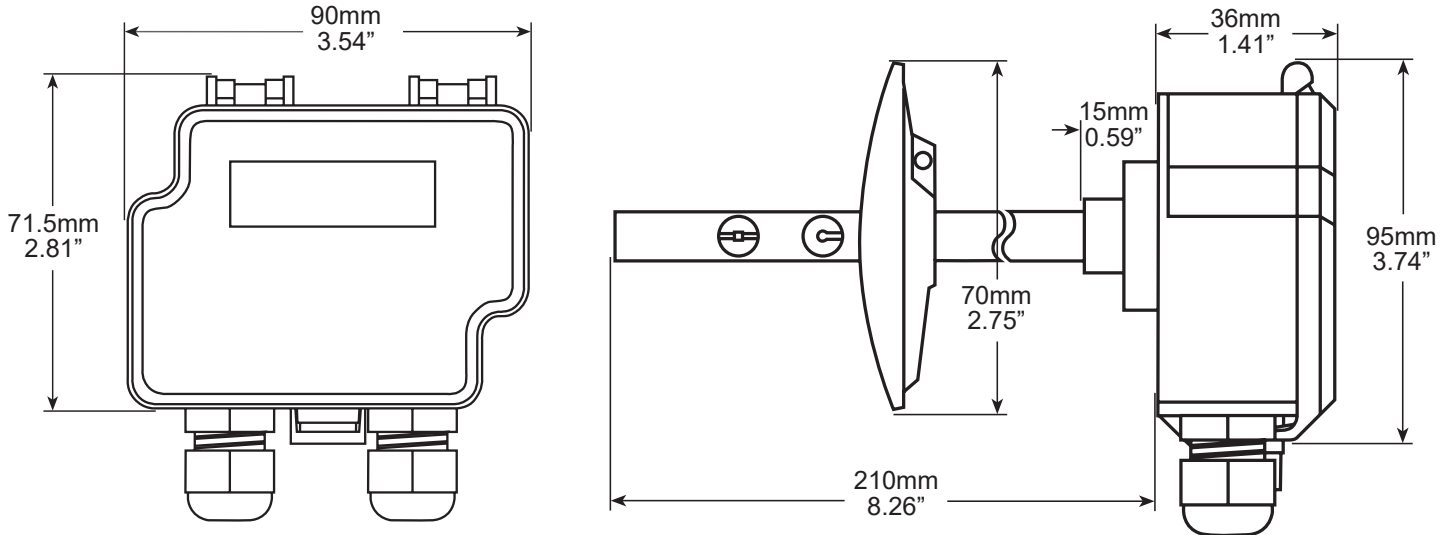
APPLICATIONS

The HAVDT duct mount air velocity transmitter is designed for use with electronic controllers in domestic or commercial heating and cooling systems.

SPECIFICATIONS

Velocity Ranges:.....	Base & Metric Models: 0-2m, 10 & 20m/s Imperial Model: 0-400, 2000 & 4000 fpm (field selectable)	Optional Display:	4 digit LCD backlit display Size: 45.7mm W x 12.7mm H (3.5" x 0.5")
Metric Velocity Accuracy:.....	Range - 0...2 m/s: <0.2 m/s + 5% from reading Range - 0...10 m/s: <0.5 m/s + 5% from reading Range - 0...20 m/s: <1.0 m/s + 5% from reading	Display Units:.....	Metric: m/s and °C Imperial: fpm and °F
Imperial Velocity Accuracy:.....	Range - 0...400 fpm: <20 fpm + 5% from reading Range - 0...2000 fpm: <100 fpm + 5% from reading Range - 0...4000 fpm: <200 fpm + 5% from reading	Enclosure:.....	Case: ABS Cover: Polycarbonate Ratings: IP54 (NEMA 3) Probe: 304 series stainless steel Mounting Flange: LLPDP
Thermal Shift:	±0.8 %FS / °C	Dimensions:.....	Case: 90mm W x 71.5mm H x 36mm D (3.5" x 2.8" x 1.4") Probe: OD 10mm (0.394"), length 210mm (8.26") from bottom of cover
Calibration:	Units calibrated at 22°C (71.6°F) Rapid thermal shift stabilization time 10 min.	Mounting:.....	Mounting flange, Ø4mm (11/64")
Temperature Range:.....	0 to 50°C (32 to 122°F)	Insertion Length:.....	Adjustable 50-180mm (2"-7.08") with Flange
Temperature Accuracy:.....	<0.5°C for velocity >0.5 m/s (<0.9°F for V > 100 fpm)	Electrical Connections....	Power Supply & Signal Out: 4-screw terminal block 12-24 AWG (0.2-1.5mm ²) Relay Out: 3-screw terminal block 12-24 AWG (0.2-1.5 mm ²)
Operating Conditions:.....	0 to 50°C (32 to 122°F), 0 to 95 %RH, non-condensing	Cable Entry.....	M16 (0.625") cable gland
Storage Temperature:.....	-20 to 70°C (-2 to 158°F)	Weight	220g (7.76oz)
Media Compatibility:	Dry air or non-aggressive gases	Approvals.....	CE, RoHS
Output Signal 1 (Tout):.....	0-10 V (linear to temperature) L min 1K Ω 4-20 mA (linear to temperature) L max 200 Ω	Country of Origin	Finland
Output Signal 2 (Vout):	0-10 V (linear to m/s) L min 1K Ω 4-20 mA (linear to m/s) L max 400 Ω		
Optional Relay Out:	Potential free SPDT (NC, COM, NO) 250 Vac, 6A / 30 Vdc, 6A adjustable switching point and hysteresis		
Power Supply:	24 Vdc / 24 Vac ±10%		
Current Consumption:	Current: 75 mA (90 mA with relay) Voltage: 35 mA (90 mA with relay)		

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ORDERING

MODEL	Product Description	
HAVDT	Duct Airflow Transmitter	
↓	CODE	Display (Required if Relay Option Selected)
	X	None
	M	Metric (m/s, °C)
↓	I	Imperial (fpm, °F)
	CODE	Relay
	X	None
↓	R	Adjustable relay (requires LCD)
	HAVDT X R	

Printed on recycled paper containing
15% post-consumer waste.



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