AVT Air Velocity Transmitter

TEREN

AVT1

AVT4 1.8m

Applications & Features

- It is designed for air velocity monitoring and controlling, can meet most HVAC applications.
- Based on thermal anemometer principle, use innovative and sensitive hot-film sensor, which is insensitive to dust and dirt, easy to install and maintain
- No any moving parts, provide accurate, reliable, sensitive and long-term measurement, with wide range temperature compensation
- Digital technology applied to ensure output linearity and accuracy
- Over voltage and reverse polarity protection with high reliability and anti-interference capacity
- Multiple outputs available, optional relay for alarm or ON/OFF control
- 4 field jumper selectable ranges: 0~5/10/15/20 m/s
- Optional LCD& function keys, supports a variety of functions as parameters setting, modifying and calibrating, etc. See more details on LCD & Keys operation.

Specifications

Air velocity
Sensor: Hot-film sensor
Range: 0~5/10/15/20m/s or other (0~25m/s optional)
Accuracy: <±(0.4m/s+3% reading)
　　　　　@1~20m/s,25°C,55%RH,1013hPa
Response time: 2s

Angle dependence: < 3 %reading @ | Δα | < 10°
Temperature compensation: 10~40°C
Output: 4~20mA(3 wires), 0~10VDC, RS485/Modbus
Temperature
Sensor: Digital temperature sensor
Range: 0~50°C
Accuracy: <±0.5°C@0-50°C
Response time: 10s
Output: 4~20mA(3 wires),0~10VDC,RS485/Modbus
Relay: 1×SPDT, 1A/30VDC, 0.5A/125VAC
Output Load:≤500Ω(current), ≥2KΩ(voltage)
Power: 15~28VAC/15~36VDC
Working Temperature: 0~85°C,0~95%RH(Non cond.)
Housing: Fire-proof ABS
Protection: IP65
Approval: CE

Models

Model	AVT1 AVT4			Duct mount air velocity transmitter Remote mount air velocity transmitter
Output			1	4~20mA &0~10VDC
		B		4~20mA&0~10VDC&RS 485/Modbus
Relay			0	N/A
			1	1×SPDT