Air Velocity Transmitter 0-10Vdc
AVS-**

Description:

The AVS range functions to measure the air velocity in HVAC ducts and provide a linear 0-10Vdc output signal across the range. The unit operates on a thermal principle based on the cooling effect from the air speed.

Technical Specification:

Power Supply:	24Vac/dc ±15%
Output Signal:	0-10Vdc
Load:	>10KΩ
Accuracy:	±1% at mid range at 20°C
Range m/s:	0/4, 0/8, 0/16
Response Time:	< 2s
Media Temp.:	-10/+60°C
Media Humidity:	0/80%RH
Max. Ambient Temp.:	-20/+60°C

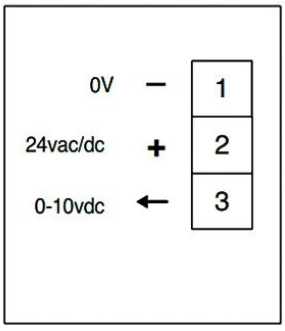
(allow 15s for the unit to stabilise when it is first switched on)

Consumption:	85mA
Enclosure:	IP65
Enclosure Flammability:	UL94-V0
Mounting:	Duct

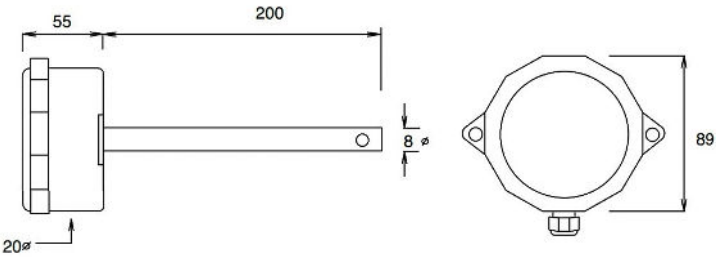
Installation:

- Terminals 0.5-2.5mm
- Min sensor / control signal cable size 7/0.2mm
- Max length 100m
- Screened cable is recommended.
- The screen should be earthed at controller end only.
- Keep sensor/control signal wires away from power cables/units which may cause interference

Wiring:



Dimensions:



Ensure that the air flows directly through the holes in the side of the probe. The air can enter the holes from either side. Mount away from bends, elbows and turbulent areas. Avoid installi.ng in areas where the temperature in the duct changes rapidly.

DO NOT SUBJECT THE SENSING ELEMENT TO OILY, DIRTY, DUSTY OR MOIST MEDIA.

Product Codes:

AVS-4	0-10Vdc Air Velocity Transmitter 0/4 m/s
AVS-8	0-10Vdc Air Velocity Transmitter 0/8 m/s
AVS-16	0-10Vdc Air Velocity Transmitter 0/16 m/s