AIR VELOCITY TRANSMITTER
0-10VDC

EAV..

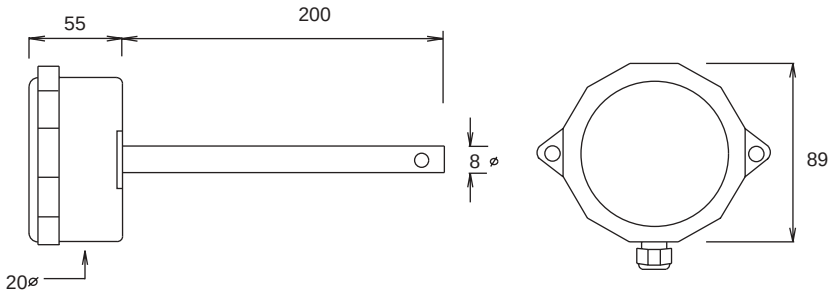
To measure the air velocity in HVAC ducts and provide a linear 0-10vdc output signal across the range. The unit operates on a thermal principle based on the cooling effect from the air speed.

Accuracy ±1% at mid range at 20°C
Response time < 2s
Media Temp -10/+60°C
Media Humidity 0/80%RH
Max Ambient -20/+60°C
Allow 15s for the unit to stabilise when it is first switched on.
Consumption 85mA
Enclosure Flammability = UL94-V0

Type	Mounting	Range m/s	Supply ±15%	Output Signal	Load	Enclosure
EAV-4	Duct	0/4	24VAC/DC	0-10vdc	>10KΩ	IP65
EAV-8	Duct	0/8	24VAC/DC	0-10vdc	>10KΩ	IP65
EAV-16	Duct	0/16	24VAC/DC	0-10vdc	>10KΩ	IP65

DIMENSIONS:

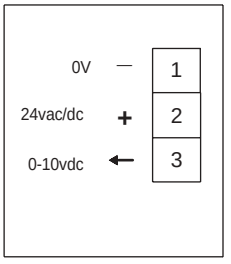
EAV..



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 installing in areas where the temperature in the duct changes rapidly.
DO NOT SUBJECT THE SENSING ELEMENT TO OILY, DIRTY, DUSTY OR MOIST MEDIA.

WIRING:

EAV..



INSTALLATION:

Terminals 0.5-2.5mm² 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.

CAUTION: These devices are suitable for low voltage supply only. Device should be checked by a qualified technician before applying any voltage .
Isolate device from electrical supply before removing cover. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings.
Observe precautions for handling electrostatic sensitive devices, Ensure electrical entry hole is completely sealed for all IP65/weatherproof models.
Always ensure the device operates correctly. If failure of the device can cause damage a safety backup control should be fitted.
All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.