

HESF-35-2

AIR FLOW TRANSMITTER

- Converts airspeed into a 4-20mA or a 0-10 VDC signal
- Linear output signal
- Made with corrosion resistant material
- Fully electronic registration of airflow speed
- AC or DC voltage supply
- Compensates for changes of air temperature
- Telescopic sensor facilitates installation
- Temperature output signal 0 - 10 VDC
- Fuse protected



SYSTEM OVERVIEW

The HESF-35-2 transmitter registers the airflow speed according to a thermal principle based on the fact that the cooling action of air increases with airspeed. The action is measured and converted to a 4 - 20 mA or a 0 - 10 V signal corresponding to airflow speeds from 0 - 8 m/s (0 - 1575 ft/min) or 0 - 16 m/s (0 - 3150 ft/min)..

The HESF-35-2 airflow transducer can be used in a wide range of applications such as:

- Measurements of airflow speed via PLC/outstation/EMS
- Regulation of airflow speed
- Monitoring of airflow speed

APPLICATIONS

The HESF series air flow transmitters are designed for use with electronic controllers in domestic or commercial heating and cooling systems.

Technical Specification

Airflow speed (jumper selectable)	0.- 16 m/s (3150 ft/min), 0.- 8 m/s (1575 ft/min)
Output signal (flow)	4.- 20mA, 0 - 10 VDC
Output signal (temperature)	0.- 10 VDC
Temperature range	0.- 50 °C (32 °F - 122 °F)
Air temperature	-10 °C - 60 °C (14 °F - 140 °F)
Ambient temperature	-20 °C - 50 °C (-4 °F - 122 °F)
AC voltage supply	24.VAC (120mA)
DC voltage supply	16.- 30 VDC (80mA)
Absolute accuracy	±5.5%
Rise time	20.sec

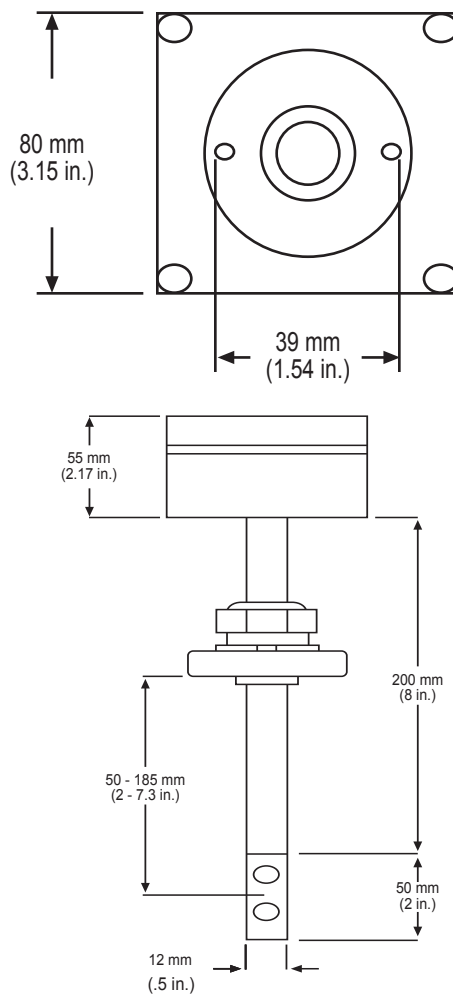
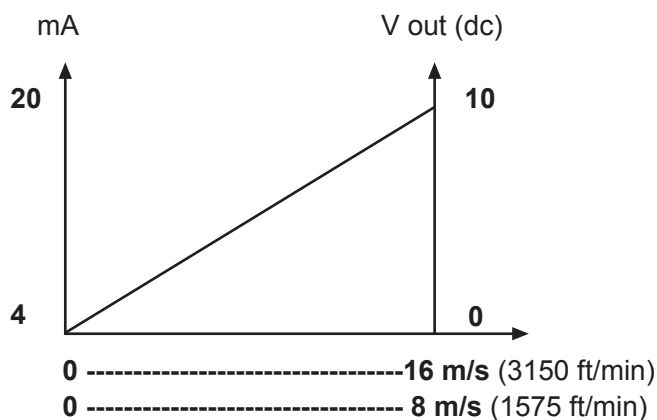
Time constant	5.sec
Dimensions (H x W x D)	80x80x55 mm (3.15x3.15x2.17 in.)
Depth of insertion in channel	50.- 200 mm (2 - 8 in.)
Enclosure rating	IP54
Country of Manufacture	Denmark

Ordering Information

Description	Ordering Information
HESF-35-2	Air Flow Transmitter

INSTALLATION:

The HESF-35-2 air flow transmitter is installed in such a way that the current of air passes through the gap of the sensor head. Conductors to and from the transducer should be kept isolated from high-power conductors where powerful transient voltage spikes may appear.



For more information!

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