

Air Flow Transmitter LX-AF

The air-flow transmitter LX-AF is an airflow transducer with a broad application area. It can be used for control, surveillance, and regulation of the flow rate in fresh-air and ventilation systems.

Details

The air-flow transmitter LX-AF can be used in a wide range of applications. It registers the airflow speed according to a thermal principle based on the fact that the cooling effect of air increases with airspeed. The action is measured and converted to a 4 - 20mA or a 0 - 10 V signal corresponding to airflow speeds from 0 - 8 m/s or 0 - 16 m/s.

The LX-AF 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.

Order Code

LX-AF

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



Technical Data

Airflow Speed (jumper selectable) :	0 - 16 m/s, 0 - 8 m/s
Output AC Ripple:	4 - 20mA, 0 - 10 VDC
Output Signal (temperature):	0 - 10 VDC
Temperature Range:	0°C - 50°C
Air Temperature:	-10°C - 60°C
Ambient Temperature:	-20°C - 50°C
AC Voltage Supply:	24 VAC (120mA)
DC Voltage Supply:	16 - 30 VDC (80mA)
Absolute Accuracy:	±5%
Rise Time:	20 sec
Time Constant:	5 sec
Depth of Insertion in Channel:	50 - 185 mm
Dimensions:	80mm (H) x 80mm (W) x 55mm (D)
Manufacturing Process:	ISO9001