

EAF 260

AIR VELOCITY SENSOR



EAF 260 is an electronic air flow sensor without moving parts. The unit measures the air velocity and is used for the monitoring and/or control of the air flow in ducts and similar spaces.

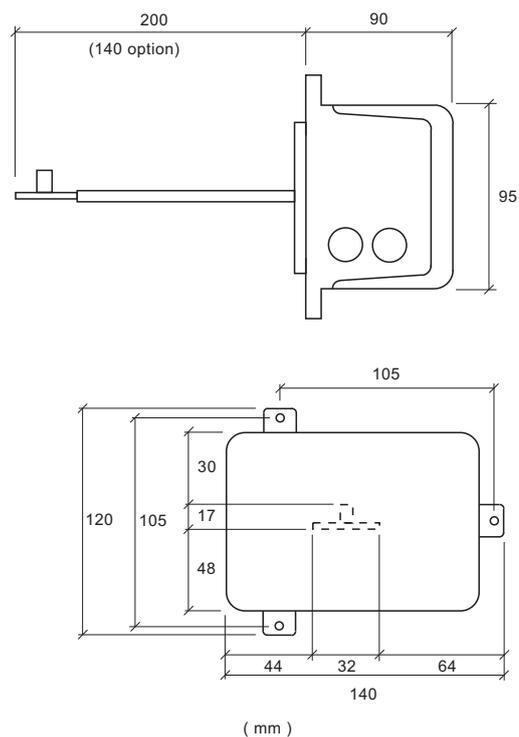
The sensor gives a linear output voltage and current signal proportional to air velocity.

The sensor part is protected with polyurethane plastic.



TECHNICAL DATA

Supply voltage:	24 VAC $\pm 15\%$ 50-60 Hz
Power consumption:	5 VA
Measuring ranges:	0-10 m/s alt. 0-20 m/s (Programmable)
Outputs:	0-10 Volt (min. 1000 Ohm) 0(4)-20 mA (max 500 Ohm)
Output drift vs.temp:	max 0,1% of reading / °C (Cal.at 20°C)
Repeatability:	max $\pm 0,5\%$ of reading
Linearity:	$\pm (5\%$ of reading + 0,1 m/s)
Temperature range:	0°C to 70°C
Humidity range:	max 90% RH
Housing:	ABS-plastic, IP44



MOUNTING

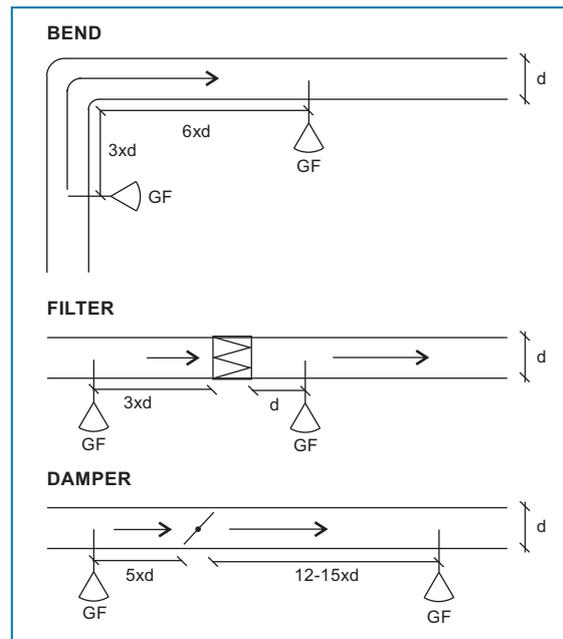
The detecting element should be surrounded by an even air flow and positioned with regard to the direction of flow as shown by the arrows on housing. This means that it may be installed laying or upright, in vertical or horizontal air stream.

Place the detecting element at least as far from the heating and cooling batteries or the humidifying equipment as normal duct temperature detectors. It should furthermore be placed such that the distance to the nearest air disturbance (for example bend, filter or damper) is at least as shown in withstanding figure.

WARNING

Do not place detecting element before filter and heater in system for inlet air. (Corrosion)

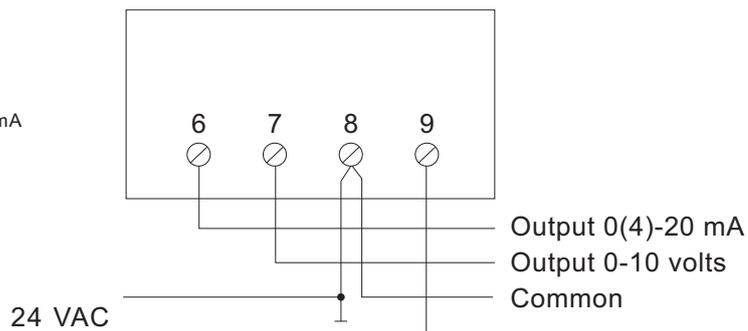
If necessary use corrosion protected type EAF 260EM with dual layer of protect coating.



CONNECTING DIAGRAM

EAF 260

Range and output programming.



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