

AIR VELOCITY AND TEMPERATURE TRANSMITTER IVL 02

IVL 02 air velocity and temperature transmitter is made for HVAC applications. Output signals are corresponding the air flow velocity and temperature inside the ventilation duct.

Transmitter is to be mounted in the duct, on a place where the air flow is as laminar as possible. At the commissioning both outputs can be selected either milliampere or voltage outputs (see the jumper table below).

IVL 02-N is like IVL 02, but with a display cover (m/s and °C). All models are also available with a 100 and 400 mm long stem.

Display is scanning between velocity and temperature and it can be fixed to show either velocity or temperature by loosening the jumper on back of the display board.

Output signal selection

	4...20 mA	0...10 V
out 1		
out 2		



Technical data:

supply	24 Vac (22...28 V), < 1.5 VA 24 Vdc (23...28 V), < 1.5 W
ranges	air velocity 0...2 m/s, temperature 0...50 °C
outputs	0...10 V, < 2 mA, 4...20 mA, < 600 Ω
velocity deviation	< 0.1 m/s ±7 % from reading (at 25 °C)
temp. deviation	< 0,5 °C (25 °C, > 0,5 m/s)
operating temp.	0...50 °C
mounting	by adjustable flange
housing	IP54 (transmitter), probe or cable conduit downwards
materials	PBT, PC, PA and stainless steel

Wiring terminals:

1	supply 24 Vac/dc
2	0 V
3 (out 1)	output 0...10 V / 4...20mA = 0...2 m/s
4 (out 2)	output 0...10 V / 4...20mA = 0...50 °C

Ordering guide:

Model	Product number	Description
IVL 02	1130030	air flow transmitter 0...2 m/s, immersion length 50...190 mm
IVL 02-N	1130032	air flow transmitter 0...2 m/s with display, immersion length 50...190 mm
IVL 02-100		air flow transmitter 0...2 m/s, immersion length 50...90 mm
IVL 02-400	1130031	air flow transmitter 0...2 m/s immersion length 50...390 mm
DPM 7	1186026	display cover for IVL 02

Products fulfill the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).