

AIR FLOW AND TEMPERATURE TRANSMITTER IVLJ 02

IVLJ 02 transmitter is designed for HVAC applications. Output signals correspond to the air flow velocity and temperature inside the ventilation duct.

Probe of the transmitter is mounted in the duct, on a place where the air flow is as laminar as possible. The transmitter should be mounted a suitable place near the probe. Linear and air flow proportional measuring signal is produced by comparing the sensor element temperatures. Both outputs can be separately selected to be either 4...20 mA or 0...10 V outputs.

The N model display resolution is 0,1 m/s for velocity and 0,1 °C for temperature. The display can be added also after commissioning. The measurement values scroll on the display. The wanted value can be locked to view continuously by removing the jumper on back of the display board.

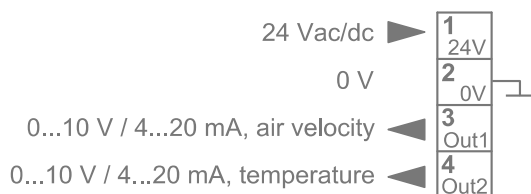
IVLJ 02 is also available with a 100 and 400 mm long probe stem.

Output signal selection

| | 4...20 mA | * 0...10 V |
|-------|-------------------------------------|-------------------------------------|
| out 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| out 2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

* = factory setting

Wiring



Technical data

| | |
|---------------------|---|
| Supply | 24 Vac (22...28 V), < 1.5 VA 24 Vdc (23...28 V), < 1.5 W |
| Ranges | |
| velocity | 0...2 m/s |
| temperature | 0...50 °C |
| Accuracy | |
| measuring range | < 0.1 m/s ±7 % from reading (at 25 °C) |
| temperature | < 0.5 °C (25 °C, > 0,5 m/s) |
| Outputs | 0...10 V, < 2 mA, 4...20 mA, < 600 Ω |
| Probe cable | 2 m |
| Ambient temperature | 0...50 °C |
| Mounting | |
| probe | by a flange, adjustable depth (200 mm stem) |
| transmitter | with screws, external lugs |
| Protection class | IP 54 (transmitter), cable glands downwards |
| Materials | PBT, PC, PA and stainless steel |

Ordering guide:

| Model | Product number | Description |
|-------------|----------------|---|
| IVLJ 02 | 1130040 | air flow transmitter 0...2 m/s, immersion depth 50...190 mm |
| IVLJ 02-100 | 1130044 | air flow transmitter, immersion depth 50...90 mm |
| IVLJ 02-400 | 1130041 | air flow transmitter, immersion depth 50...390 mm |

Products fulfil 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).