

## AIR FLOW AND TEMPERATURE TRANSMITTER IVLJ

IVLJ transmitters are designed for HVAC applications for measuring air flow velocity and temperature in the ventilation duct.

Linear and air flow proportional measuring signal is produced by comparing the sensor element temperatures.

Both outputs can be selected to either milliampere or voltage outputs at the commissioning.

### Output signal selection

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



### Technical data

|                       |   |
|-----------------------|---|
| Supply                | 24 Vac/dc (22...28 V), < 1,5 VA               |
| Air velocity, IVLJ 02 |   |
| measuring range       | 0...2 m/s                                     |
| deviation             | < 0,1 m/s $\pm$ 7 % from reading (at 25 °C)   |
| Air velocity, IVLJ 10 |   |
| measuring range       | 0...10 m/s                                    |
| deviation             | < 0,5 m/s $\pm$ 7 % from reading (at 25 °C)   |
| temperature           |   |
| measuring range       | 0...50 °C                                     |
| deviation             | < 0,5 °C (25 °C, > 0,5 m/s)                   |
| Outputs               | 0...10 V < 2 mA,<br>4...20 mA, < 600 $\Omega$ |
| Probe cable           | 2 m   |
| Ambient temperature   | 0...50 °C                                     |
| Mounting              |   |
| probe                 | by a flange, adjustable depth                 |
| transmitter           | with screws, external lugs                    |
| Protection class      | IP54 (transmitter), cable glands downwards    |
| Materials             | PBT, PC, PA and stainless steel               |

### Wiring:

|           |   |
|-----------|---|
| 1         | Supply, 24 Vac/dc                         |
| 2         | 0 V                                       |
| 3 (out 1) | 0...10 V / 4...20 mA, air velocity output |
| 4 (out 2) | 0...10 V / 4...20 mA, temperature output  |

### Ordering guide:

| Model   | Product number | Description  |
|---------|----------------|--|
| IVLJ 02 | 1130040        | air flow transmitter 0...2 m/s, immersion depth 50...190 mm  |
| IVLJ 10 | 1130090        | air flow transmitter 0...10 m/s, immersion depth 50...190 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).