

Air flow monitoring for air intake systems



Buildings are supplied with fresh air through air conditioning technology. This is pretreated by e.g. filtering, heating, cooling, humidifying or dehumidifying. To ensure the supply of fresh air and the functionality of the pretreatments, a certain minimum air flow is required. The air flow monitor INT511 monitors the flow speed in the air intake duct, thereby ensuring reliable and secure operation of the system.



INT511

Product description

The KRIWAN INT511 air flow monitor monitors the speed of air flows using the calorimetric principle. The sensor operates having compensated for temperature. The switching point can be set/selected in the monitoring area using the integrated potentiometer.

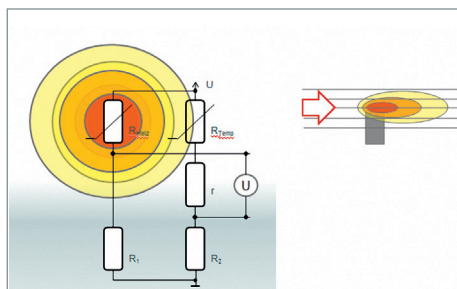


Image - Calorimetric principle

Calorimetric principle

The calorimetric principle relates to the transport of heat from a heated body to the surrounding medium (e.g. air). The quantity of heat discharged depends largely on the flow speed of the air. Evaluation of these measured quantities provides a measurement of the air flow speed.

Advantages

- Calibrated measurement value recording
- Comparison with adjustable set value
- Starting transition time
- Long-lasting output relay (changeover contact)
- Compact and complete monitoring equipment
- Multi-colored LED for different operating conditions
- Pollution resistant
- Simple connection via screw terminals
- Adjustable immersion depth
- Simple duct installation
- Reliable industrial design
- Integrated temperature compensation
- Easy to install
- Omnidirectional

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