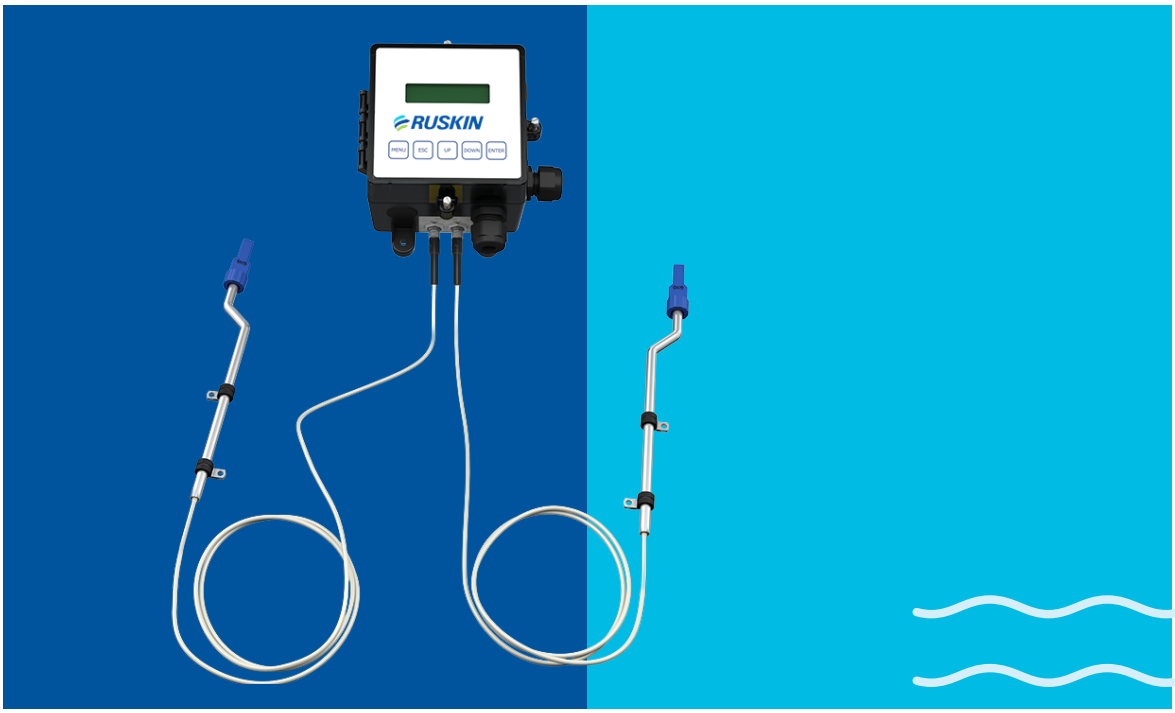
TDFi-RT

RUSKIN
AUTHORITY IN AIR CONTROL

Airflow & Temperature Measuring System for Fan Inlet Applications



A unique air measurement device for fan inlets utilizing thermal dispersion technology to establish both airflow rate and air temperature for a building's automation system. This information allows the building's automation system to automatically control speed of the supply, return or exhaust fans and adjust damper positions to maintain HVAC airflow requirements.

The **TDFi-RT** uses standoff cantilevered sensor mounting to properly position the sensors in the air stream and minimize hardware located in the fan's inlet. This mounting concept allows the sensors to measure airflow rate by monitoring both the rate at which heat is dispersed from its heated thermistor and the overall ambient temperature of the air entering the fan from its passive thermistor.
One or two sensors can be used per fan inlet.
The **TDFi-RT** air measurement system can collect information from up to 16 fans – and even from one or more air handling units when using the BACnet network interface. On a fan array, the airflow from each individual fan can be monitored to help pinpoint a failed fan in the system.

Ruskin® 3900 Dr. Greaves Rd · Kansas City, MO 64030 **P:** (816) 761-7476 **F:** (816) 765-8955 **E:** ruskin@ruskin.com **W:** www.ruskin.com

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FEATURES INCLUDE

- Analog outputs and an RS-485 interface for BACnet MS/TP or Modbus RTU is standard
- One interface supports 1 to 16 fans with 1 or 2 sensors per fan
- Ability to monitor airflows of individual fans, fan arrays, and fans in differing systems
- Airflow measurements from 0 fpm to 10,000 fpm
- Temperature measurements from -25°F to 140°F
- Standoff mounting using cantilevered design
- Built-in 1-, 2- or 3-point field calibration after installation to obtain spot-on installed accuracy
- Two-line, 16-character display for easy setup, configuration and real-time airflow and temperature

The ***Ruskin*® TDFi-RT** can help satisfy the requirements for minimum outside air as required by LEED (USGBC); ASHRAE 62.1, ASHRAE 90.1 and ASHRAE 189.1; California Title 24; International Mechanical Code (IMC) and the International Energy Conservation Code (IECC).

For more information about the **TDFi-RT** from Ruskin, visit **www.ruskin.com/model/tdfi-rt**

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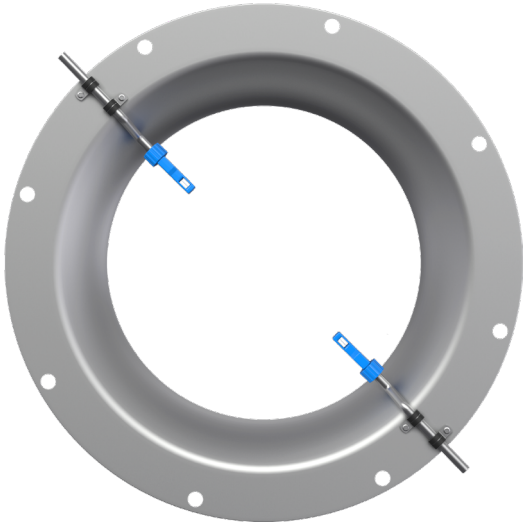

Fan Inlet

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