

RUSKIN AIR MOVEMENT SOLUTIONS FOR THE TEMPERATURE CONTROL INDUSTRY

TC PRODUCT LINE CARD



AIRFLOW MEASURING AND CONTROL – INDOOR AIR QUALITY (IAQ)

- ▶ Electronic Airflow Measuring (Thermal Dispersion Technology)
- ▶ Velocity Pressure Airflow Measuring (Differential Pressure Technology)
- ▶ Complete Turn-Key Airflow Measurement and Control Packages – built, assembled, and calibrated by Ruskin
- ▶ Airflow Measurement Actuators (BACnet Interface)
- ▶ Airflow Measuring Louvers
- ▶ Airflow, Velocity, and Differential Pressure Flow Meter
- ▶ IAQ Accessories



Ruskin® offers the most comprehensive range of airflow measuring and control solutions in the industry.

COMMERCIAL CONTROL AND MANUAL DAMPER SOLUTIONS

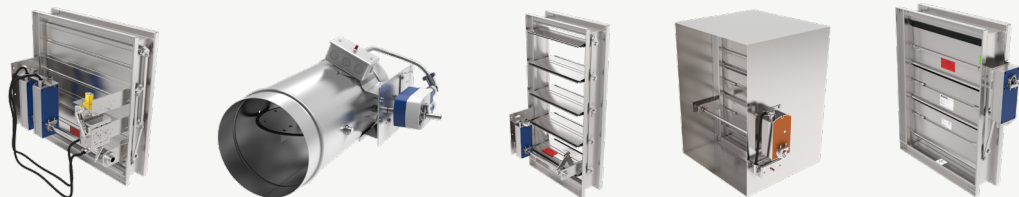
- ▶ Commercial Control Dampers
- ▶ Insulating Control Dampers
- ▶ Balancing Dampers
- ▶ Data Center Damper Solutions
- ▶ Critical Environment Dampers
- ▶ Zone Dampers



Ruskin® provides the perfect control damper for all commercial applications including: commercial control, critical environment and data center solutions.

LIFE SAFETY SOLUTIONS

- ▶ Class-1A and Class II Combination Fire and Smoke Dampers
- ▶ True Round Combination Fire and Smoke Dampers
- ▶ Smoke Dampers
- ▶ True Round Smoke Dampers
- ▶ Life Safety Accessories, including Replacement Actuators, End Switches and Electronic Fuse Links



Ruskin® manufactures an extensive line of UL-rated and listed dampers to protect your life and building fabric.

DAMPER ACCESSORIES

- ▶ Extended Shaft Kits
- ▶ Actuators
- ▶ Damper Parts, Jackshaft Kits and Accessories
- ▶ End Switches
- ▶ Hand Quadrants
- ▶ Nema 4 Enclosures and Explosion Proof Housings
- ▶ Fuselinks



Ruskin® stocks most damper actuators, parts and other accessories to facilitate speed to our customers.

Ruskin® helps our partners build better buildings by ensuring adequate airflow rates into occupied spaces for healthy, comfortable environments.

Our knowledgeable Temperature Control team is alert to our customers needs and will provide expert advice and exceptional customer service.

Great products and excellent service – that is why we lead the air control industry.

Advantages when taking part in our Temperature Control Program by using Ruskin® Dampers:

- * Direct access to select Ruskin Products
- * Competitive Pricing
- * Excellent Customer Service including quick pricing assistance
- * Express Manufacturing Options
- * Exclusive 5 Year Limited Warranty

Contact the Ruskin TC Team
 tc-sales@ruskin.com
 www.ruskin.com

THERMAL DISPERSION HIGHLIGHT

TDP05K

Airflow & Temperature Measuring Probes

- ▶ 0 to 5,000 FPM (0 to 25 ms)
- ▶ Highest sensor density thermal dispersion array; up to 128 sensing points. Makes any bad location better!
- ▶ Daisy chain wiring using twisted shielded standard cabling. NO expensive proprietary cabling
- ▶ Surface mounted thermistors on flexible polyimide substrate; LOW power consumption
- ▶ NO transmitter box or 'home run' cabling needed
- ▶ BACnet and Analog output standard



Remote

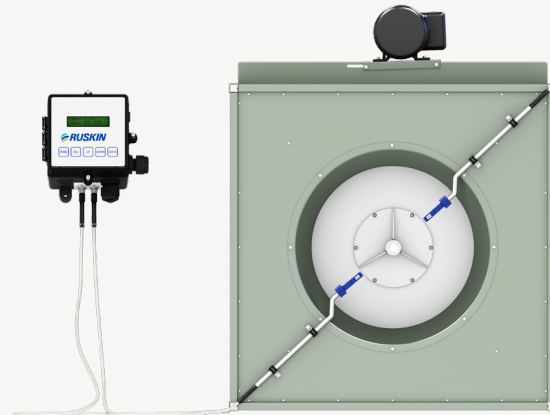
Ancillary

Primary

TDFI-RT

Fan Inlet Airflow Measuring System

- ▶ Ruskin's advanced thermal dispersion airflow measurement technology provides accurate, repeatable measurement from zero to 10,000 fpm
- ▶ Standoff Mount Fan Inlet Sensors
- ▶ Cantilevered Design
- ▶ Host Monitor: Mounted local or remotely. The Host is the User and Network interface
- ▶ Non-proprietary daisy chain wiring. (Host->Client->Client-> up to 16 Client boxes)
- ▶ One interface (Host) supports up to 16 fans (same or different fan size/type)
- ▶ Built-in 1, 2, or 3 point field calibration using actual airflows. Field calibration after installation is required to achieve specified accuracy
- ▶ NEMA1 monitor boxes standard; NEMA 4 available as an option
- ▶ Sensor Housing Assembly certified to IP-54 rating criteria per IEC 60529, Ed. 2.2 08/29/2013



Take advantage of Ruskin's electronic airflow measuring portfolio in order to satisfy your entire project schedule!

- * Select model TDP05K for your duct/plenum applications!
- * Select model TDFI-RT for your fan inlet applications
- * Each product utilizes thermal dispersion technology and a common communications platform to effectively deliver information to your BAS
- * Designed and built by Ruskin to support increasing system efficiencies and achieving healthier indoor air quality