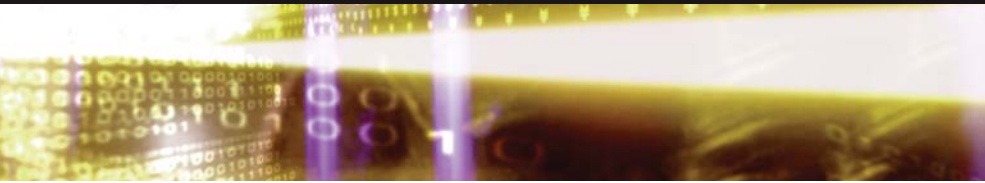# What makes Validat*O*r
Unique and Superior?

The Validator provides facility owners with reliable, practical, constant, programmable and inexpensive damper testing and maintenance over the life of the damper and facility. After the initial investment and installation costs of the Validator system the building owner will see the investment pay for itself within

2-3 years. The Validator system keeps a historical record for facility owners to easily produce hard copy documentation of damper testing and maintenance to the Authority Having Jurisdiction (AHJ).

What makes the Ruskin Validator unique and superior to any other "monitoring" system?

Superior Value

- The Validator System is a powerful tool, at the lowest possible design cost structure.
- The Ruskin Gateway/Router the "brains" of the system houses the open protocol in a central location within a building, reducing overall system component costs.
- The RSDC control cards have the perfect amount of input/output contacts to constantly monitor fire/smoke or smoke dampers.
- "Rnet" a sub-network protocol, unique to Ruskin, provides a specific and inexpensive communication network between the Gateway/Router and the RSDC's.

Unique Damper Monitoring

- Unique logic specifically designed to *constantly* "monitor" fire/smoke and smoke dampers.
- Automatic alarm indication when a problem is detected. This eliminates *manual* monitoring

of an analog signal or the high cost of visual damper inspection.

- Unique convenient "test" jumper on RSDC located at each damper for easy power interruption during repair or visual operations.
- Constant real-time damper monitoring for trouble.
- Defined alarm contacts provide maintenance personnel troubleshooting feedback prior to gaining access to a damper for repair saving valuable time.
- System monitors "positive" blade indication open/closed contacts of the UL approved Ruskin SP100 mechanically attached to the damper blades.
- Alarms and validation sequence information is stored and is printable for inspection by insurance companies, local fire marshals and code officials during regular inspections of the building life safety components.

Superior Seamless Integration

- The Ruskin Gateway/Router open protocol port allows for communication with any BMS/BAS system.
  – Johnson N2, BACnet, ModBus, LonWorks

- The Gateway/Router can be easily converted in the field to a different or new protocol.

- The Gateway/Router takes up only one hardware space on a BMS/BAS communication network which means less front-end coordination during the integration phase to the BMS/BAS.

- The Gateway/Router stores a complete alarm history for reference at any time through a BMS/BAS front-end.

Superior Flexibility & Expandable Architecture

- If a building's front-end protocol changes typically there are no requirements for the Validator hardware to change. Simply reprogram the open protocol port on the Ruskin Gateway/Router.

- The Gateway/Router is programmable for up to 99 RSDC's/dampers, but is flexible enough to configure to any amount less than 99.

- Multiple Gateway/Routers may be used for systems larger than 99 RSDC's/dampers.

- Gateway/Routers may be strategically located in multi-story buildings easing installation wiring and connectivity.

- A maximum of 199 Gateway/Routers may be interconnected on a Local Server scenario.

- Gateway/Routers accessed via the World Wide Web may be virtually unlimited in physical location and quantity.

- The Validator supports multiple-building management from one central location.

Interactive Software

- Optional software package with visual graphic representation of each damper and it's current status and alarm signals. The damper graphics titles are customizable (i.e. Northwest Surgery Room).

- Optional software upgrade featuring visual graphic floor and riser plans customizable to customer specific building layout.

Seamless Integration with Fire Alarm Systems

- During a smoke detection alarm on any damper the Validation functionality stops and the fire alarm system takes control.

- By monitoring the fire alarm system the RSDC will stop all Validation functionality and allows the fire alarm system to take control.

Superior Engineering & Design

For more than 40 years Ruskin has "made it happen" with innovative products and installation solutions that have made us the industry's leading fire/smoke damper manufacturer. "Specified by Many…Equaled by None" is not just a slogan, it's an attitude.

ISO9001 CERTIFIED

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