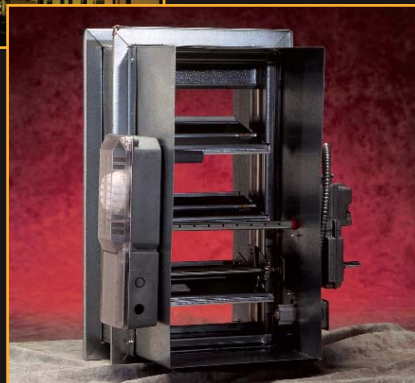


Ruskin ValidatOr

Smart Fire/Smoke Damper System



REACHING NEW LEVELS IN FIRE/SMOKE DAMPER COMMUNICATIONS



RUSKIN[®]



INNOVATIVE PRODUCTS. INSTALLATION SOLUTIONS. IMPRESSIVE SAVINGS.

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... Equalled by None” is not just a slogan, it’s an attitude. Our latest innovation is the *Ruskin Validator Smart Fire/Smoke Damper System*.

What is the Ruskin Validator Smart Fire/Smoke Damper System?

The *Ruskin Validator System* includes the industry’s best fire/smoke dampers integrated with communication capabilities. It provides an opportunity for seamless integration of building systems and interoperability that can result in impressive cost savings.

Why should I use the Ruskin Validator Smart Fire/Smoke Damper System?

Ruskin developed the *Validator System* to ensure the HVAC life/safety systems provide protection for the life of the building. Periodic verification of proper operation is vital to keep life/safety systems functioning properly. The *Ruskin Validator System* uses an open protocol to communicate with the building automation system to make normal, code required testing and maintenance very simple. Using the *Ruskin Validator System* can result in significant savings in the following four areas:

1. Original Installation – The *Ruskin Validator System* is installed utilizing low voltage twisted pair communication. Because the network is flexible, the communications wiring can be routed in the most convenient fashion...whether that be daisy chain, star, parallel, etc.

2. Power Requirements – The *Ruskin Validator System* allows localized power supply for damper actuation, eliminating the “pulling” of 5 to 7, 12 or 14 gauge (AWG) wires from each fire/smoke damper back to a central fire panel. The difference in labor and material cost is significant.

3. Job Start-Up – Once fire/smoke dampers are installed they must be tested in accordance with job start-up procedures. Start-up testing costs can be greatly reduced with the use of the *Ruskin Validator System*. Before the *Ruskin Validator*, errors uncovered during commissioning of systems with lights and switches would require troubleshooting time and rewiring. However, with the *Ruskin Validator System*, only an address change would be needed, thereby saving the cost of troubleshooting, rewiring and the potential for creating other problems. Quick validation from a central location and faster correction time result in lower startup costs.

4. Maintenance and Service – Maintenance and service are vital to keep critical life/safety systems functioning properly. The *Ruskin Validator System* can drastically reduce the number of

man-hours required to maintain and service fire/smoke dampers. If a damper fails to cycle properly during validation testing, you’ll know exactly where it is, and you will be able to review the alarm report information to identify the type of failure. This can help expedite the maintenance and repair process. The man-hours saved can be applied in other critical maintenance and service areas. Not only that, but guaranteed, automated testing, possible only with the *Ruskin Validator System*, can result in lower insurance costs.

Ruskin Validator Smart Fire/Smoke Damper System Architecture.

The *Ruskin Validator System* uses Ruskin Smart Damper Controllers (RSDC) that can be quickly connected by the fire/smoke damper and powered by a local 120 volt circuit. The RSDC (up to 99) are then connected to the *Validator* router. This “open protocol” router opens the door to seamless integration using a local area network (LAN) and the Building Automation System. Connection (through a server) to the Internet and access via the worldwide web is available.

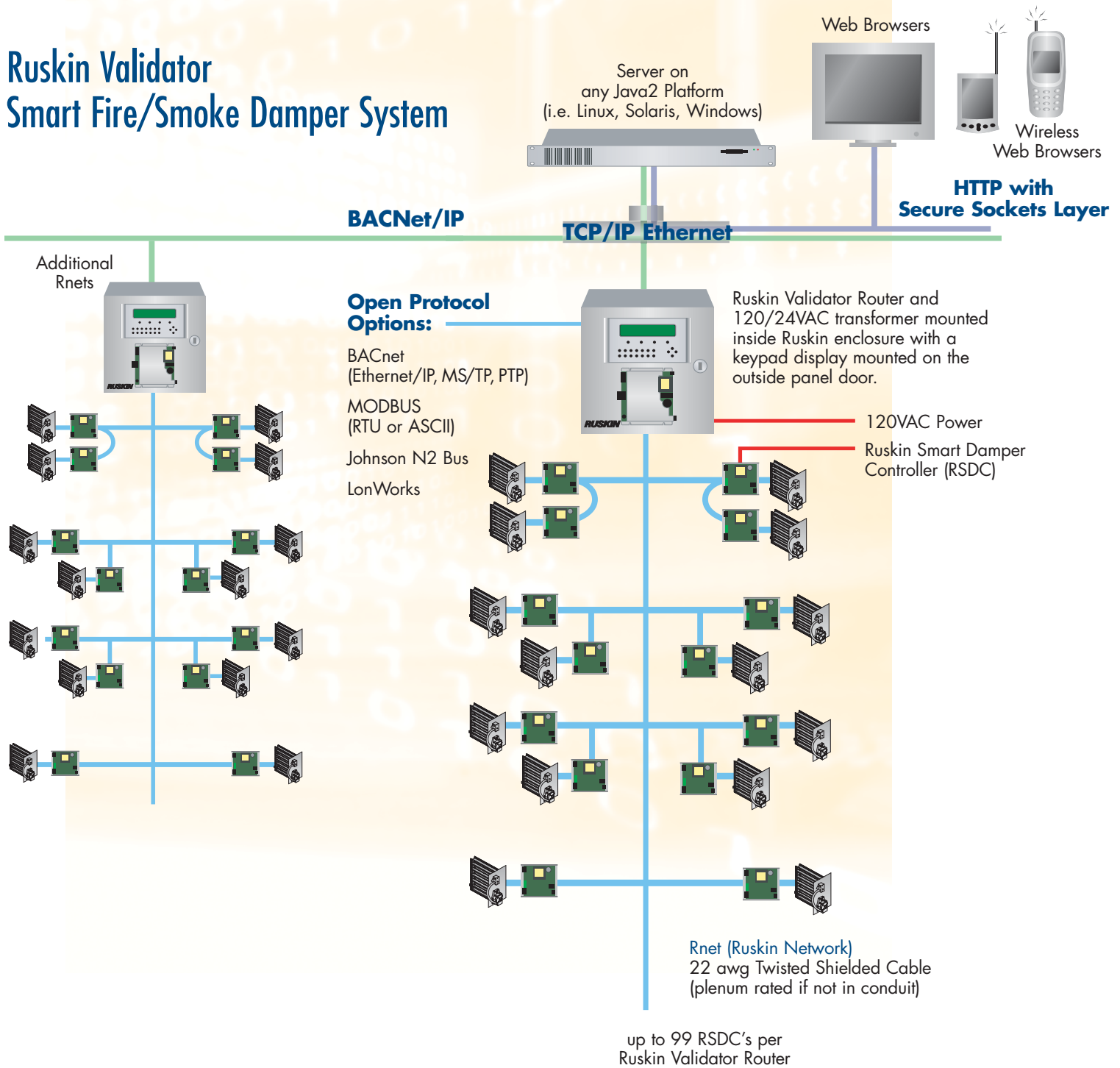
Summary

Specifying and installing the *Ruskin Validator Smart Fire/Smoke Damper System* results in:

- enhanced control
- design flexibility
- significant cost savings

For more information contact your local Ruskin representative.

Ruskin Validator Smart Fire/Smoke Damper System



RUSKIN VALIDATOR SYSTEM FEATURES

- Open Protocol Validator Router
- Twisted Pair Communications
- Local Smart Damper Controllers (RSDC)
- Local Area Network Interconnectivity
- Full Address Assignments
- World Wide Web Accessible

RUSKIN VALIDATOR SYSTEM BENEFITS

- Remote Validation of HVAC Life/Safety Operability
- Low Cost Installation
- Speeds Commissioning of Buildings
- Significant Maintenance Savings
- Remote Damper Position Indication
- Automatic Smoke Damper Operation and Testing
- Automatic Maintenance Logs
- Constant Monitoring
- Smoke Detector Integration



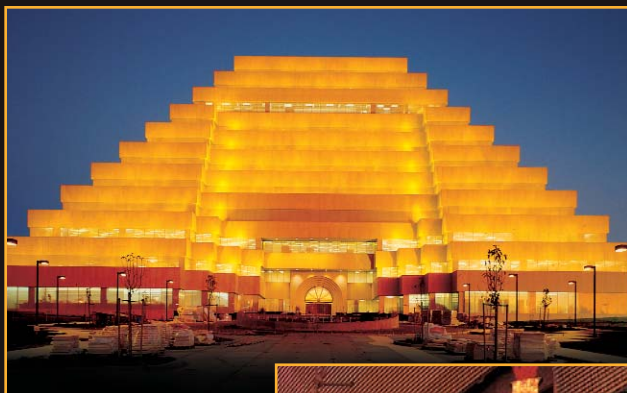
Hospitals



Schools

AUTOMATIC TESTING AND VERIFICATION

Operate, Validate, Report...



Offices & Hotels



Retail



Meeting tomorrow's requirements for fire and smoke protection today.

The Validator system interfaces with Ruskin's complete line of fire and smoke damper products — the largest product line in the industry.

Ruskin dampers are available to handle all challenging applications and installation variations, including:

- Horizontal and vertical blades with accessible actuators above, below or on the side of the dampers
- Round, oval and square transitions
- True round
- Out of wall
- Angle one side
- Firestop installation
- Single piece airfoil blades
- Optional security bars
- Optional smoke detectors
- Completely assembled multi-section dampers with factory tested motors and single point connections
- Corridor dampers for ceiling and wall mounted applications
- Class I, II and III UL 555S leakage ratings
- 1½ or 3 hour ratings



To learn more about our complete line of products, and to find the name of the Ruskin representative nearest you, visit our website at www.ruskin.com or call us at **(816) 761-7476**.

RUSKIN[®]

Air & Sound Control
Specified by Many – Equaled by None

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