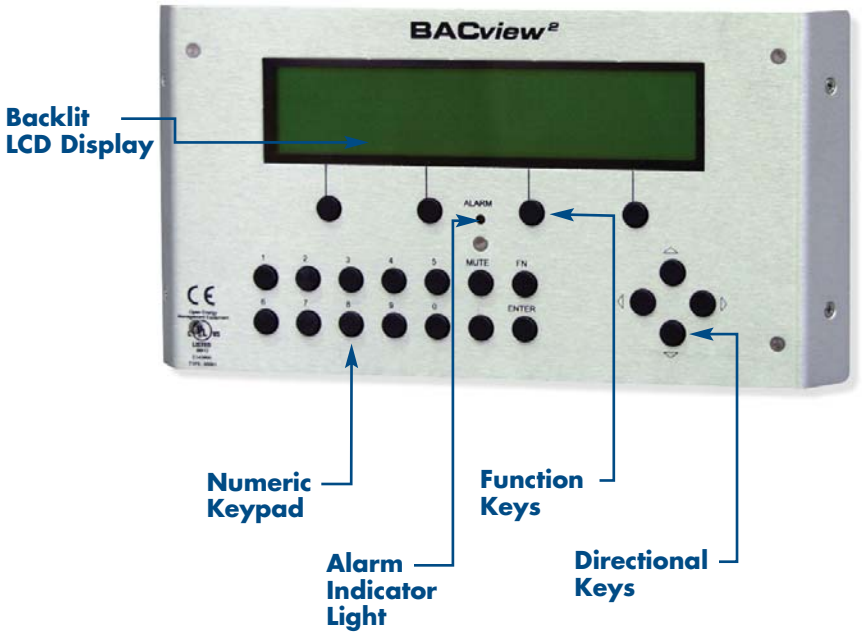
Ruskin ValidatOr

BACview • OPTIONAL KEYPAD/DISPLAY

Ruskin, the HVAC industry's leading fire/smoke damper manufacturer, brings you the latest in fire/smoke damper technology. Ruskin Validator is a testing and maintenance System that includes the industries **first** fire/smoke damper integrated with communication capabilities. The Ruskin Validator System was developed to ensure HVAC life/safety systems provide protection for the life of the building. *Because failures are unpredictable, periodic testing and verification of proper operation is vital to keep life/safety systems functioning properly.* The BAC*view* is a keypad/display unit that connects to the Ruskin Gateway/Router and allows the user to perform or initiate testing, view operation and view/reset alarms. It is an optional part of the Validator System and is ideal for small facilities or local access where integration via a local area network (LAN) to Building Automation Systems or connection to the Internet and access via the worldwide web is not required nor desired.



ADDITIONAL FEATURES & BENEFITS

- *Backlit LCD display provides for easy reading even in poor lighting conditions*
- *Features a numeric keypad, directional keys and four programmable function keys*
- *Industry standard Hypertext Markup Language (HTML) simplifies custom displays and menus*
- *Password protection delivers security*
- *Local access speeds decision making and problem solving*
- *Includes an alarm indicator light and audible warning*
- *Factory mounted on the Ruskin Gateway/Router panel*

ENGINEERS & ARCHITECTS VALIDATOR SYSTEM SPECIFICATIONS

Fire and smoke damper testing and maintenance system meeting the following specifications shall be furnished and installed where shown on the plans and/or described in schedules. The testing and maintenance system shall be comprised of 3 components: a damper controller for each damper, a gateway/router for each 99 controllers and a keypad/display through which the testing and maintenance system can be accessed. The testing and maintenance system shall also have the optional capability to connect to the Internet and be accessible via the world wide web.

The damper controller shall be factory installed in an easy access wall mount enclosure. The enclosure shall contain a pre-wired terminal with large terminal connection screws for easy electrical connection to a local 120 VAC power supply. The controller shall be UL 268A listed, addressable, and shall be capable of being connected to other controllers and the gateway/router using low voltage communication wiring via an EIA 485 serial port. The communications wiring shall be flexible for routing and shall be twisted pair shielded cable.

The gateway/router shall be UL 916, CSA and CE listed and shall accept up to 99 controllers. It shall be factory mounted in an enclosure with the keypad/display for easy installation. The gateway/router shall include one Ethernet port, one open protocol port configurable for EIA-232 or EIA-485, and one EIA-485 serial port. The gateway/router shall be capable of seamless integration using a local area network (LAN), open protocol port and/or connection through a server to the Internet and accessible via the world wide web.

The keypad/display shall be UL 916, CSA and CE listed and (if used) shall be factory mounted in an enclosure with the gateway/router. The keypad/ display shall allow the user to perform or initiate testing, view operation and view/reset alarms.

The fire and smoke damper testing and maintenance system shall continuously monitor each fire and smoke damper to verify that the damper is open. The system shall alarm if a damper closes for any reason other than a test or if a smoke detector, used in conjunction with the damper, goes in to alarm or if a damper fails to go full open or full closed. The system shall allow tests to be fully automated or manually performed through the keypad/display unit. Automated tests shall have the capability of being varied to meet local requirements. Dampers shall be tested one at a time with a minimum one minute time delay between each damper test to avoid havoc in the building. The fire and smoke camper testing and maintenance system shall be the Ruskin Validator System.

BAC*view* SPECIFICATIONS

Power
Supplied by a 14 conductor ribbon cable

Power Consumption
8.4 VA

LCD Display
Features a 4 line by 40 character wide display

Environmental Operating Range
32˚F - 120˚F (0˚ - 48.9˚C), 10% - 95% RH non-condensing

Approval
UL 916, CE, FCC Part 15 – Subpart B – Class A

Mounting
Factory mounted to Gateway/Router hinged door enclosure

Dimensions
9-5/8" W x 4-7/16" H x 1" D (24.4 cm W x 11.3 cm H x 2.54 cm D)

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