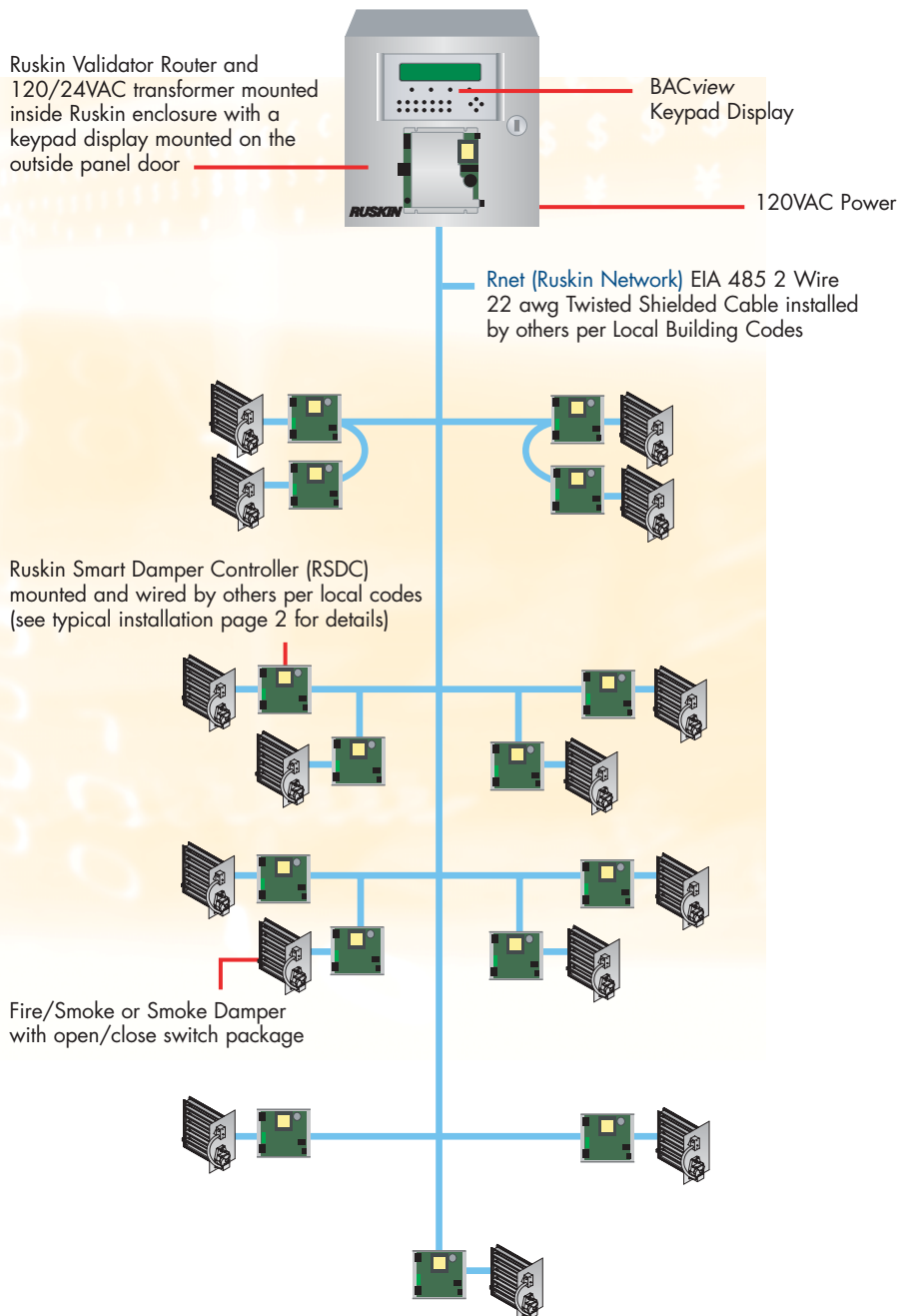


## APPLICATIONS

### Stand Alone



#### VALIDATOR COMPONENTS

- Ruskin Router with Keypad Display
  - RSDC\*
  - Open/Close Switch Package\*
- \*One per damper assembly

#### SYSTEM FEATURES

- Keypad Display Interface with Router
- 100 Event Activity Log for Manual Review
- Scheduling or Manual Validating Commands Through Keypad
- Built-In Upgrade to BMS/BAS Interface
- Password Protected

#### RECOMMENDED APPLICATION

- System with 15 Dampers or Less
- Buildings without BMS/BAS Systems
- Manual Documenting or Reporting Required by Others
- Validation Scheduling Provided
- No Hard Copy Validation Report Desired

## VALIDATOR COMPONENTS

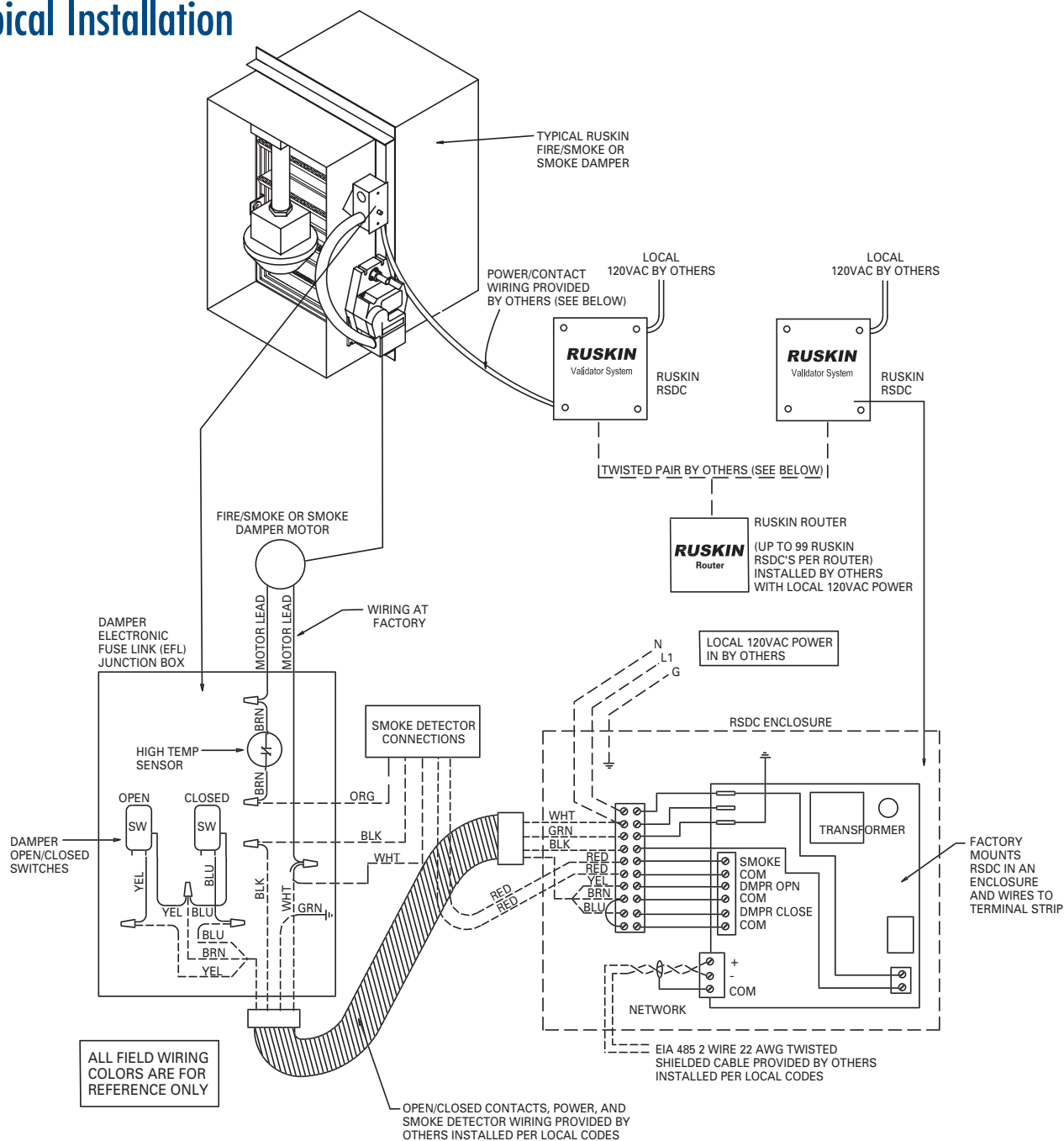


## Ruskin Router



Ruskin RSDC

## Typical Installation

**RUSKIN®**

## ***Air & Sound Control***

### ***Specified by Many – Equaled by None***



[www.ruskin.com](http://www.ruskin.com)

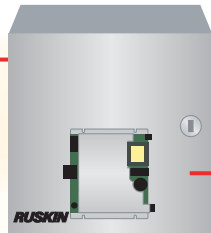
ISO9001  
CERTIFIED

## APPLICATIONS

### Stand Alone with BMS/BAS Interface

#### Open Protocol Options to BMS/BAS built-in to Router:

BACnet  
(Ethernet/IP, MS/TP, PTP)  
MODBUS  
(RTU or ASCII)  
Johnson N2 Bus  
LonWorks



Ruskin Validator Router and 120/24VAC transformer mounted inside Ruskin enclosure

120VAC Power

Rnet (Ruskin Network) EIA 485 2 Wire  
22 awg Twisted Shielded Cable installed by others per Local Building Codes

Ruskin Smart Damper Controller (RSDC)  
mounted and wired by others per local codes  
(see typical installation page 2 for details)

Fire/Smoke or Smoke Damper  
with open/close switch package

up to 99 RSDC's per  
Ruskin Validator Router  
(multiple Routers for applications  
greater than 99 dampers)

#### VALIDATOR COMPONENTS

- Ruskin Router (1 per 99 dampers)
  - RSDC\*
  - Open/Close Switch Package\*
- \*One per damper assembly

#### SYSTEM FEATURES

- Open Protocol Interface  
Pre-Programmed
- Ruskin Provides Point-Map of Router
- Scheduling or Manual Validating  
Commands Through BMS System
- Validation Report Data Available  
Through BMS/BAS
- Built-In Ability to Change Protocols  
in Field without Extra Hardware

#### RECOMMENDED APPLICATION

- Single Building System
- Validator Seamless Integration  
with Customer BMS/BAS
- History Log Documents Set-up  
by Others
- All Visual Graphics by Others
- Validation Scheduling by Others

## VALIDATOR COMPONENTS

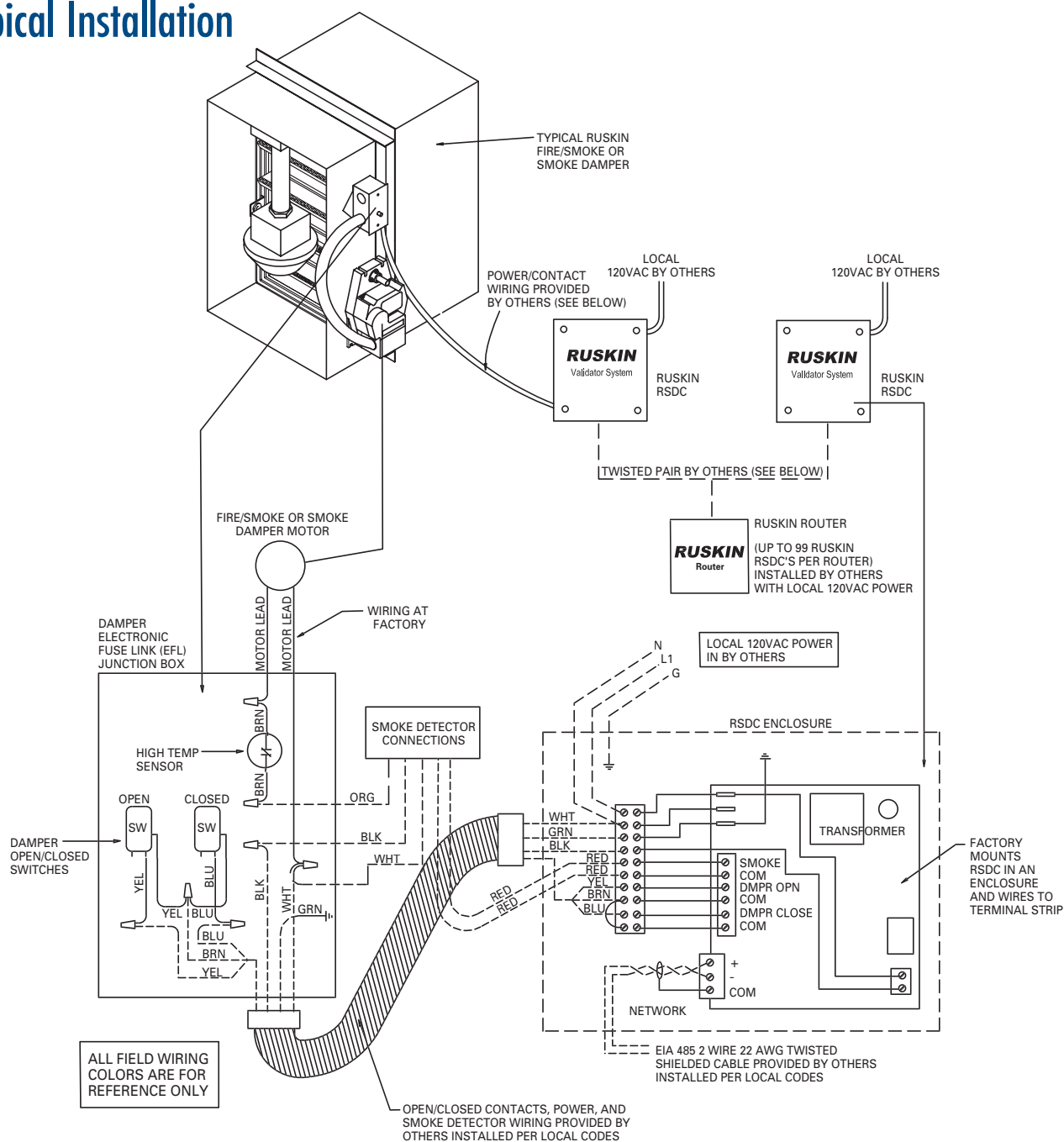


## Ruskin Router



Ruskin RSDC

## Typical Installation



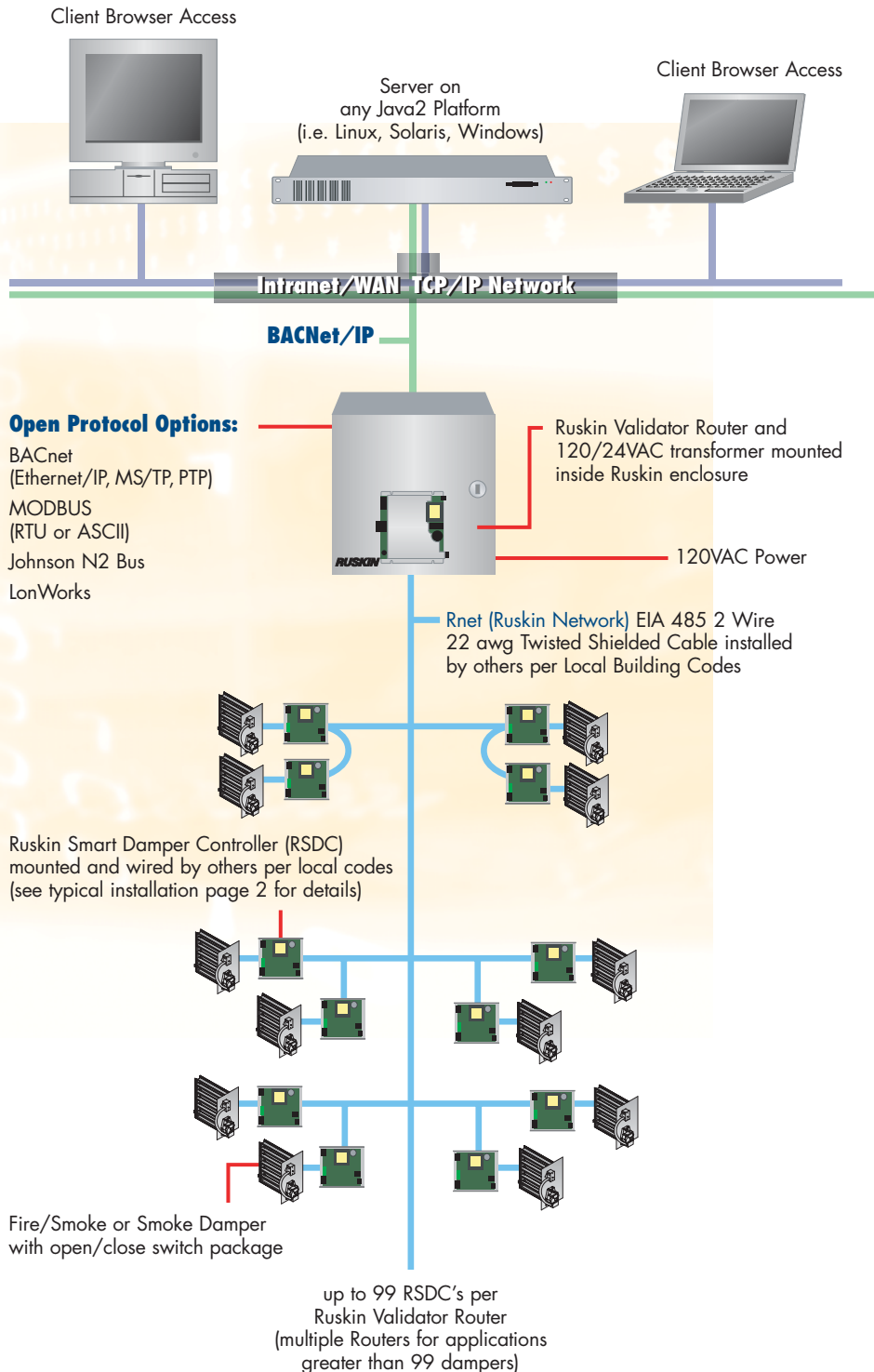
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**Air & Sound Control**  
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[www.ruskin.com](http://www.ruskin.com)

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## APPLICATIONS

### Local Server with Browser Interface



#### VALIDATOR COMPONENTS

- Local Server/Software with Graphic Display of Damper Status/Alarms
  - Optional Floor/Riser Graphics
- Ruskin Router (1 per 99 dampers)
- RSDC\*
- Open/Close Switch Package\*
  - \*One per damper assembly

#### SYSTEM FEATURES

- Open Protocol Interface Pre-Programmed
- Local Area Network Interconnectivity
- Includes Scheduling or Manual Validating Commands
- Printable Unlimited History Validation Log
- Multiple User Interface
- Password Multiple Access Levels
- Built-In Ability to Change Protocols in Field without Extra Hardware

#### RECOMMENDED APPLICATION

- Single Building System
- Local Area Network Interconnection
- Graphics of Damper Status/Alarms
- Printable History Logs
- Validation Scheduling Included



## VALIDATOR COMPONENTS

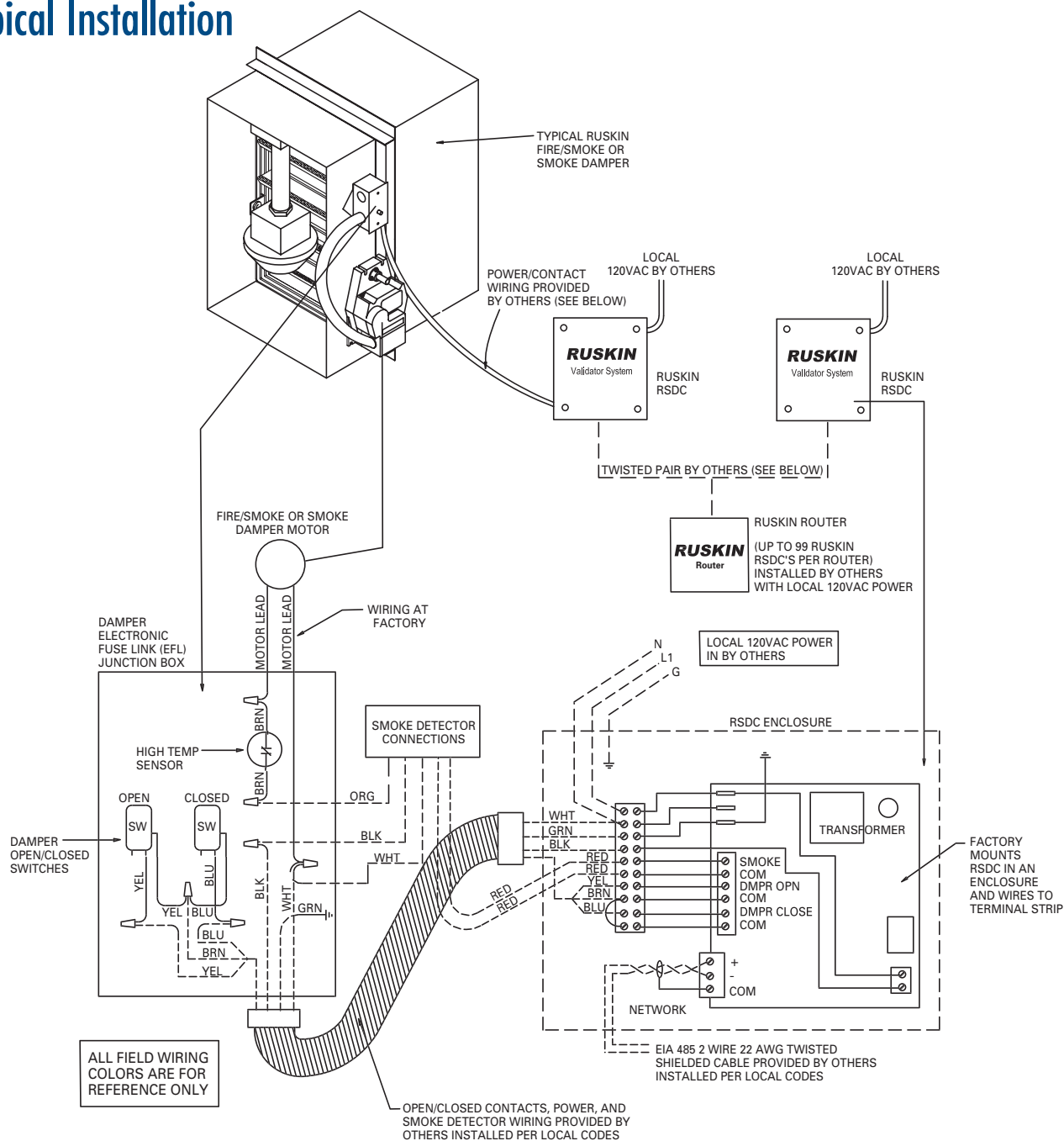


## Ruskin Router



Ruskin RSDC

## Typical Installation



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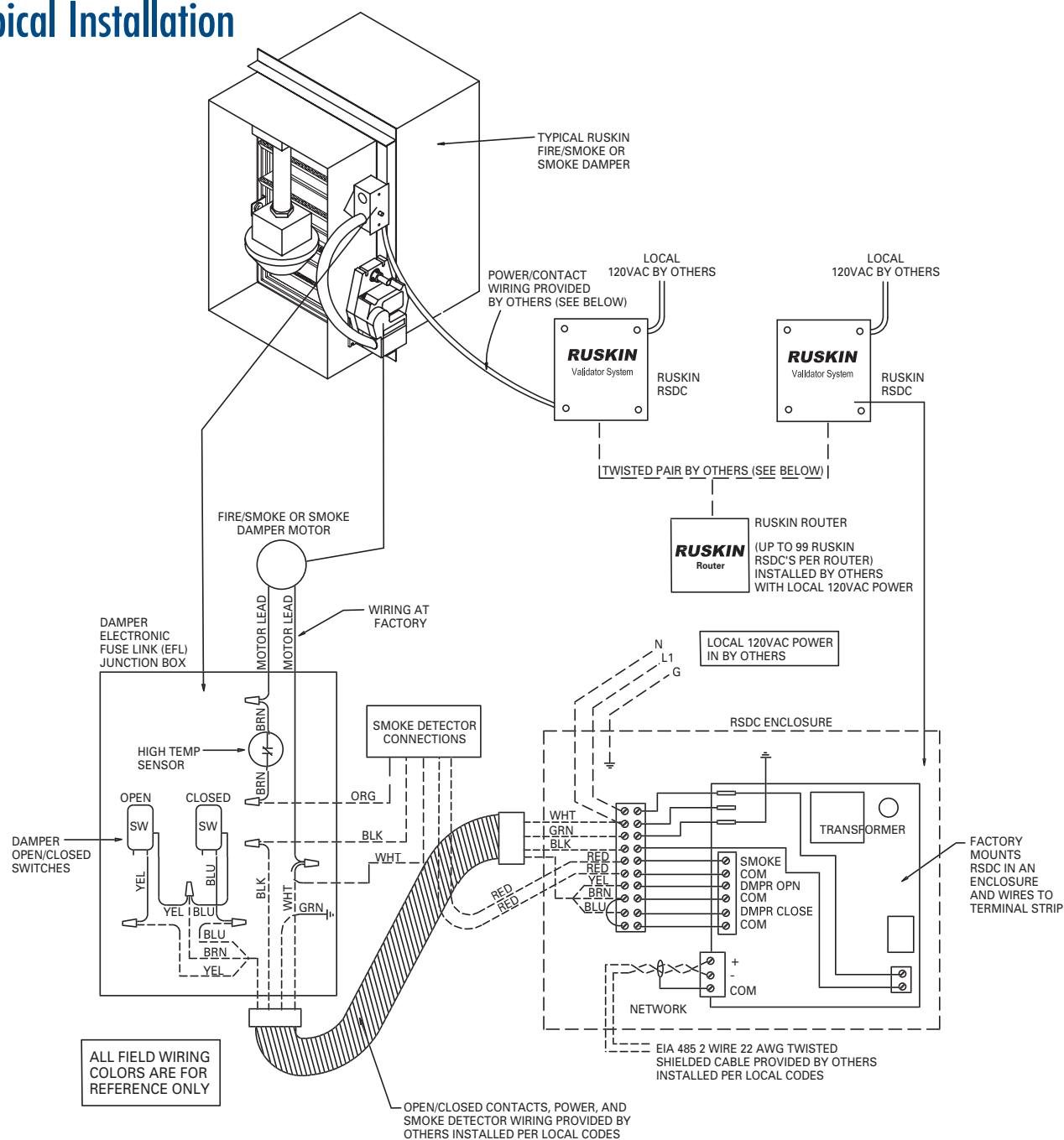
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- *Multiple Building Systems*
- *Multiple User/Multiple Location Interface*
- *World Wide Web Accessible*
- *Graphics of Damper Status/Alarms*
- *Printable History Logs*
- *Validation Scheduling Included*

## Typical Installation



## Typical Installation



ALL FIELD WIRING  
COLORS ARE FOR  
REFERENCE ONLY

OPEN/CLOSED CONTACTS, POWER, AND SMOKE DETECTOR WIRING PROVIDED BY OTHERS INSTALLED PER LOCAL CODES

