# ProVent

## Before Starting Installation
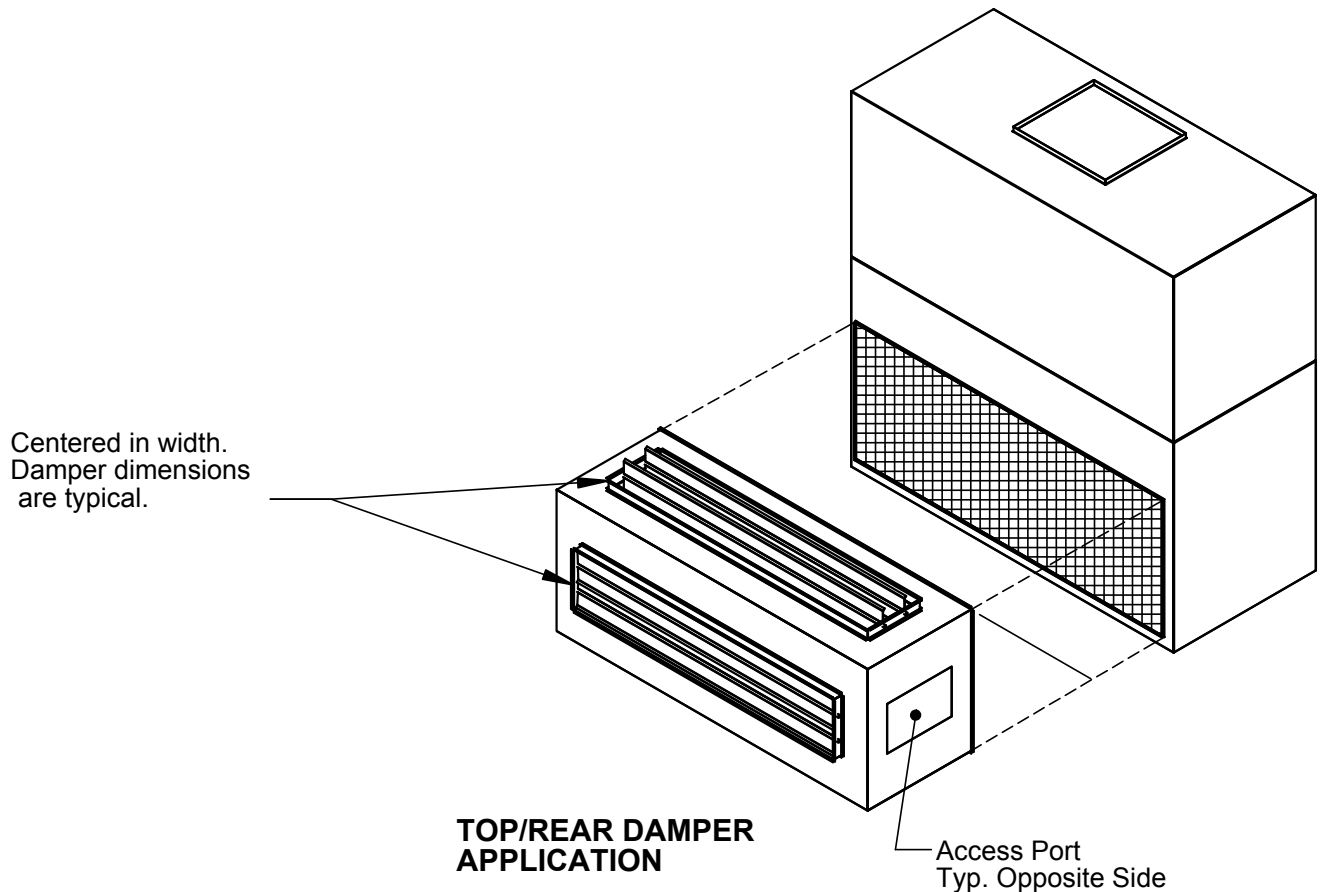
| Warning |
|---|
| Shut power to unit prior to any work being done.  Personal injury or death could result. |
| Only qualified HVAC service personnel should install, troubleshoot, repair or service HVAC and related HVAC equipment. |

| PARTS INCLUDED | QTY. |
|---|---|
| #12 x 3/4" Screw | 1 Set |

ILL. 1



Centered in width. Damper dimensions are typical.

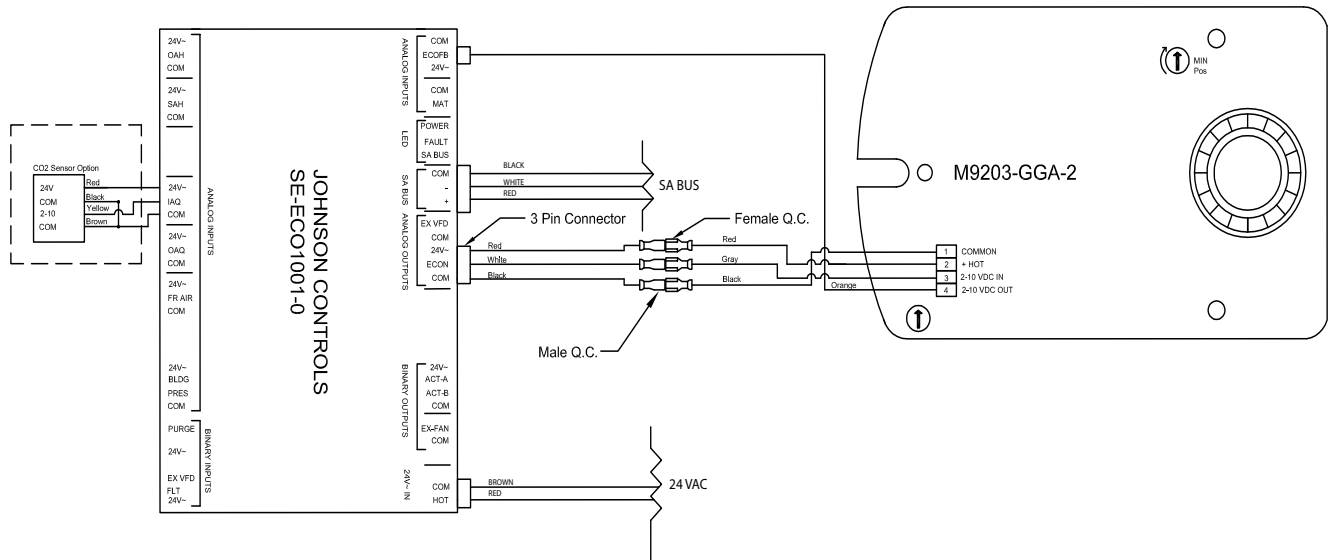**TOP/REAR DAMPER APPLICATION**

Access Port
Typ. Opposite Side

## Installation Instructions:

1. Locate harness with the brown wire and red wire (24V). Connect this harness into the "24V-IN" connections on the economizer controller. Locate the harness with the black wire, white wire, and the red wire (SA BUS). Connect this harness to the "SA BUS" connections on the economizer controller. Refer to the unit wiring diagram.

2. Reconnect the power to the unit- follow all safety instructions, rules and codes.

   See unit Installation, Operation and Maintenance manual for instructions to verify the unit controller and the economizer controller are communicating properly.

# ILL. 2
## Control Wiring Diagram

JOHNSON CONTROLS
SE-ECO1001-0

M9203-GGA-2

MIN Pos

24V~ OAH COM
24V~ SAH COM

CO2 Sensor Option
24V COM 2-10 COM
Red Black Yellow Brown

24V~ IAQ COM
24V~ OAQ COM
24V~ FR AIR COM
24V~ BLDG PRES COM
PURGE 24V~
EX VFD FLT 24V~

ANALOG INPUTS
BINARY INPUTS

COM ECOFB 24V~
COM MAT
POWER FAULT SA BUS
COM - +
EX VFD COM 24V~ ECON COM
24V~ ACT-A ACT-B COM
EX-FAN COM
COM HOT

ANALOG INPUTS
LED
SA BUS
ANALOG OUTPUTS
BINARY OUTPUTS
24V~ IN

BLACK WHITE RED — SA BUS

3 Pin Connector — Female Q.C.

Red White Black

Red Gray Black

Orange

1 COMMON
2 + HOT
3 2-10 VDC IN
4 2-10 VDC OUT

Male Q.C.

BROWN RED — 24 VAC

NOTES:

⚠ Unit wiring shown is used as reference only. Check unit wiring for actual unit wiring.

Ensure actuator mode setting is set to 2-10VDC. (Whether this is CW or CCW depends on the model, ensure this is opposite to the spring return, may require flipping of the actuator).

TURN ON THE ECONOMIZER OPERATION
Commissioning <enter>
Econ <enter> turn ON

OCCUPIED SETTING CHANGE TO EXTERNAL (UCD OCC TERMINAL) UNLESS SCHEDULE HAS BEEN PROGRAMMED USING COM BOARD ACCESSORY AND LAPTOP.

Details <enter>
Zone <enter>
Indoor <enter>
OccMode <enter>

Change from schedule to external by moving joystick to the right, select external <enter>
Ensure the OCC terminal on the UCB has a 24VAC signal present.

SET MINIMUM POSITION

Details <enter>
Control <enter>
Econ <enter>
Setup <enter>
Econ-En <enter>

Ensure setting is YES (change to YES if currently set to NO <enter>)
Cancel out
Scroll Down to Econ-MinPos <enter>
Set to desired opening % <enter>

Escape back to Main Menu (Allow up to five (5) minutes for changes to take effect).