

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.

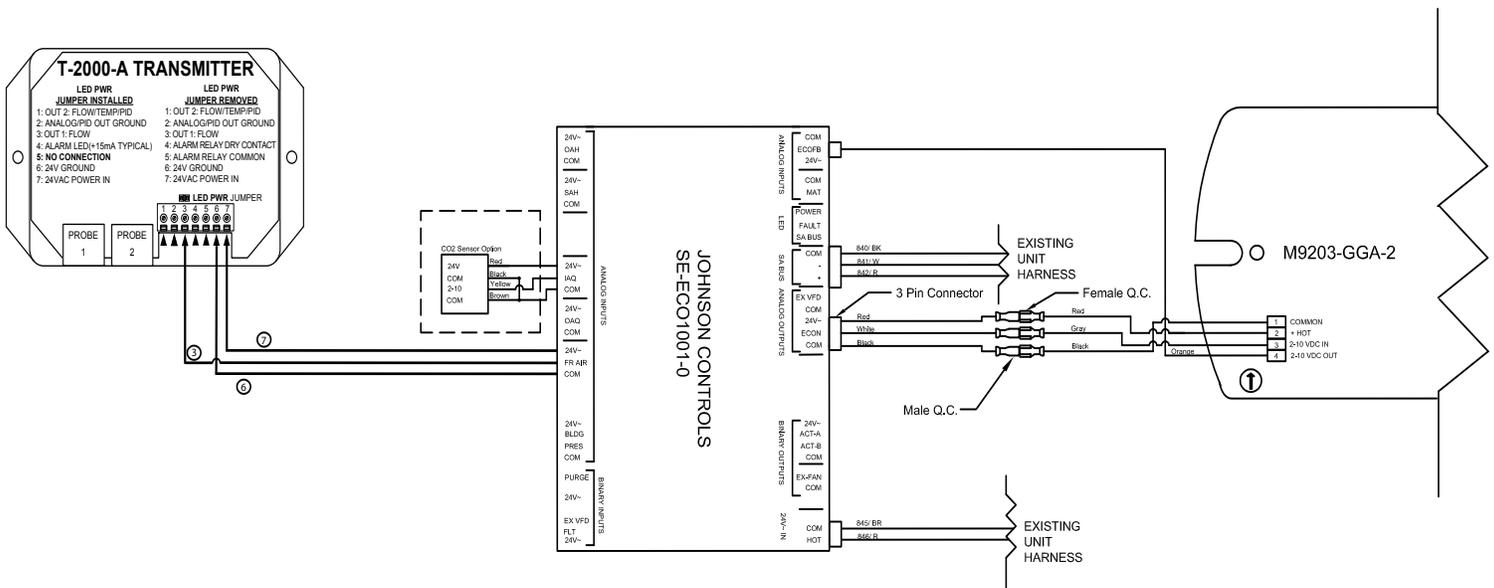
Important

If supplied with power exhaust option, power exhaust power (Molex) connection is located on economizer next to its power connection. Make sure to plug in power exhaust when connecting economizer power in Step 3 of instructions below.

Installation Instructions

1. Turn power off to unit being serviced or worked on.

Control Wiring Diagram



NOTES:

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

RTU SETTINGS

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).

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>

AIR MONITORING AND RELATED DATA

Details <enter>
Control <enter>

- Fresh Air Intake Setpoint (MOAFlow-Sp)
- Fresh Air Intake Value (Fr-Air)
- Fresh Air Max Sensor Range (MOA-Range)

AIR MONITORING OPERATION

The Fresh Air Max Sensor Range must match the range of the Air Monitoring Station on the unit. When the Fresh Air Intake Value falls below the Fresh Air Intake Setpoint the Economizer Damper position increases above minimum position until the Fresh Air Intake Value equals the Fresh Air Intake Setpoint +/- 40 cfm.

When the Fresh Air Intake Value rises above Fresh Air Intake Setpoint the Economizer Damper position decreases until the Fresh Air Intake Value equals the Fresh Air Intake Setpoint or it reaches Minimum Position setpoint.

Note: The Low Ambient Minimum Position may force the damper position below the current setpoint and disables the Air Monitoring Station Reset.

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

AIR MONITOR GreenTrol SETTINGS

To change the settings, simultaneously press and release the "UP" and "DOWN" arrow pushbuttons during normal operation to enter the SETUP menu. Then, using the ENTER button, navigate into the SYSTEM SETUP menu to the sub-menu as shown in the list below. Press "ENTER" to proceed to the right (three times), and then use the "UP" and "DOWN" arrow buttons to select desired value. Press the "ENTER" button to save the changes, and then press "ESC" twice to move left and return to normal operating mode.

SYSTEM SETUP

- o AR1=**DESIRED SQFT** (Set the area for the reading)
- o INT TIM=**5S** (Set the amount of time between updating the flow)

OUT1 SETUP

- o OUT1=**0-10V** (Set the output to 0-10VDC)
- o FS= **DESIRED CFM** (Set full scale analog output for airflow in 1 CFM increments needs to match MOA-Range from RTU settings)