



Installation of ASM01702 VCM-X E-BUS Replacement Controller

The ASM01702 (**Figure 1**) is a drop-in Replacement Controller for the V07150 (**Figure 2**) existing Controller.

There are very few differences between the two controllers. The differences are as follows:

- The existing Controller has an EPROM; whereas, the Replacement Controller does not.
- The LEDs are different.
- The serial and software labels are in a different location.
- The application software is essentially the same but has been recompiled for the new microprocessor in the Replacement Controller.

Follow the directions on the next page to replace the existing V07150 VCM-X Modular E-BUS Controller with the new ASM01702 VCM-X Modular E-BUS Replacement Controller.

NOTE: For additional information, please refer to the *VCM-X E-BUS Replacement Controller Technical Guide* which you can download from—www.aaon.com/controlsmanuals under Previous Generation HVAC Controllers.

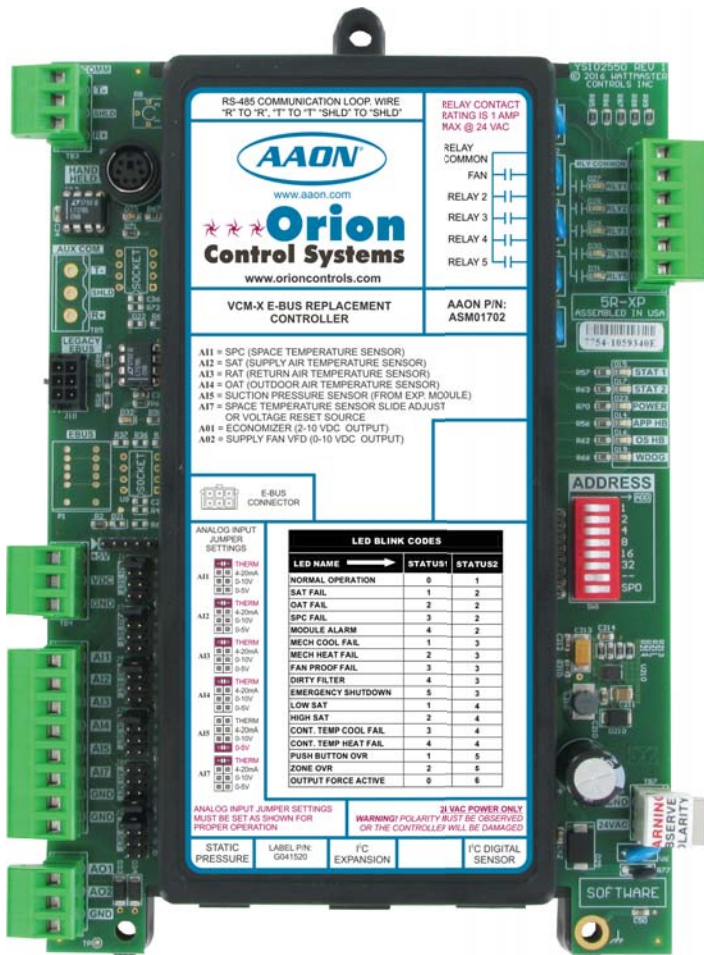


Figure 1: NEW - VCM-X Modular E-BUS Replacement Controller

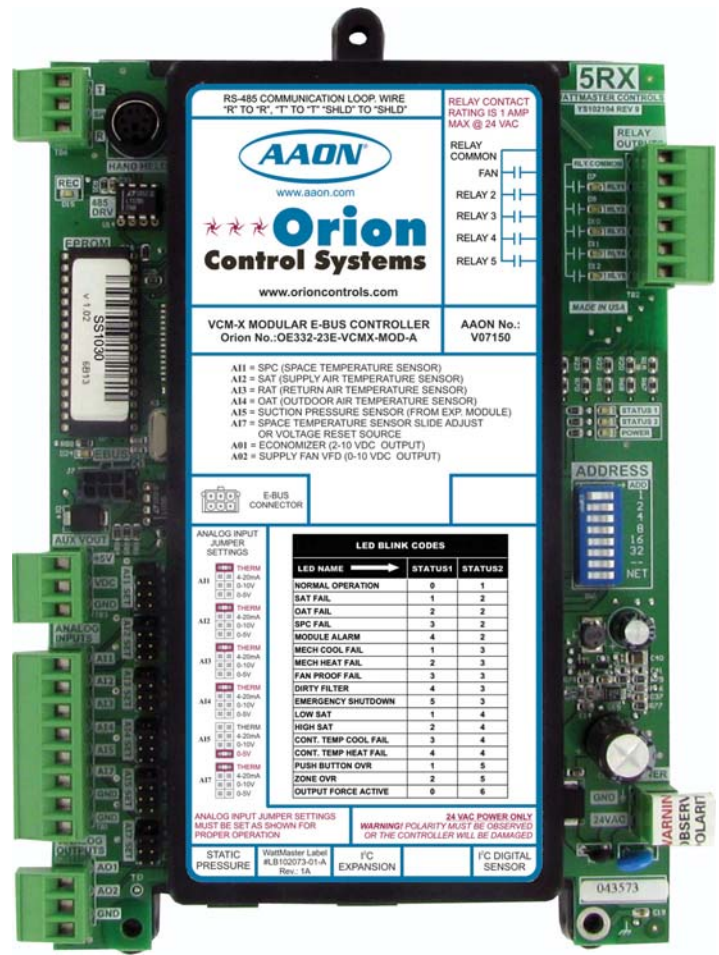


Figure 2: EXISTING - V07150 - VCM-X Modular E-BUS Controller

Replacement of the VCM-X Modular E-BUS Controller

Step-By-Step Instructions

The retrofit replacement involves a few easy steps. Refer to the numbers in parentheses below with the corresponding numbers in **Figure 3** on the facing page.

- Step 1: Disconnect 24VAC power from the existing VCM-X E-BUS Controller (1).
- Step 2: Disconnect the local loop RS-485 communication loop from the existing VCM-X E-BUS Controller (2).
- Step 3: Disconnect the following from the existing VCM-X E-BUS Controller:
- E-BUS modules, I²C expansion modules, and I²C sensors (3)
 - AUX Input Terminal Block (4)
 - Analog Input Terminal Block (5)
 - Analog Output Terminal Block (6)
 - Relay Output Terminal Block (7)
- Step 4: Remove the existing VCM-X E-BUS Controller by unscrewing the 3 mounting screws from the base of the controller.
- Step 5: Use the 3 screws provided with the VCM-X E-BUS Replacement Controller to mount the Replacement Controller in the HVAC unit.
- Step 6: Set the Address DIP SWITCH on the Replacement Controller to the same address DIP SWITCH that was set on the existing VCM-X E-BUS Controller (8).
- Step 7: Set the Analog Input Jumper settings on the Replacement Controller to the same settings that were set on the existing VCM-X E-BUS Controller (9).
- Step 8: Connect the following items to the Replacement Controller:
- E-BUS modules, I²C expansion modules, and I²C sensors (10)
 - AUX Input Terminal Block (11)
 - Analog Input Terminal Block (12)
 - Analog Output Terminal Block (13)
 - Relay Output Terminal Block (14)
- Step 9: Connect the local loop RS-485 communication loop to the Replacement Controller (15).
- Step 10: Connect 24VAC power to the Replacement Controller (16).
- Step 11: Configure the Replacement Controller using one of the Orion Controls operator interfaces - Prism 2, System Manager Touch Screen II, Modular Service Tool or Modular System Manager.

Replacement of the VCM-X Modular E-BUS Controller

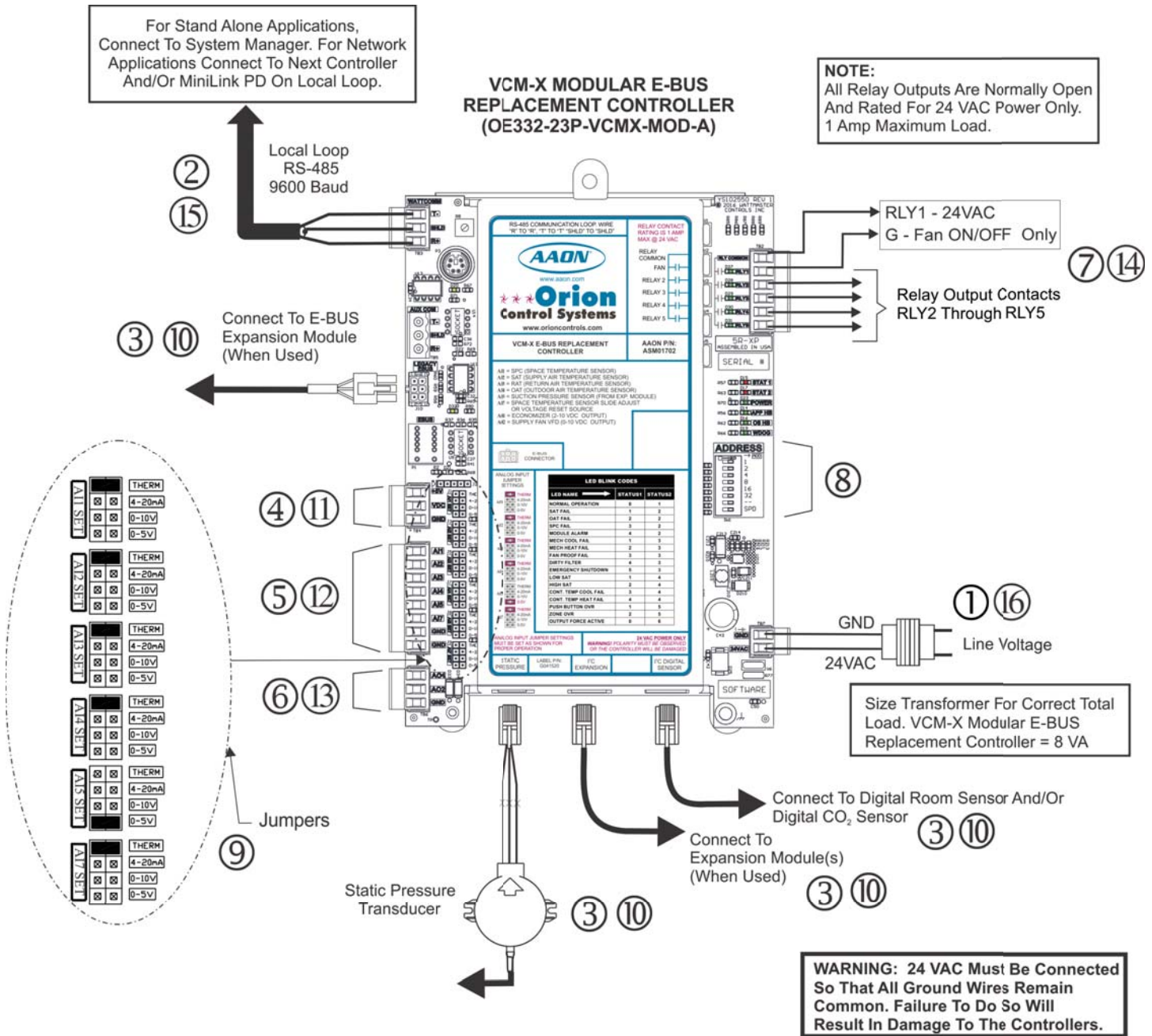


Figure 3: Retrofitting the VCM-X Modular E-BUS Controller with the Replacement Controller (ASM01702 VCM-X Modular E-BUS Replacement Controller Shown)



2425 So. Yukon Ave • Tulsa, OK • 74107-2728

Ph: (918) 583-2266 • Fax: (918) 583-6094

AAON® Part No.: G012680, Rev. 01B

Printed in the USA • © June 2019 AAON • All Rights Reserved