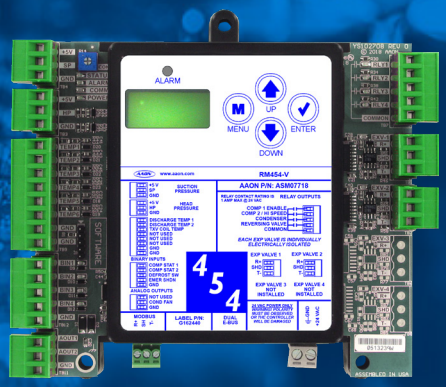
RM454-V
ASM07718



Stay in control with customizable control solutions. AAON offers a wide range of control solutions to optimally regulate and monitor the operation of your HVAC systems. Only compatible with R-454B systems.

PHYSICAL

Configurable unit controller that can be used for multiple applications

The RM454-V refrigeration module monitors and controls the refrigeration circuits of the AAON unit. The RM454-V connects to a superheat controller and is used with the VCCX-454 controller.

The RM454-V is for units with the following configurations:

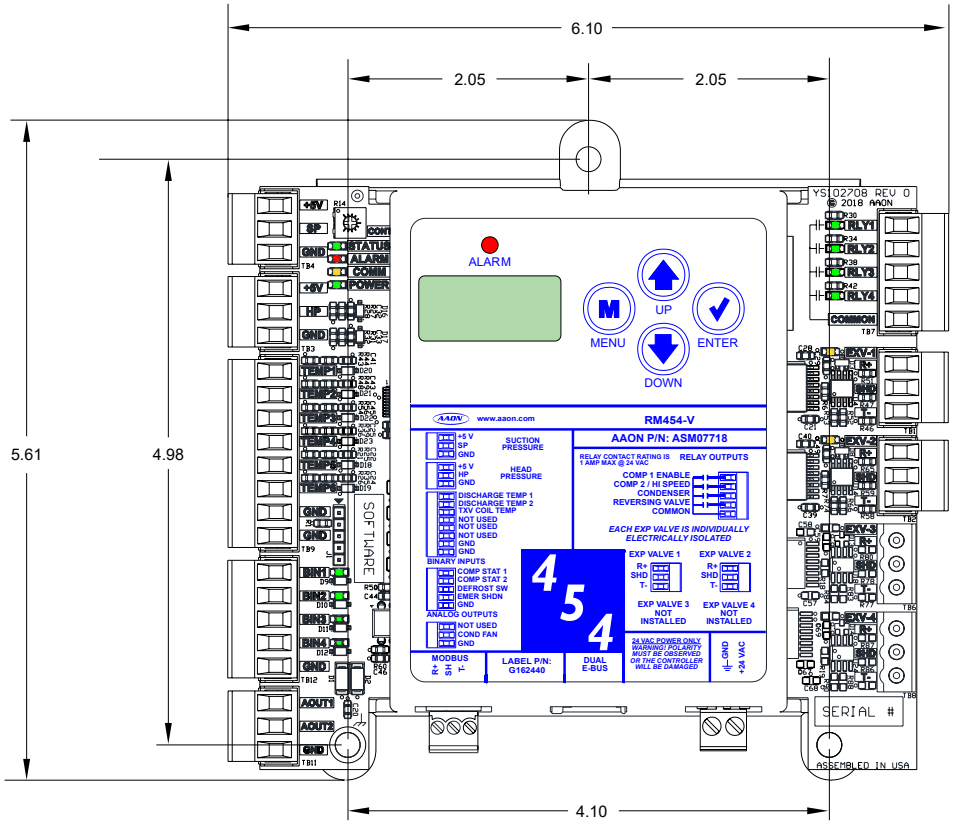
- The unit must have at least one VFD compressor on the first circuit of the first module connected using Modbus. The second module, if used, can use a non-VFD compressor.
- The unit must have at least one Electronic Expansion Valve (EXV).
- One or two circuits with no reheat, or reheat on the second circuit.

This module automatically configures condensers, EXVs, and compressors based on unit selection. The RM454-V uses an E-BUS cable to connect to the VCCX-454 Controller. Up to four RM454-V Modules can be connected. There are two E-BUS expansion ports which allow connection to the VCCX-454 Controller, communicating sensors, and other E-BUS modules.

Electrical and Environmental	
Operating Power	18-30 VAC
Operating Temperature	-22°F to 158°F
Power Consumption	18 VA Maximum
Operating Humidity	0-95% RH Non-Condensing
Inputs	5 Analog Inputs, 4 Binary Inputs
Outputs	Four Relays, One Analog Output

Contact AAON Support for Technical Assistance

www.aaon.com/contact



Note: All dimensions are in inches.

INSTALLATION

Mounting

The RM454-V Module is housed in a plastic enclosure. It is designed to be mounted by using the 3 mounting holes in the enclosure base and the included mounting screws (#8 x 1" sheet metal screws).

The RM454-V Module needs to be installed in an environment which can maintain a temperature range between -4°F and 158°F not to exceed 95% RH levels (Non-Condensing). It is important to mount the module in a location that is free from extreme high or low temperatures, moisture, dust, and dirt. Be careful not to damage the electronic components when mounting the module.

Scan the code for additional product information