

Dual Relay Modules

VF6052-00

Low Voltage

VF6053-00

Low Voltage w/Isolator

VF6054-00

High Voltage

VF6055-00

High Voltage w/Isolator



Back side of a VF6053



Back side of a VF6052



Standard Features

- Provides two independently configurable Form C contacts per address
- Contacts are rated as follow:
VF6052/ VF6053: 2A @ 30 VDC / 0.5A @ 120 VAC
VF6054/ VF6055: 8A @ 30VDC / 4.8A @ 250 VAC
- Up to 127 devices can be used on each SLC loop
- Visible Bi-colored LED is software controlled and can be programmed to blink red or green when polled. The LED can be latched on when activated. (For All Models)
- Yellow LED indicates a short circuit condition (VF6053 & VF6055 only)
- Programming is highly flexible providing 16 priority states plus zoning capability
- Operates on Class A or Class B SLC loop

Operation

The Dual Relay Modules have been designed to provide flexible and quick response to emergency conditions. The VES Series allows independent control of two form C contacts for a variety of normally open and normally closed contact applications such as fan operation, elevator recall, door closure, and auxiliary notification.

Each VES Series module provides independent control of two Form C contacts while utilizing one SLC (Signaling Line Circuit) address. The modules have a highly configurable programming algorithm that allows the user to set up groups of devices (zoning) for simultaneous operation of multiple VF6052, VF6053, VF6054, VF6055 modules. The operating parameters are maintained by the module and do not require individual communication with the control panel during the emergency condition to operate. The control panel broadcasts the control command on the SLC loop and the VES Series modules do the rest based on their custom configuration. Since mechanically latching relays are used within the VES Series modules, a separate 24VDC power source is not required.

Technical Specifications

Supply Voltage Nominal: 25.3-39 VDC
Average Current Consumption: 350µA (Typical), 405µA (Alarm)
Contacts: 2 Independently Controlled Form C VF6052/VF6053: 2A @ 30 VDC/ 0.5A @ 120 VAC VF6054/VF6055: 8A @ 30 VDC/ 4.8A @ 250 VAC
SCI on Resistance: 40 ohm Mx. (normal condition)
SCI Fault Detection Threshold: 12 Volts (Typical)
SCI Isolation Current (short circuit condition): 10mA (Typical)
Maximum Quantity per Loop: 127
Dimensions: 4.2" W x 4.7" H x 1.4" D
Mounting: 4" square electrical box
Relative Humidity: 90% RH Non-Condensing
UL Ambient Installation Temperature Range: 32° F to 120° F