Dual Relay Modules

VF6052-00 (Low Voltage), VF6053-00 (Low Voltage w/ Isolator),
VF6054-00 (High Voltage), VF6055-00 (High Voltage w/ Isolator)

VF6052 VF6053

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 max (normal condition)
SCI Fault Detection Threshold	12 Volts (typical)
SCI Isolation Current (Short Circuit Condition)	10 mA (typical)
Maximum Quantity per Loop	127
Mounting	4" Square Electrical Box
Maximum Humidity	up to 90%, non-condensing
UL Ambient Installation Temperature Range	32° F to 120° F
Dimensions	4.2" W x 4.7" H x 1.4" D

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 to127 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 and 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, and 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.