

# VF6024-00

## Fast Response Contact Modules



### Standard Features

- Single input contact monitor
- Fast, reliable contact monitoring utilizing the DCP (Digital Communications Protocol)
- 127 devices can be used per DCP loop
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Operates on Class A or Class B SLC loop
- Accepts up to 14 AWG wire

### Operation

The VF6024 Fast Response Contact Monitoring Modules are designed to be used with pull stations, water flow switches, and other applications requiring the monitoring of dry contact devices. The interrupt driven Digital Communications Protocol (DCP) combines maximum communication reliability and fast response to emergency conditions. The VF6024 contact monitoring module does not require a separate 24 VDC power source.

Each addressable contact monitoring module is programmed with its own unique Signaling Line Circuit (SLC) loop address. The device address is electrically programmable and stored in onboard EEPROM. Up to 127 devices can be placed on the DCP SLC loop. The module supervises the wiring to the contact with an End Of Line (EOL) resistor. It can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts. If a fault condition occurs in the wiring, the module sends a trouble status signal to the fire alarm control panel. When a change of status (contact changes state) is sensed by the VF6024 it sends an interrupt to the control panel indicating that an alarm has occurred.

### Technical Specifications

**Supply Voltage (S-SC):** 25.3-39 VDC

**Average Current Consumption:** 339µA (Typical), 358µA (Alarm)

**Programmable Input:** 1 Monitoring Inputs

**EOL Device:** 10K Ohms Resistor

**Max. Quantity per Loop:** 127

**Dimensions:** 1.75" W x 2.37" H x 0.5" D

**Maximum Humidity:** 90% RH Non-Condensing

**UL Ambient Installation Temperature Range:** 32° F to 120° F

**Mounting:** 2" electrical box