



# AS6052-00, AS6053-00, AS6054-00, AS6055-00

## ADDRESSABLE DUAL RELAY MODULES



### Ordering Codes

<b>AS6052-00</b>	Addressable Dual Relay Module Low Voltage
<b>AS6053-00</b>	Addressable Dual Relay Module Low Voltage with built-in Short Circuit Isolator
<b>AS6054-00</b>	Addressable Dual Relay Module High Voltage
<b>AS6055-00</b>	Addressable Dual Relay Module High Voltage with built-in Short Circuit Isolator

### Application

Avenger Dual Relay Modules have been designed to provide flexible and quick response to emergency conditions. Avenger Dual Relay Modules 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.

### Operation

Each Avenger Dual Relay Module provides independent control of two Form C contacts while utilizing one SLC 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 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 Avenger Dual Relay Modules do the rest based on their custom configuration. Since mechanically latching relays are used within the Avenger Series modules, a separate 24VDC power source is not required.

### Standard Features

- UL 864 9th Edition Listed
- Provides two independently configurable Form C contacts per address
- Optional built-in Short Circuit Isolator (AS6053-00 / AS6055-00)
- Fast, reliable contact monitoring utilizing the DCP (Digital Communication Protocol)
- Bi-colored indicating LED provides module status
- Yellow LED indicates short circuit condition (AS6053/55)
- Programming is highly flexible providing 16 priority states plus zoning capability

### Technical Specifications

<b>Supply Voltage (S - SC)</b>	25.3 - 39 VDC
<b>Average Current Consumption</b>	350µA Standby 405µA Alarm
<b>Contacts</b>	2 Independently Controlled Form C VF6052 - 2A @ 30VDC VF6053 - 0.5A @ 120VAC VF6054 - 8A @ 30VDC VF6055 - 4.8A @ 250VAC
<b>SCI on Resistance</b>	40 Ohm Max (Normal Condition)
<b>SCI Fault Detection Threshold</b>	12 Volts (Typical)
<b>SCI Isolation Current (Short Circuit Condition)</b>	10mA (Typical)
<b>Maximum Quantity per Loop</b>	127
<b>Operating Temperature Range</b>	32°F to 120°F (0°C to 49°C)
<b>Maximum Humidity</b>	Up to 90% non-condensing
<b>Dimensions</b>	4.2"(W) x 4.7"(H) x 1.4"(D)
<b>Mounting</b>	4" Square Electrical Box

### Engineering Specifications

The contractor shall furnish and install where indicated on the plans, Avenger addressable dual relay modules. The modules shall be UL listed and compatible with the DCP Protocol supporting control panels. The device address shall be electrically programmable and stored in EEPROM. The modules shall be supplied with a plastic face plate and shall be suitable for mounting to a 4" square or double gang electrical back box. The modules shall provide a bi-color monitor LED that is visible through the face plate. The relay modules must provide two Form C dry contacts.