

## AS6007-00

### ADDRESSABLE DUAL CHANNEL FAST RESPONSE MONITORING MODULES



#### Standard Features

- UL 864 9th Edition Listed
- Dual input contact monitor
- Fast, reliable contact monitoring utilizing the DCP (Digital Communication Protocol)
- Bi-colored indicating LED provides module status
- 127 devices can be used per DCP loop
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts (Class B circuits)
- Accepts up to 14AWG wires

#### Application

The AS6007-00 Dual Input Monitor Module is designed for use on Avenger UL listed Fire Alarm Control Panels. It provides two independent contact monitoring circuits while only utilizing one address on the SLC loop. The AS6007-00 provides installing dealers an economical approach to monitor devices in the same proximity, such as water flow and valve supervision on the same interface device. The interrupt driven Digital Communication Protocol (DCP) combines maximum communication reliability and fast response to emergency conditions. The module has a single bi-colored LED to indicate device status. It fits into a standard 4" square or double gang electrical back box.

#### Operation

Each AS6007-00 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 modules supervises the wiring to the contact with an End Of Line (EOL) resistor. It can be programmed to monitor Dual 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 one of the channels of the AS6007-00, an interrupt is sent to the control panel indicating that an alarm has occurred.

#### Technical Specifications

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|--------------------------------------|--|
| <b>Supply Voltage (S - SC)</b>       | 25.3 - 39 VDC  |
| <b>Average Current Consumption</b>   | 600µA Standby<br>720µA Alarm                                   |
| <b>Programmable Input</b>            | 2 independent Monitoring Inputs<br>NC or NO (Class B circuits) |
| <b>EOL Device (Class B circuits)</b> | 22K Ohms Resistor  |
| <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 AS6007-00 addressable contact monitoring modules. The modules shall have the ability to monitor two different channels while occupying a single address on the loop. The modules shall be UL listed and compatible with the Digital Communications Protocol (DCP) supporting control panel loops. The device address shall be electrically programmable and stored in EEPROM. The contact module must be suitable for mounting in a standard 4" square electrical box or double gang. The contact module must provide a bi-colored LED to indicate device status.

