

AS6024-00

ADDRESSABLE FAST RESPONSE MINIATURE MONITORING MODULE



Application

The AS6024-00 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 AS6024-00 contact monitoring module does not require a separate 24 VDC power source.

Operation

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 AS6024-00, it sends an interrupt to the control panel indicating that an alarm has occurred.

The AS6024-00 is small design and suitable for mounting in a single gang box.

Engineering Specifications

The contractor shall furnish and install where indicated on the plans, addressable contact monitoring modules Avenger AS6024-00. The modules shall be UL listed and compatible with the Digital Communication Protocol (DCP) supporting control panel. The device address shall be electrically programmable and stored in EEPROM. The AS6024-00 shall fit inside a single gang electrical back box.

Standard Features

- UL 864 9th Edition Listed
- Single input contact monitor
- Fast, reliable contact monitoring utilizing the DCP (Digital Communication Protocol)
- 127 devices can be used per DCP loop
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts (Class B circuits)
- Operates on Class A or Class B SLC loop
- Accepts up to 12AWG wires

Technical Specifications

Supply Voltage (S - SC)	25.3 - 39 VDC
Average Current Consumption	339µA Standby 358µA Alarm
Programmable Input	1 Monitoring Input Class B (NC or NO)
EOL Device	10K Ohms Resistor
Maximum Quantity per Loop	127
Operating Temperature Range	32°F to 120°F (0°C to 49°C)
Maximum Humidity	Up to 90% non-condensing
Dimensions	1.75"(W) x 2.37"(H) x 0.5"(D)
Mounting	2" Electrical Box