Three Input Device

Features

- 3 x Independent Monitored Inputs
- Loop Powered
- Compatible with XP95 & Discovery Protocol
- Built In Short Circuit Isolator
- Low Power Consumption
- Diagnostic LED Indications
- Surface Mount Enclosure
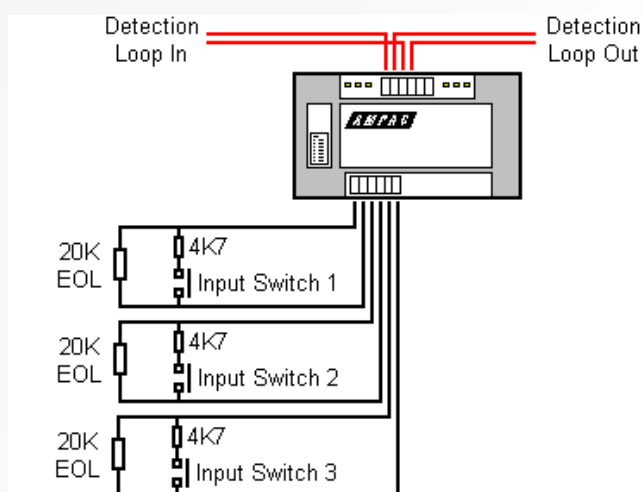- DIN Rail Mount Option

Description

The Ampac Three Input Device is designed to interface to a variety of plant control equipment such as sprinkler flow switches and fire fan control systems.

The Three Input Device incorporates three (3) monitored switched inputs. Each input can be used to supervise one or more normally open contacts connected to a single pair of cables with monitoring provided for both open and short circuit fault conditions. The Input circuits incorporate de-bounce circuitry for enhanced noise rejection and are protected against high transient voltages.

The Ampac Three Input Device is loop powered and includes bi directional isolation circuitry for protection against detection loop short circuits. On board LED status indication is provided for service and commissioning purposes, a feature that can be deactivated during normal operation to reduce the current draw on the system.

Two packaging options are available. The 'DIN Mount' version enables the device to be mounted onto standard 35mm DIN rail or screwed direct to the back pan of a larger enclosure while the 'Enclosed' version allows the device to be surface mounted to a wall.

Schematic

Enclosed version

Applications

- HVAC/BMS Signals
- Sprinkler Systems
- Pump Status
- Aspirating Systems
- Fire Fans and Dampers
- Beam & Flame Status
- Valve Monitoring
- Gas Suppression

Item Numbers

Item No	Description
4210-0056	Three Input Device DIN Mount
4210-0057	Three Input Device Enclosed

Specifications

Operating Voltage	17 - 28V DC	
Max Current at 24V DC	LEDs Enabled	LEDs Disabled
Quiescent Current	1.87mA	1.31mA
1 Input On	2.56mA	1.47mA
2 Inputs On	2.93mA	1.51mA
3 Inputs On	3.26mA	1.54mA
Total	3.26mA	1.54mA
Operating Temp.	-20℃ +70℃	
Humidity	0 to 95% Non-condensing	
Dimensions	(H x W x D)	
DIN Mount	75mm x 144mm x 25mm	
Enclosed	150mm x 200mm x 52mm	
Enclosure (4210-0057)		
Cable Entry	4 Side 4 Rear	
	Conduit knock outs Top Bottom	
Material	Grey ABS	
IP Rating	IP44	

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