

# SWITCH MONITOR MODULE



**S-A4043**

## DESCRIPTION

SHIELD Switch Monitor Module is designed to monitor the state of one or more single pole, voltage free contacts connected and to report the status to SHIELD compatible analog control equipment.

## INSTALLATION

These products must be installed in accordance with the applicable NFPA standards, local codes and jurisdictional instructions may result devices to report an alarm condition. Shield Fire, and Security Ltd is not responsible for are improperly installed, maintained and tested.

Before installing these products, check the continuity, polarity and insulation resistance of all wiring. Check that siting is in accordance with the fire system drawings and drawings and conforms to all as NFPA 72.

Drill holes in the fascia plate corresponding to the holes on the mounting box selected (Fig 3).

Terminate all cables in compliance with local codes and regulations. Set the address of the module.

Gently push the completed assembly towards the mounting box and the fixing holes. Secure the unit with the screws provided. Do not over tighten the screws.

Commission the module.

## FEATURES

- Three input states – ‘normal’, ‘trouble’, and alarm.
- Loop-powered.
- Visible LED’s.

## TECHNICAL DATA

Working Voltage	17 - 28 V DC
Modulating Voltage	5-9 V (peak to peak)
Current Consumption at 24V	
Supervisory Current	1 mA
Surge current	2.5 mA
Max Alarm Current	5.0 mA (LED On)
End-of-Line Resistors	47 KΩ
Temperature Range	0°C to 49°C
Humidity	10-93 % RH (Non-Condensing)
Initiating Device Circuit	Wiring Styles Power limited Class A & B Line Impedance 100Ω Max

**Fig. 1 - DIL Switch**

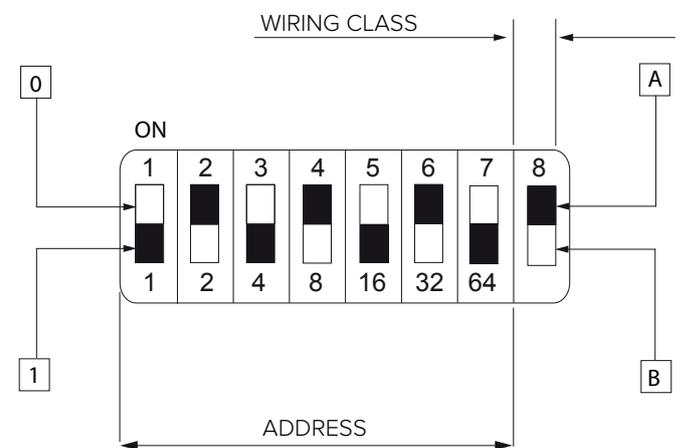


Fig. 2 - Wiring Diagram for Switch Monitor Modules

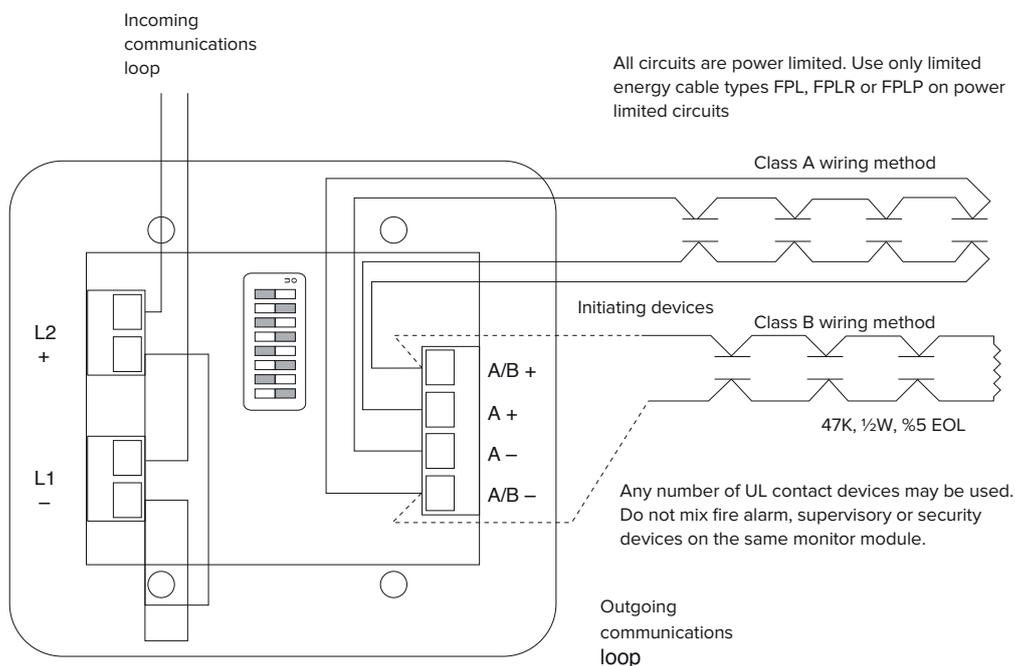


Fig. 3 - Mounting the S-A4043 Switch Monitors Module

