

**S-A4043**

**Switch Monitor Module**



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.

- Three input states - 'normal', 'trouble', and 'alarm'.
- Visible LED.
- Loop-powered.

Technical Data		
Type	Switch Monitor Module	
Style	Fascia Plate With Wiring Terminals	
Temperature Range	0°C to 49°C	
Wiring Size	24 AWG - 14 AWG	
Signal Line Circuit (SLC)	Supervised Power Limited	
Working Voltage	17 - 28 V DC	
Modulation Voltage	5 - 9 V DC (peak to peak)	
Operating Current	Supervisory Current	1.1 mA
	Surge Current	2.5 mA
	Maximum Alarm Current	5 mA (LED on)
Functional States	Analog Level (normal)	16
	Analog Level (alarm)	64
	Analog Level (trouble)	4
Dimensions (L x W x D)	114 mm x 114 mm x 25 mm	

**S-A4045**

**Switch Monitor Input/Output Module**



SHIELD Switch Monitor Input/Output Module provides a voltage free, single pole, change-over relay output, a single monitored switch input and unmonitored, non-polarized opto-coupled input.

- Reports 'trouble', 'switch open' and 'switch closed' levels.
- Visible LED.
- Loop-powered.

Technical Data		
Type	Switch Monitor Input/Output Module	
Style	Fascia Plate With Wiring Terminals	
Temperature Range	0°C to 49°C	
Wiring Size	24 AWG - 14 AWG	
Signal Line Circuit (SLC)	Supervised Power Limited	
Working Voltage	17 - 28 V DC	
Modulation Voltage	5 - 9 V DC (peak to peak)	
Operating Current	Supervisory Current	2.5 mA
	Surge Current	7.5 mA
	Maximum Alarm Current	6.0 mA (LED on)
Functional States	Analog Level (normal)	16
	Analog Level (alarm)	64
	Analog Level (trouble)	4
Dimensions (L x W x D)	114 mm x 114 mm x 25 mm	

Note: Specifications are subject to change without notice