Specification



Model J-SSP 60

Introduction

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The Monitor Switch Module (J-SSP 60) is a signal conversion module housed in a single case and issues an alarm contact output when an input signal exceeds the internal pre-set value by comparing the input with the pre-set value.

Complete isolation is employed between the power, input, and output circuits.

Specification

• Type

- One PV, two alarm outputs • Input signal :
- 1 to 5V DC or 4 to 20mA DC Input bias current :
- -1µA or less (voltage)
 Input impedance :
- Input impedance : 250Ω (current)
- Output signal : Dry contact SPST (two pairs for two-point alarm)
- Output contact capacity : 30V DC, 1A (resistive load) 100V AC, 0.3A (resistive load)
- Number of alarm points: Two points
- Alarm action (by jumper setting) : Hi/Lo, Hi/HiHi, Lo/LoLo
- Relay coil (by jumper setting) : Normally de-energized or Normally energized
- Relay contact (by jumper setting): Normally open or Normally close
- Alarm setting range : 0 to 100%FS
- Dead band: 0.25% or less
- Setting accuracy : ±0.25%FS
- Insulation resistance : 500V DC 100MΩ minimum Between each terminal of ; Input - Output - GND - DC Power suppply
- Withstand voltage : 1000V AC 1 min.
 Between each terminal of ; Input - Output - GND - DC Power Supply

SP1 SP2 COM SS	
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- Power supply : 24V DC ⁺¹⁰₋₁₅%
- Current consumption : 80mA max.
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- (at 24V DC) (two-point alarm)Ambient temperature :
- Normal operating conditions; 5 to 45 ℃ Operating limit ; -5 to 55 ℃
- Ambient humidity: 0 to 90%RH
- Mounting :
- Panel, Wall, DIN rail mounting
- Color of front mask : Black
- Weight : 400g
- Operating influence : Supply voltage effect ; $\pm 0.1\%$ FS/24V DC $^{+10}_{-15}\%$ Temperature effect ; $\pm 0.25\%$ FS/10 °C

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Theory of Operation

An input provides a high common noise rejection by the high impedance amplifier in the Input Buffer circuit, and the Filter circuit removes any AC noise, resulting in stable 1 to 5V DC signal. The Comparison Amplifier compares an input signal with the pre-set signal (1 to 5V DC) to actuate the relay. The Hysteresis circuit prevents chattering when restoring the Comparison Amplifier after its operation.



Model Number Table

Basic Model Number		Selections		Options	Description
		-	Ш	I	Description
J-SSP60					Monitor Switch Module (Analog Type)
	Х				w/o Varnish Coating
	С				w/ Varnish Coating
		-1			Input Signal: 1 to 5V DC
		-2			Input Signal: 4 to 20mA DC
			Х		(no selections)
				-0	w/o Test Report
				-1	w/ Test Report

Example: J-SSP60X-2X-0

Note) When ordering, specify the following alarm output type and Hi or Lo alarm setting value (%)

Output type	Relay (at normal operation)	Ooutput contact (at normal operation)
Standard	De-energized	Open
А	De-energized	Closed
В	Energized	Closed
С	Energized	Open

Dimensions and Wirings





ordering or use: http://www.azbil.com/products/bi/order.html

Specifications are subject to change without notice.

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