Standard Specification Sheet Model: MS2905

MS2900

Chassis-mounting Alarm Setter

OVERVIEW

The MS2905 is an instrument to perform comparison of DC input signal level with a preset trip point and outputting contact-closure (ON, OFF) signal.

- ▽ Multi-unit-mountable chassis for ease of maintenance and high density installation.
- ▽ Fuse protection for power line.

ORDERING INFORMATION

Ordering Code
MS2905— 1 □□ ①

SPECIFICATIONS

POWER SECTION

Power Requirement	24V DC±10%
Power Fuse	0.2A Fuse resister on power line
Power Consumption	50mA max.

INPUT SECTION

Input Signal (Specify at ① when ordering)	■ 1～5V DC ····· V1 ■ 0～1V DC ····· V4 ■ 0～5V DC ····· V5 ■ 0～10V DC ····· V6 ■ 4～20mA DC ····· C1
Input Resistance	Voltage input: 1MΩ min. (10kΩ without power) Current input: 250Ω
Allowable Input Voltage	Voltage input: 30V DC max. continuous Current input: 2 times rated input continuous
Internal Voltage Down	5V (4～20mA input model)

OUTPUT SECTION

Output Signal	Relay contact output: SPST Independent 1 circuit					
Output Functioning Point	Setting Range	0～99.5% of input signal To be set by the sum of the front panel rotary and toggle switches setting according to the following table.				
	Setting Method	Rotary Switch		Toggle Switch		
		×10	10% step	ON	+0.5%	
		×1	1% step	OFF	+0%	
	Setting Accuracy	±0.5%				
	Hysterisis	±0.1%F.S				
Output Mode	Depending on the switch setting for "power-off" condition, two ways each of setting is possible as shown below. (The setting for "power-off" should be specified when ordering.)					

Output Function Code	Switch Setting	Power ON		Power OFF
		Input<Set	Input>Set	
OH	⊓	OFF	ON	OFF
OL	⊔	ON	OFF	
CH	⊓	ON	OFF	ON
CL	⊔	OFF	ON	

PERFORMANCE

Input Response	2Hz-3dB (Standard model)
Relay Response	Approx. 3msec.
Insulation Resistance	100MΩ min. (@500V DC) Input—Output—Power
Dielectric Strength	Input—[Output, Power]: 1500V AC for 1 minute Output—Power: 500V AC for 1 minute
Surge Withstand Capability	Tested for ANSI/IEEE C37.90.1-1989
Contact Withstand Voltage	Contact: 500V AC for 1 minute Contact—Coil: 1000V AC for 1 minute
Contact Capacity	Rated controlled capacity (Load resistance): 1A30V DC Maximum allowable power (Load resistance): 30W DC/62.5VA AC Maximum allowable voltage: 110V DC/125V AC Maximum allowable current: 1A
Operating Environment	Ambient temperature: 0～50℃ Humidity: 90%RH max. (Non-condensation)
Storage Temperature	−10～60℃

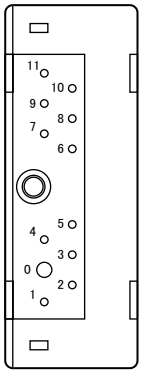
PHYSICAL

Mounting Method	Mountable on chassis (RC2900)
Wiring Method	Wired to chassis (RC2900)
Outer Dimension	W17.5×H48×D65mm (Including socket terminal block and fixing screws.)
Weight	Approx. 70g

MATERIAL

Case	ABS Resin UL94, flame resistant
PC Board	Glass Fabric Epoxy Resin

TERMINAL ASSIGNMENT



Terminal	Signal
①	+ INPUT
②	− INPUT
③	N.C.
④	N.C.
⑤	N.C.
⑥	+ OUTPUT 1
⑦	− OUTPUT 1
⑧	+ OUTPUT 2
⑨	− OUTPUT 2
⑩	+ DC24V
⑪	− POWER

BLOCK DIAGRAM