



Standard Specification Sheet Model: MS2907
Chassis-mounting Distributor with Isolated Dual-output

MS2900

OVERVIEW



The MS2907 is an instrument to supply power to a two-wire transmitter (output signal: 4~20mA) and convert the transmitted signal into two channels of mutually isolated DC output signals.

- ▽ Multi-unit-mountable chassis for ease of maintenance and high density installation.
- ▽ Perfect isolation mutually between Input — Output No.1 — Output No.2 — Power line.
- ▽ Fuse protection for power line.

ORDERING INFORMATION

Ordering Code
MS2907

SPECIFICATIONS

POWER SECTION

Power Requirement	24V DC ±10%
Power Sensitivity	±0.1% max. of output (@10% variation)
Power Fuse	2.2Ω 1/4W Fuse resistor on power line
Power Consumption	70mA max.

INPUT SECTION

Input Signal	4~20mA DC from 2-wire transmitter
Input Resistance	250Ω
Transmitter Power Requirement	Output voltage: 24V DC Maximum current: Approx. 40mA
Transmitter Load Resistance	550Ω max.

OUTPUT SECTION

Output	Output-1	1~5V DC
	Output-2	1~5V DC
Maximum Output Load	2mA	
Zero Adjustment	Approx. ±2% of span (Adjustable by front-accessible trimmer)	
Span Adjustment	Approx. ±2% of span (Adjustable by front-accessible trimmer)	

PERFORMANCE

Accuracy Rating	±0.1% max. of output span. (25°C ±5°C)
Temperature Effect	±0.2% max. of span (@10°C variation)
Standard Response Time	Approx. 30Hz-3dB
Insulation Resistance	100MΩ min. (@500V DC) Input—Output-1—Output-2—Power
Dielectric Strength	Input—[Output-1, Output-2, Power]: 1500V AC for 1 minute
	Output-1—Output-2—Power: 500V AC for 1 minute
Surge Withstand Capability	Tested for ANSI/IEEE C37.90.1-1989
Operating Environment	Ambient temperature: 0~50°C Humidity: 90%RH max. (Non-condensation)
Storage Temperature	-10~60°C

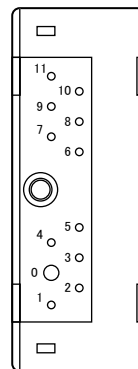
PHYSICAL

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	COM.
⑤	N.C.
⑥	+ OUTPUT 1
⑦	- OUTPUT 1
⑧	+ OUTPUT 2
⑨	- OUTPUT 2
⑩	+ DC24V
⑪	- POWER

BLOCK DIAGRAM

