

OVERVIEW



This is chassis-mounting PT transmitter with dual-output that converts AC voltage signal from PT into any desired standard process signal.

- ▽ RMS operation for measuring distorted waveform.
- ▽ Anti-humid coatings on PCB are standard for improved environmental protection.
- ▽ Multiple installations on chassis provide ease of maintenance and high-density population.
- ▽ Self pop-up screws on chassis provide ease of wiring.
- ▽ Fuse on DC power line is installed standard.

ORDERING INFORMATION

Ordering Code	Standard Price
MS3921 1 8	OPEN

SPECIFICATIONS

POWER SECTION

Power Requirement	24V DC $\pm 10\%$
Power Sensitivity	$\pm 0.1\%$ of span max. @10% variance
Power Line Fuse	300mA fuse is installed, (standard)
Power Consumption	55mA max.

INPUT SECTION

Input Signal (Specify at ①when ordering)	<ul style="list-style-type: none"> ■ 0~100V AC 50/60Hz N1 ■ 0~110V AC 50/60Hz N2 ■ 0~300V AC 50/60Hz N3 ■ Other AC voltage signal up to 300V (50/60Hz) NX (□~□) Specify input range in parentheses.
Input Resistance	1M Ω min. (1M Ω minimum without power)

Allowable Input Voltage	Continuous: 120% rated input Instantaneous: 1.5 \times rated input (5sec)
Crest Fact	3 max.

OUTPUT SECTION

Output Signal (Specify at ②when ordering)	Out-1/Out-2 Code ■ 1~5V DC/1~5V DC V1 ■ 0~5V DC/0~5V DC V5 ■ 0~10V DC/0~10V DC V6 ■ $\pm 5V$ DC/ $\pm 5V$ DC W5 ■ $\pm 10V$ DC/ $\pm 10V$ DC W6 ■ 1~5V DC/4~20mA DC C1 Combinations of two output signals are limited to the above.
Maximum Output Load	Voltage output: 2mA max. Current output: 300 Ω max.
Zero Adjustment	Approx. $\pm 2\%$ of span (Adjustable by front-access trimmer)
Span Adjustment	Approx. $\pm 2\%$ of span (Adjustable by front-access trimmer)

PERFORMANCE

Accuracy Rating	$\pm 0.25\%$ /F.S. (On condition of 10% input as minimum) (25°C $\pm 5^\circ$ C)
Temperature Effect	$\pm 0.2\%$ of span @10°C variance
Response Time	0.4sec max. (0 \rightarrow 90% @100% step input)
CMRR	100dB min. (500V AC, 50/60Hz)
Isolation	Across Input, Out-1, Out-2 and Power input mutually
Insulation Resistance	100M Ω min. (@500V DC) Across Input, Out-1, Out-2 and Power input mutually
Dielectric Strength	Across Input and other ports: 1500V AC for 1 minute Across Out-1, Out-2, Power input mutually: 500V AC for 1 minute
Surge Withstand Capability	Tested for ANSI/IEEE C37.90.1-1989
Operating Environment	Ambient temperature: 0~55°C Humidity: 90% max. (Non-condensation)
Storage Temperature	-10~60°C

PHYSICAL

Installation	Installed on mounting base (RC3900-□□AI)
External Connection	Wired to mounting base (RC3900-□□AI)
Dimension	W19.5 \times H53 \times D84mm
Weight	Approx. 70g

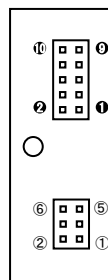
MATERIAL

Housing	ABS Resin (UL94V-0)
PC Board	Glass Fabric, Epoxy Resin (CEM-3)
Anti-humidity Coating	HumiSeal 1A27NS (Polyurethane)

ADDITIONAL

Other Options	Please consult our sales representatives for the availability of the following options before ordering: (Items) (How to specify) ■ Change response time ... $T_c = \square\square\square$ sec (Up to 80msec @90%)
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TERMINAL ASSIGNMENT



PIN	SIGNAL	PIN	SIGNAL
①	N. C.	⑦	+ OUTPUT 1
②	N. C.	⑧	- OUTPUT 1
③	N. C.	⑨	+ OUTPUT 2
④	N. C.	⑩	- OUTPUT 2
⑤	N. INPUT	⑥	+ POWER DC24V
⑥	L. INPUT	⑦	N. C.
		⑧	N. C.
		⑨	F. G.
		⑩	N. C.

BLOCK DIAGRAM

