

● Output Section

Range of Products Available

	Current Signal	Voltage Signal
Output Range (DC)	0~20 mA	-10~10V
Output Span(DC)	4~20 mA	10mV~20V
Output Bias	0~100%	-100~100%

*For current output smaller than 0.1mA, the accuracy is not guaranteed.

(e.g.1) 4~20mA⇒Output Span 16mA, Bias 25%

(e.g.2) -1~4V⇒Output Span 5V, Bias -20%

● Standard Performance

Conversion Accuracy	Within $\pm[0.15\%/F.S.+0.1^{\circ}C]$ (@25°C±5°C)
Temp. Characteristics	Within $\pm 0.2\%$ of Span with every 10°C variation
Response Time	170msec max. (0~90%)@100% step input
CMRR	100dB min. (500V AC, 50/60Hz)
Signal Isolation	Between Input - Out1-Out2-Power Supply-Ground
Isolation Resistance	100MΩ min. (@500V DC) Between Input-Out1-Out2-Power Supply-Ground
Dielectric Strength	Between Input-[Out1,Out2]-[Power Supply, Ground] :2000V AC, Shut Down Current 0.5mA for 1 minute Between Power Supply - Ground :2000V AC, Shut Down Current 5mA for 1 minute Between Out1 - Out2 :500V AC, Shut Down Current 0.5mA for 1 minute
Measures against SWC	Conform to ANSI/IEEE C37.90.1-1989
Operating Environment	Temperature : -5~55°C Humidity : 5~90%RH (Non-Condensing)
Storage Temp.	-10~60°C

● Installation / Physical Specifications

Installation	DIN-rail mounting
Wiring	M3.5 screw terminal connection (Screw drop-protection)
Screw Tightening Torque	0.8~1[N·m] Recommendable
Outer Dimension	W49.8×H102.0×D40.0mm (incl. DIN rail.)
Mass	140g max.

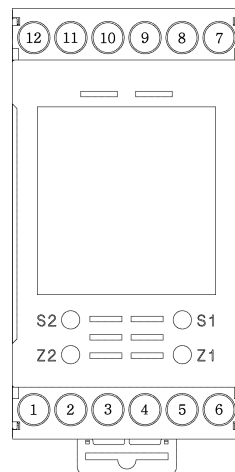
● Materials

Housing	ABS Resin (UL-94V-0)
Terminal Screws	Iron/Nickel-plated
P.C.Board	Glass-Epoxy (FR-4:UL-94V-0)
Moisture-proof Coating	HumiSeal Coating :HumiSeal 1A27NS(Polyurethane Resin)

● Compatible Standards

Compatible EC Directive	EMC Directive (2004/108/EC) EN61326-1:2006
	Low Voltage Directive (2006/95/EC) IEC61010-1/EN61010-1 Installation category II, Pollution degree 2, Max. operating voltage 300V Reinforced insulation between [Input·Output·GND]- Power Supply

Terminal Arrangement / Signal Assignment



①	+ OUTPUT 2
②	- OUTPUT 2
③	N. C
④	P (+)
⑤	N (-)
⑥	GND
⑦	A RTD
⑧	B RTD
⑨	B' RTD
⑩	N. C
⑪	+ OUTPUT 1
⑫	- OUTPUT 1

Block Diagram

