

■ Standard Performance

Accuracy rating: $\pm 0.1\%$ of span (aside from the $\pm 0.1\%$ accuracy of the external resistor for current input); accuracy is not guaranteed for output levels less than 0.5% of the span of a 0 to X mA output range type.

Response speed: 150 ms, 63% response (10 to 90%)

Effects of power line regulation: Up to $\pm 0.1\%$ of span for the regulation within allowable range of each supply voltage range

Effects of ambient temperature variations: Up to $\pm 0.15\%$ of span per 10°C

■ Conformance to EMC Standards

Applicable EMC standard: EN61326

CE-certified models mean those which are CE certified on condition that they be operated over a supply voltage range of 15-30 V DC $\pm (\pm 20\%)$ only.

■ Power Supply and Isolation

Supply rated voltage range: 100-240 V AC/DC $\approx 50/60$ Hz or 15-30 V DC \dots

Supply input voltage range: 100-240 V AC/DC $\approx (-15, +10\%)$ 50/60 Hz or 15-30 V DC $\dots (\pm 20\%)$

Power consumption: 2.2 W at 24 V DC ; 2.1 W at 110 V DC; 4.2 VA at 100 V AC; 6.1 VA at 200 V AC

Insulation resistance: 100 M Ω minimum at 500 V DC between input, output-1, output-2, power supply and grounding terminals mutually

Withstanding voltage: 2000 V AC for one minute between input, (output-1 and output-2), power supply and grounding terminals mutually;
1000 V AC for one minute between output-1 and output-2 terminals

■ Environmental Conditions

Operating temperature range: 0 to 50°C

Operating humidity range: 5 to 90% RH (no condensation)

Operating conditions: Avoid installation in such environments as corrosive gas like sulfide hydrogen, dust, sea breeze and direct sunlight.

Installation altitude: 2000 m or less above sea level.

■ Mounting and Appearance

Material: Modified polyphenylene oxide (casing)

Mounting method: Wall, DIN rail or dedicated VJ mounting base (VJCE) mounting

Connection method: M3 screw terminals

External dimensions: 76 (H) \times 29.5 (W) \times 124.5 (D) mm (including a socket)

Weight: Approx. 116 g (main unit), approx. 51 g (socket)

■ Accessories

Tag number label: One

Resistor (Shunt resistor): One (attached for current input)

Resistance	Part No.	Resistance	Part No.
100 Ω	E9786WD	500 Ω	E9786WF
250 Ω	E9786WE	1 k Ω	E9786WG

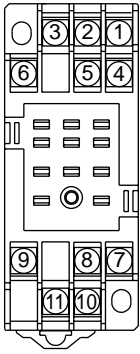
■ Customized Signal Specifications

Table 1 Manufacturable Ranges

	Current Signal	Voltage Signal
Input range (DC)	0 to 150 mA	-300 to +300 V
Span (DC)	100 μA to 150 mA	10 mV to 600 V
Zero elevation	0 to 73%	-80 to +73%
Output range (DC)	24 to 0 mA	+10 to -10 V
Span (DC)	1 to 24 mA	10 mV to 20 V
Zero elevation	0 to 200%	-100 to +200%

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Terminal Assignments

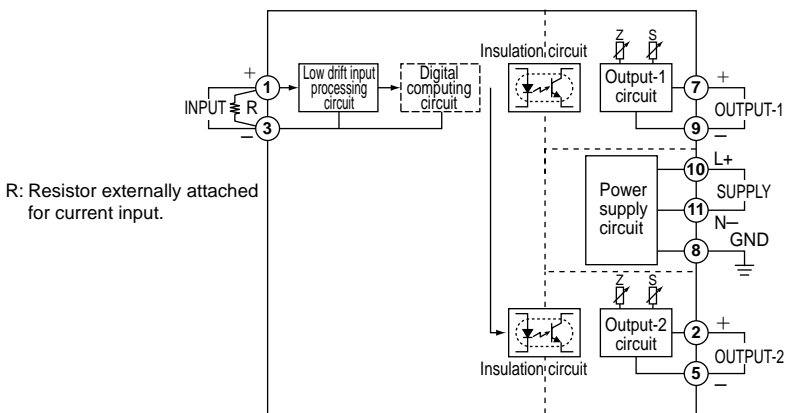


1	INPUT	(+)
2	OUTPUT-2	(+)
3	INPUT	(-)
4	N.C.	
5	OUTPUT-2	(-)
6	N.C.	
7	OUTPUT-1	(+)
8	GND	
9	OUTPUT-1	(-)
10	SUPPLY	(L+)
11	SUPPLY	(N-)

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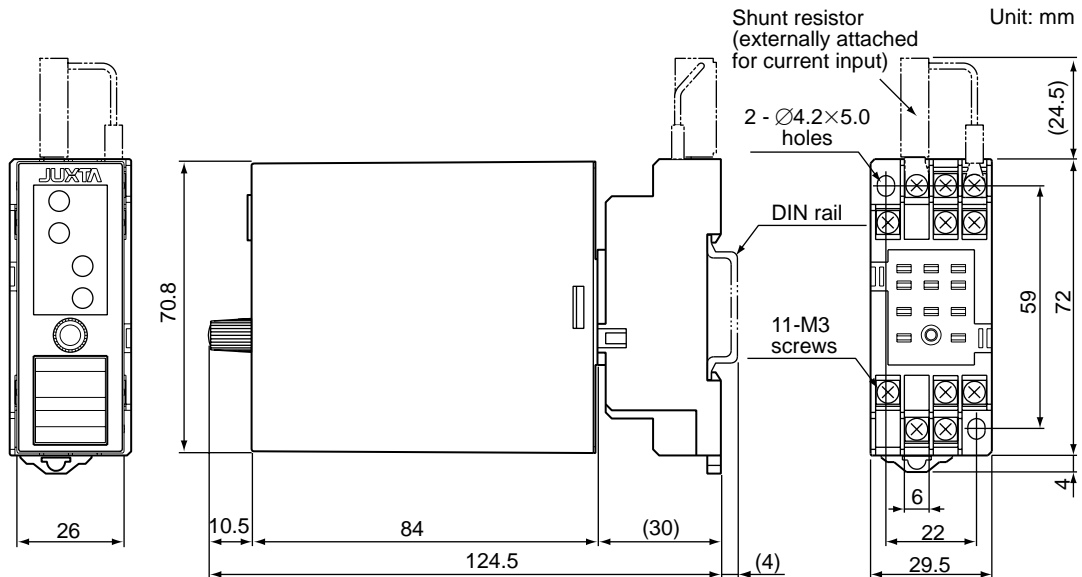
Note: For single-output type, OUTPUT-2 is N.C.

Block Diagram



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External Dimensions



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- The information covered in this document is subject to change without notice for reasons of improvements in quality and/or performance.