



## ■ Standard Performance

Accuracy rating:  $\pm 0.1\%$  of span or  $0.1^\circ\text{C}$ , whichever is greater; for Pt50,  $\pm 0.2\%$  of span or  $0.2^\circ\text{C}$ , whichever is greater; accuracy is not guaranteed for output level 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%)

Burnout function: One of the three options is selected - Up, Down or Off; the maximum burnout time is specified as 60 seconds.

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  $10^\circ\text{C}$

Effects of leadwire resistance variations: Up to  $\pm 0.2^\circ\text{C}$  per  $10\ \Omega$ /leadwire

## ■ 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 ... ( $\pm 20\%$ ) only.

## ■ Power Supply and Isolation

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

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

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 $\Omega$  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  $50^\circ\text{C}$

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. 122 g (main unit), approx. 51 g (socket)

## ■ Accessories

Tag number label: One

## ■ Customized Signal Specifications

<Input range>

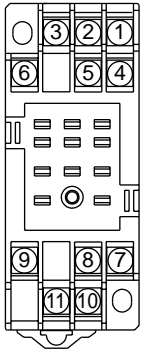
Special RTD with temperature table. The measuring range is between 0 and 2000  $\Omega$  in resistance value.

Table 1 Manufacturable Ranges

	Current Signal	Voltage Signal
Output range (DC)	0 to 24 mA	-10 to +10 V
Span (DC)	1 to 24 mA	10 mV to 20 V
Zero elevation	0 to 200%	-100 to +200%

T01.EPS

## Terminal Assignments

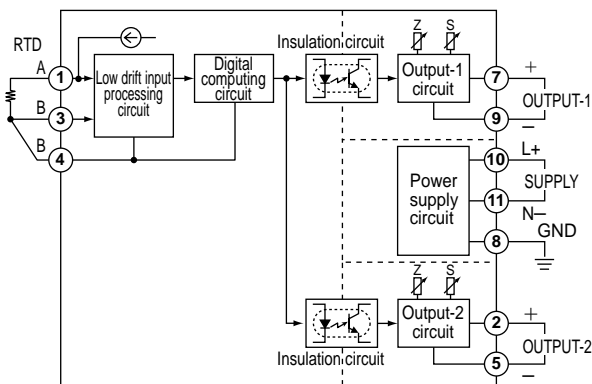


1	INPUT	(A)
2	OUTPUT-2	(+)
3	INPUT	(B)
4	INPUT	(B)
5	OUTPUT-2	(-)
6	N.C.	
7	OUTPUT-1	(+)
8	GND	
9	OUTPUT-1	(-)
10	SUPPLY	(L+)
11	SUPPLY	(N-)

F03.EPS

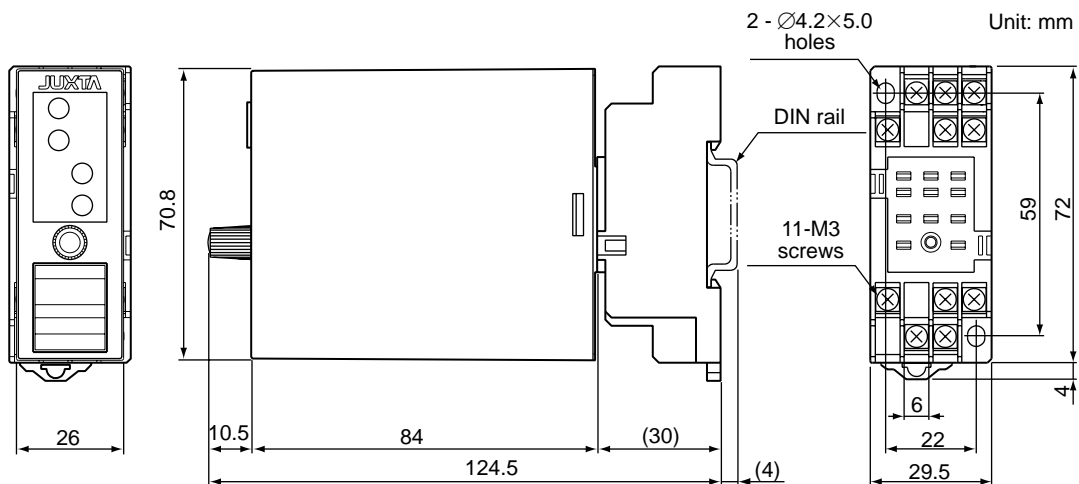
Note: For single-output type, OUTPUT-2 is N.C.

## Block Diagram



F04.EPS

## External Dimensions



F05.EPS

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