

# JUXTA F Series

## General Specifications

Model : FA0A

JUXTA

Output Isolator

### 1. GENERAL

This isolator converts 1~5V DC signals to current signals.

### 2. SPECIFICATIONS

IO Specifications	
Input signals	1~5V DC
Input resistance	1M $\Omega$ (100k $\Omega$ when power off)
Permissible applied voltage	$\pm$ 30V DC max
Output signal	Current signal
Zero point adjustment range	$\pm$ 3% of span
Span adjustment range	$\pm$ 5% of span
Standard performance	
Precision rating	$\pm$ 0.1% of span
Response speed	150ms 63% response (10~90%)
Insulation resistance	100M $\Omega$ min (at 500V DC) between input-output, input-power supply and output-power supply
Voltage withstand	1500V AC/minute between output-input, output-power supply 500V AC/minute between input-power supply
Ambient temperature and humidity	Normal operating condition: 0~50°C, 5~90% RH Operating limit: -10~60°C, 5~95% RH Storage condition: -40~70°C, 5~95% RH (no condensation)
Power supply voltage	24V DC $\pm$ 10% (ripple: 10% P-P max)
Effect of power supply voltage fluctuation	$\pm$ 0.1% max of span per 24V DC $\pm$ 10% fluctuation
Effect of change in ambient temperature	$\pm$ 0.2% max of span per 10°C change in temperature
Current dissipation	24V DC 85mA
Mountings and dimensions	
Material	Case: ABS plastic
Boards	Both sides glass-epoxy
Mounting methods	Rack, wall, or DIN rail
Connection method	M4-screw terminals
External dimensions	72 x 24 x 127 mm (h x w x d)
Weight	130g
Accessories	
Tag number label : x1	
Mounting blocks: x2	M4 mounting screws: x2

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TYPE NO.

OUTPUT SPECIFICATION

A: CURRENT

INPUT SIGNAL

6: 1~5V DC

OUTPUT SIGNAL

A: 4~20mA DC

H: 10~50mA DC

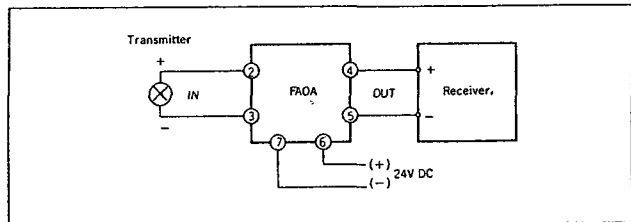
Z: (custom) current signal

(where 100% is 50mA max and zero elevation is 25% max of span)

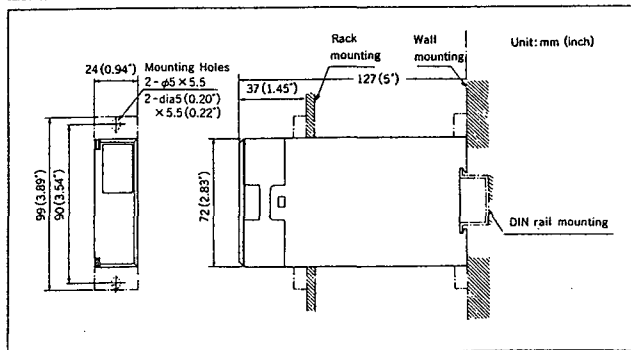
POWER SUPPLY

24V DC±10%

## WIRING DIAGRAM



## EXTERNAL DIMENSION



## OUTPUT RESISTANCE AND PERMISSIBLE LOAD RESISTANCE

FA0A (DC Current Output)		
Output Signal	Output Resistance	Permissible Load Resistance
4~20mA DC	5MΩ min	0~750Ω
10~50mA DC		0~220Ω

Subject to change without notice for grade up quality and performance