

JUXTA F Series

General Specifications

Model : FC1A/V

JUXTA

Loop Powered Isolator

1. GENERAL

This isolator, no power supply required, converts 4~20mA DC or 10~50mA DC signals to 4~20mA DC signals or 1~5V DC signals.

2. SPECIFICATIONS

IO Specifications	
Input signal	4~20mA DC or 10~50mA DC
Input resistance	250Ω + secondary-side load resistance (Ω)
Input voltage drop	Approx. 4V
Output signal	DC current or voltage signal
Zero point adjustment range	±5% of span
Span adjustment range	±5% of span
Maximum permissible load	50kΩ min
Output resistance	10Ω max
Standard performance	
Precision rating	±0.1% of span
Response speed	10ms 63% response (10~90%)
Insulation resistance	100MΩ min (at 500V DC) between input-output
Voltage withstand	1500V AC/minute between input-output
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)
Effect of change in ambient temperature	±0.2% max of span per 10°C change in temperature
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

FC1A-□A*B

TYPE NO.

INPUT SIGNAL

A: 4~20mA DC

H: 10~50mA DC

OUTPUT SIGNAL

A: 4~20mA DC

FC1V-□6*B

TYPE NO.

INPUT SIGNAL

A: 4~20mA DC

H: 10~50mA DC

OUTPUT SIGNAL

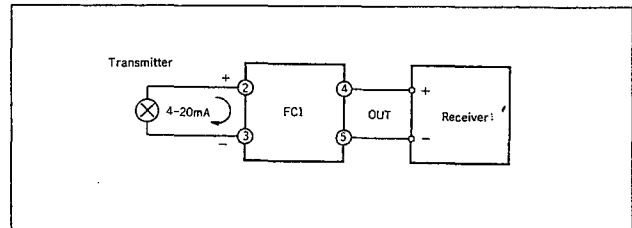
6: 1~5V DC

OUTPUT RESISTANCE AND PERMISSIBLE LOAD RESISTANCE

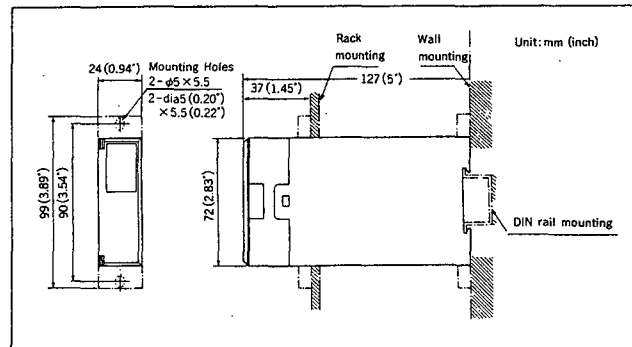
FC1A (DC Current Output)		
Output Signal	Output Resistance	Permissible Load Resistance
4~20mA DC	5MΩ min	0~750Ω

FC1V (DC Voltage Output)		
Output Signal	Output Resistance	Permissible Load Resistance
1~5V DC	1Ω max	50kΩ min

WIRING DIAGRAM



EXTERNAL DIMENSION



Subject to change without notice for grade up quality and performance