JUXTA F Series General Specifications

Model : FH0V

Output Isolator

JUXTA

1. GENERAL

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

2. SPECIFICATIONS

IO Specifications	
Input signal	1~5V DC
Input resistance	1MΩ (100kΩ when power off)
Permissible applied voltage	±30V DC max
Output signal	Voltage signal
Zero point adjustment range	±1% of span
Span adjustment range	±5% of span
Standard performance	
Precision rating	±0.1% of span
Response speed	150ms 63% response (10~90%)
Insulation resistance	100MΩ min (at 500V DC) between input~output, input~power supply and output~power supply
Voltage withstand	1500V AC/minute between input~output, input~power supply 500V AC/minute between output~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 ±10% (ripple : 10% P-P max)
Effect of power supply voltage fluctuation	±0.1% max of span per 24V DC ±10% fluctuation
Effect of change in ambient temperature	±0.2% max of span per 10°C change in temperature
Current dissipation	24V DC 50mA
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

FH0V-□□*B

TYPE NO.

OUTPUT SPECIFICATION

V: Voltage

INPUT SIGNAL

6: 1~5V DC

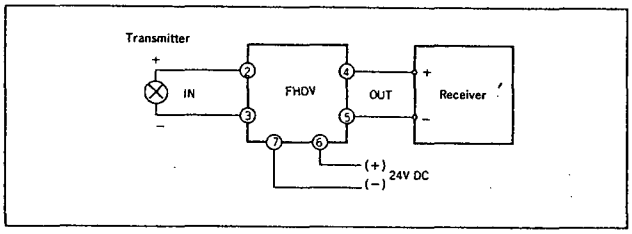
OUTPUT SIGNAL

1: 0~10mV DC
2: 0~100mV DC
3: 0~1V DC
4: 0~10V DC
5: 0~5V DC
6: 1~5V DC
0: (custom) voltage signal
0~10V DC

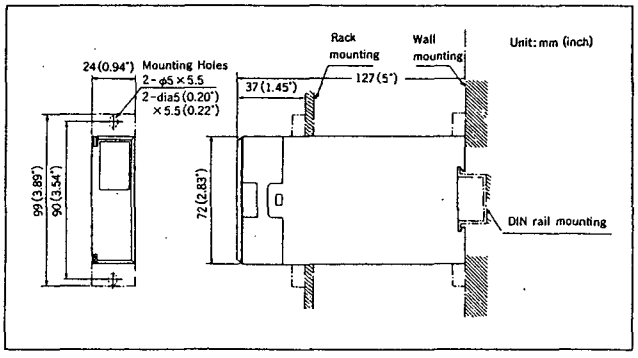
POWER SUPPLY

24V DC±10%

WIRING DIAGRAM



EXTERNAL DIMENSION



OUTPUT RESISTANCE AND PERMISSIBLE LOAD RESISTANCE

FH0V (DC Voltage Output)			
Output Signal		**Output Resistance**	**Permissible Load Resistance**
0~10mV DC		100Ω max	250kΩ min
0~100mV DC			
0~1V DC		1Ω max	2kΩ min
0~10V DC			10kΩ min
0~5V DC			2kΩ min
1~5V DC			2kΩ min
−10~+10V DC			10kΩ min
Others where V_{100}=24mA max	$V_{100} \leq 100mV$	100Ω max	250kΩ min
	$V_{100} > 100mV$	1Ω max	10kΩ min

V_{100} : 100% output voltage

Subject to change without notice for grade up quality and performance