

# JUXTA W Series

Model : WH0V

## General Specifications

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	1M $\Omega$ (100k $\Omega$ when power off)
Permissible applied voltage	$\pm$ 30V DC max
Output signal	Voltage signal
Zero point adjustment range	$\pm$ 1% 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~power supply (DC drive) input~output~power supply~ground (AC drive)
Voltage withstand	1500V AC/minute between input~output, input~power supply 500V AC/minute between output~power supply (DC drive) 1500V AC/minute between input~output~power supply~ground (AC drive)
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	85~264V AC 47~63Hz, 24V DC $\pm$ 10%
Effect of power supply voltage fluctuation	$\pm$ 0.1% max of span per 85~264V AC or 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 50mA (WH0V-1)
Power dissipation	100V AC 5VA (WH0V-2)
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 48 x 127 mm (h x w x d)
Weight	DC drive: approx. 150g, AC drive : approx. 300g
Accessories	
Tag number labels: 1	
Mounting blocks: 2	M4 mounting screws: 4

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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

1: 24V DC±10% 2: 85~264V AC

### High Voltage Withstand Specifications

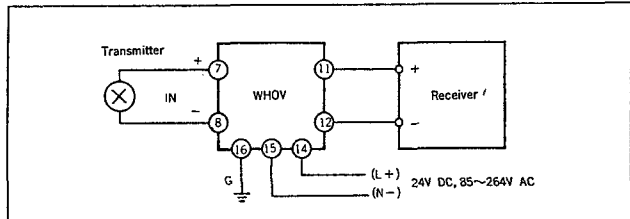
The JUXTA W Series is also available in 2000V AC voltage withstand specifications. Contact your dealer for details.

### OUTPUT RESISTANCE AND PERMISSIBLE LOAD RESISTANCE

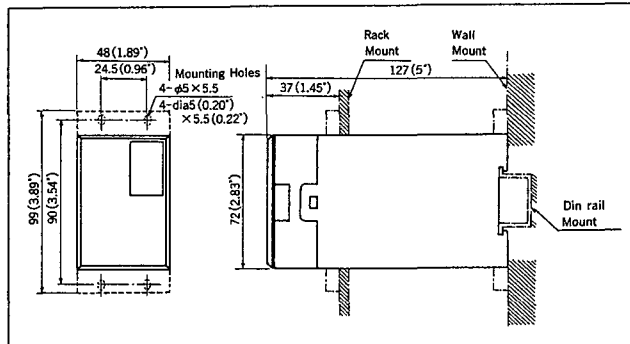
WH0V (DC Voltage Output)			
Output Signal	Output Resistance	Permissible Load Resistance	
0~10mV DC	100Ω max	250kΩ min	
0~100mV DC			
0~1V DC	1Ω max	2kΩ min	
0~10V DC		10kΩ min	
0~5V DC		2kΩ min	
1~5V DC		2kΩ min	
-10~+10V DC		10kΩ min	
Others where V <sub>100</sub> =10V max		V <sub>100</sub> ≤ 100mV	100Ω max
	V <sub>100</sub> > 100mV	1Ω max	10kΩ min

V<sub>100</sub> : 100% output voltage

### WIRING DIAGRAM



### EXTERNAL DIMENSION



Subject to change without notice for grade up quality and performance