

JUXTA W Series

General Specifications

Model WH2A/V
Isolator

JUXTA

1. GENERAL

Model WH2A/V Isolator, μ P built-in type, converts DC current or voltage signals into various current or voltage signals. Change of input/output ranges, adjustment of zero span and monitoring of input/output can easily be made in the field by handy terminal.

2. SPECIFICATIONS

Input & Output	
Input signal	DC voltage or current signal See Table 1
Input resistance	[current input] 100 Ω See Table 1 [voltage input] 1M Ω (when power on), 100K Ω (when power off)
Permissible applied input	See Table 1
Output signal	DC voltage or current signal See Table 2
Zero point adjust range	$\pm 1\%$ of span (input adjust), $\pm 10\%$ of span (output correction)
Span adjust range	$\pm 1\%$ of span (input adjust) $\pm 10\%$ of span (output correction)
Standard Performance	
Accuracy rating	$\pm 0.1\%$ of span
Response speed	150ms 63% response (10~90%)
Insulation resistance	More than 100M Ω (at 500V DC) between input~output~power supply mutually
Withstand voltage	1500V AC/1 minute between input~output, input~power supply 500V AC/1 minute between output~power source (DC Drive) 1500V AC/1 minute between input~output~power supply~ground mutually (AC Drive)
Ambient temperature & humidity	Normal operating condition: 0~50°C, 5~90%RH Operating limit: -10~60°C, 5~95%RH Storing condition: -40~70°C, 5~95%RH (no condensation)
Power supply voltage	85~264V AC, 47~63Hz, 24V DC $\pm 10\%$
Effect of power source voltage fluctuation	Less than $\pm 0.1\%$ of span per fluctuation of 85~264V AC or 24V DC $\pm 10\%$
Effect of ambient temperature change	Less than $\pm 0.2\%$ of span per change of 10°C
Current dissipation	24V DC 92mA(WH2A-1), 60mA(WH2V-1)
Power dissipation	100V AC 11VA(WH2A-2), 7.5VA(WH2V-2)
Mounting & Dimension	
Material	ABS plastic case
Boards	Both sides glass-epoxy
Mounting method	Rack, wall or DIN rail
Connection method	M4-screw terminals
External dimension	72x48x127mm (HxWxD)
Weight	200g(DC Drive) 300g(AC Drive)
Accessories	
Tag number label ... 1	Range label ... 1
Mounting block 2	M4 mounting screw ... 2

