General Specifications

MODEL WHFA/V Super Speed Isolator

Model WHFA/B Super Speed Isolator is plug-in type signal conditioner to convert voltage or current signal into isolated voltage or current signal. (63% response, 1ms super speed conversion) (Available 2000V AC high voltage proof specifications upon request)

Input & Output			
Input signal	DC current or voltage signal		
Input resistance	Voltage input $IM\Omega$ (100k Ω when power off)		
	Current input (Refer Model Code)		
Permissible over-input	Less than ±30V DC		
Output signal	DC current or voltage signal		
Zero point adjust range	±5% of span		
Span adjust range	±5% of span		
	Standard Performance		
Accuracy rating	±0.1% of span, however, out of warranty for accuracy of output less		
	than 0.5% when output range of 0~xmA		
Response Speed	1ms 63% response (10~90% step)		
Insulation resistance	100MΩ (at 500V DC) between input~output~power supply (DC drive)		
	between input~output~power supply~ground (AC drive)		
Withstand voltage	1500V AC/1 minute between input~output~power supply		
	500V AC/1 minute between output~power supply (DC drive)		
	1500V AC/1 minute between input~output~power supply~ground (AC drive)		
Ambient temperature and	Normal operating condition: 0~50°C, 5~90%RH		
humidity	Operating limit: -10~60°C, 5~95%RH (no condensation)		
	Transit & storage condition: -40~70°C, 5~95%RH		
Power supply voltage	85~264V AC, 47~63Hz or 24V DC±10%		
Effect of power supply	Less than ±0.1% of span for 85~264V AC or 24V DC±10% fluctuation		
voltage fluctuation			
Effect of ambient	Less than ±0.2% of span for 10°C change		
temperature change			
Current dissipation	24V DC 110mA (WHFA-1), 72mA (WHFV-1)		
Power dissipation	100V AC 12VA (WHFA-2), 8VA (WHFV-2)		
	Mounting, Shape & Accessories		
Material	Case : ABS plastic		
Boards	Both sides glass epoxy		
Mounting method	Rack, wall or DIN rail mounting		
Connecting method	M4 screw terminal		
External dimension	72(H)x48(W)x127(D)mm		
Weight	DC drive : approx. 150g, AC drive : approx. 300g		
Accessories	Tag number label 1 Mounting block 2		
	Mounting screw M4 4		

<u>WHFO</u>-00-0*B MODEL-OUTPUT SPECS A: Current B: Voltage 1 A-20mA DC (receiving resistor 2500) 0: 0~20mA DC (receiving resistor 2500) E: 0~16mA DC (receiving resistor 2500) 11: 10~50mA DC(receiving resistor 1000) 2: (CUSTON) Span more than 16mA 4: 0~10V DC 5: 0~5V DC 6: 1~5V DC 7: -10~+10V DC O: (CUSTOM) Span more than 4V (Within 50mA) (Within ±10V) OUTPUT A: 4~20mA DC D: 0~20mA DC 4: 0~10V DC 5: 0~5V DC 6: 1~5V DC E: 0~16mA DC 7: (CUSTON) Span more than 16mA -10~+10V DC O: (CUSTOM) Span more than 4V (Within ±10V) (Within 24mA) POWER SUPPLY— 1: 12~48Y DC 2: 85~264V AC

ORDERING INFORMATION

(Example) Model Code: WHFY-66-2*B
*Available dual outputs by CUSTOM ORDER

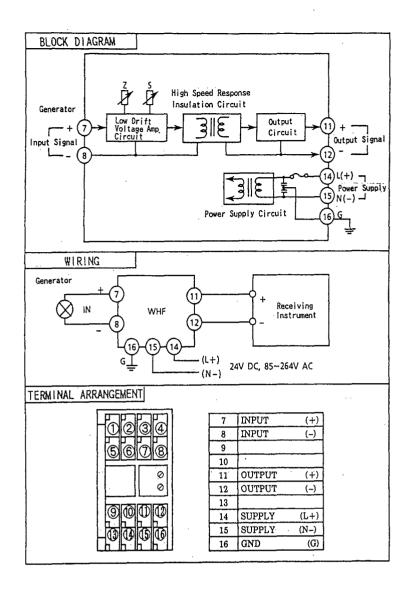
OUTPUT RESISTANCE & PERMISSIBLE LOAD RESISTANCE

DC	Current Output Type	
Output Signal	Output Resistance	Permissible Load Resistance
4~20m∆ DC		0~750Ω
0~20mA DC	More than $5M\Omega$	0~750Ω
0~16mA DC		0~900Ω
Others, I is		Less than (15/1,)Ω
less than 24mA		

I. . : 100% output current

DC Vo	oltage Ouptut Type	
Output Signal	Output Resistance	Permissible Load Resistance
0~10V DC		More than 10kΩ
0~5V DC	1	More than 2kΩ
1~5V DC	Less than 1Ω	More than 2kΩ
-10~+10Y DC	1	More than 10kΩ
Others, V is	1	More than 10kΩ
less than 110V		

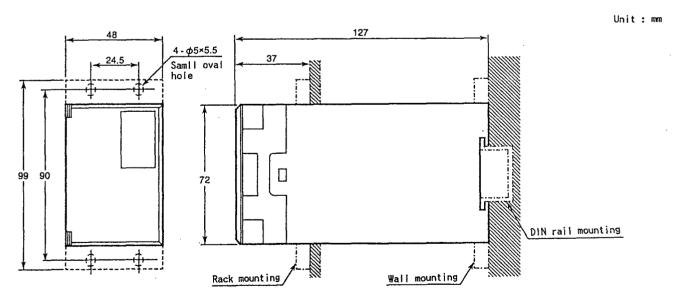
V_{1.0}: 100% output voltage



*JUXTA W Series are available dual outputs.
When ordering, put /DO at the end of Model Code.

Model	Output-1	Output-2
	(selective)	
	4~20mA DC	
WHFA	O∼20mA DC	1∼5V DC
	O∼16mA DC	
	0~10V DC	
WHFV	0~5V DC	1∼5V DC
	1~5V DC	
	-10~+10V DC	

EXTERNAL DIMENSIONS



Subject to change without notice for grade up quality and performance