Model FHFA/V 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.

In	put & Output			
Input signal	DC current or voltage signal			
Input resistance	Voltage input $1M\Omega$ (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 adjustment range				
Span adjustment 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 O∼xmA			
Response Speed	1ms 63% response (10~90% step)			
Insulation resistance	100MΩ (at 500V DC) between input~output~power supply			
Withstand voltage	1500V AC/1 minute between input~output~power supply			
	500V AC/1 minute between output~power supply			
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	24V DC±10% (ripple content : less than 10% p.p)			
Effect of power supply	Less than ±0.1% of span for 24V DC±10% fluctuation			
voltage fluctuation				
Effect of change in ambient	Less than ±0.2% of span for 10°C change			
temperature				
Current dissipation	24V DC 110mA (FHFA), 72mA (FHFV)			
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)x24(W)x127(D)mm			
Weight	130g ·			
Accessories	Tag number label 1 Mounting block 2			
	Mounting screw ISO M4 2			

<u>FHF</u>O-OO*B MODEL -OUTPUT SPECS A: Current B: Voltage INPUT SIGNAL-A: 4~20mA DC (receiving resistor 2500) 5: 0~5V DC 6: 1~5V DC D: 0~20mA DC (receiving resistor 250%) E: 0~16mA DC (receiving resistor 2500) H: 10~50mA DC(receiving resistor 1000) Z: (CUSTON) Span more than 16mA (Within 50mA) 7: -10~+10V DC 0: (CUSTOM) Span more than 4V (Within ±10V) OUTPUT SIGNAL-4: 0~10V DC A: 4∼20mA DC 5: 0~5V DC D: 0~20mA DC E: 0~16mA DC 7: -10~+10V DC 0: (CUSTOM) Span more than 4V Z: (CUSTON) Span more than 16mA (Within 24mA) (Within ±10V) POWER SUPPLY

ORDERING INFORMATION

(Example) Model Code : MHF-66-2*A

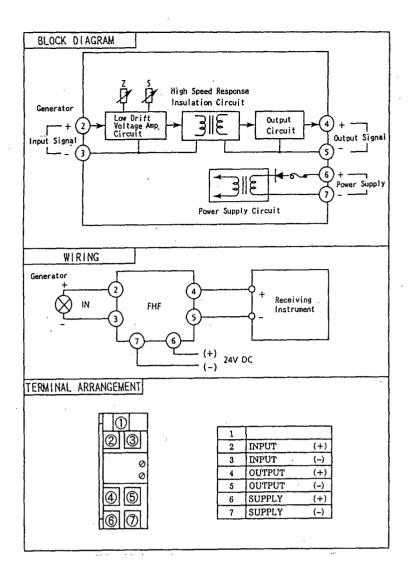
OUTPUT RESISTANCE & PERMISSIBLE LOAD RESISTANCE

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

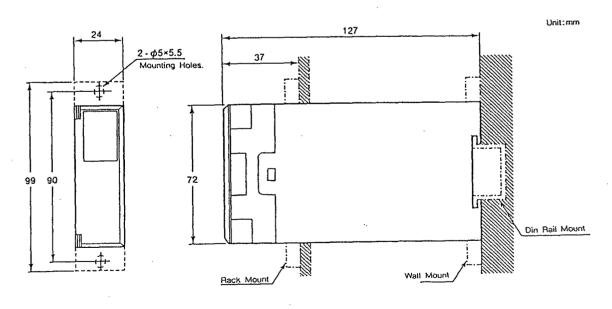
I. . . : 100% output current

FHFV DC Voltage Ouptut Type			
Output Signal	Output Resistance	Permissible Load Resistance	
0~10V DC		More than $10k\Omega$	
0~5V DC		More than $2k\Omega$	
1~5Y DC	Less than 1Ω	More than 2kΩ	
-10~+10V DC		More than 10kΩ	
Others, V is		More than 10kΩ	
less than ±10V			

V₁₀₀: 100% output voltage



EXTERNAL DIMENSIONS



Subject to change without notice for grade up quality and performance