

# General Specifications

MODEL MH1W  
Isolator  
(Dual Outputs)

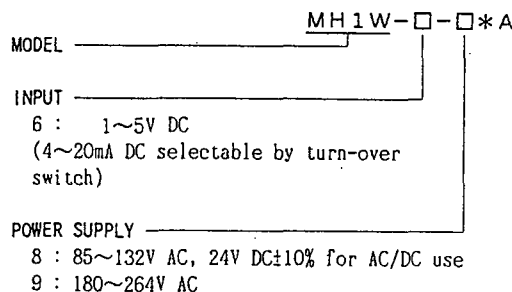
JUXTA

Model MH1W Isolator, plug-in type, receives 1~5V or 4~20mA DC signal and converts it into two isolated DC signals.

- Output-1 can be selected 1~5V DC or 4~20mA DC through change-over switch at the back of the unit.

Input & Output	
Input signal	1~5V DC or 4~20mA DC selectable through turn-over switch
Input resistance	500k $\Omega$ (voltage input), 250 $\Omega$ (current input)
Permissible over input	Less than 40mA DC $\pm$ 10V DC
Output signal	Isolated 2 outputs Output-1 : 1~5V DC or 4~20mA DC selectable by change-over switch (See Note) Output-2 : 1~5V DC
Standard Performance	
Accuracy rating	$\pm$ 0.2% of span
Response speed	100ms 63% response (10~90%)
Insulation resistance	100M $\Omega$ (at 500V DC) between input~Output-1~Output-2~power supply~ground
Withstand voltage	1500V AC/minute between power supply~ground 500V DC/minute between input~outputs~ground
Ambient temperature	0~55 $^{\circ}$ C
Relative humidity	5~90% RH (no condensation)
Power supply voltage	85~132V AC, 24V DC $\pm$ 10% AC/DC use or 180~264V AC
Effect of power supply voltage fluctuation	100V AC standard $\pm$ 0.1%/10V of span 24V DC drive $\pm$ 0.1% max of span
Current dissipation	24V DC drive 100mA
Power dissipation	100V AC drive 4.4VA
Mounting, Shape & Accessories	
Material	Case ABC plastic
Board	Both sides glass epoxy
Mounting method	Wall or DIN rail mounting (More than 5mm interval required for access mounting)
Connecting method	M3.5 screw terminal
External dimension	85(H) $\times$ 50(W) $\times$ 132(D)mm (including socket)
Weight	Body : Approx. 250g Socket : Approx. 80g
Accessories	Tag number label ... 2 Spacer ... 1 (use for DIN rail mounting)

(Note) When shipment, Output-1 of standard type is set at 4~20mA. When Output-1 is changed over at 1~5V DC, influencing value is  $\pm$ 0.1% max of span

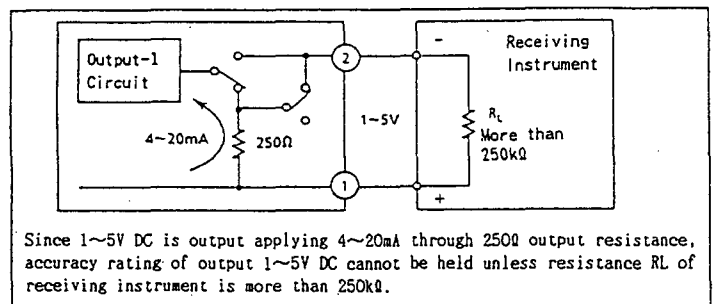


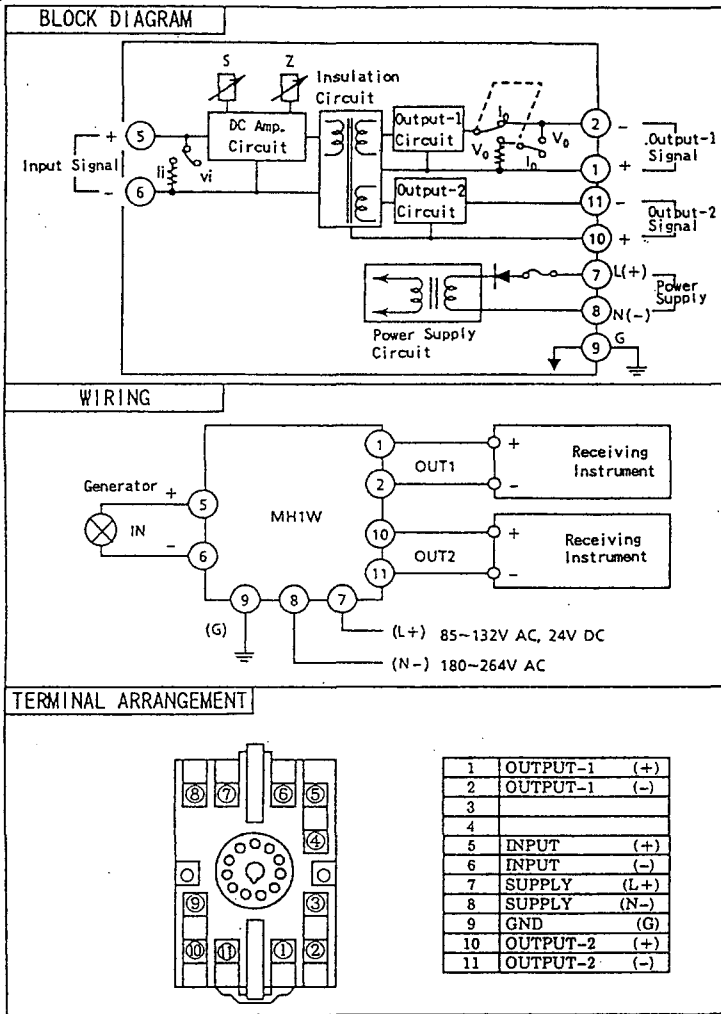
ORDERING INFORMATION  
(Example) Type Code : MH1W-6-8\*A

Output Resistance & Permissible Load Resistance

Output-1		
Output Signal	Output Resistance	Permissible Load Resistance
4~20mA DC	5M $\Omega$	0~750 $\Omega$
When change-over to 1~5V DC #1	250 $\Omega$	More than 250k $\Omega$
Output-2		
Output Signal	Output Resistance	Permissible Load Resistance
1~5V DC	Less than 1 $\Omega$	More than 2k $\Omega$

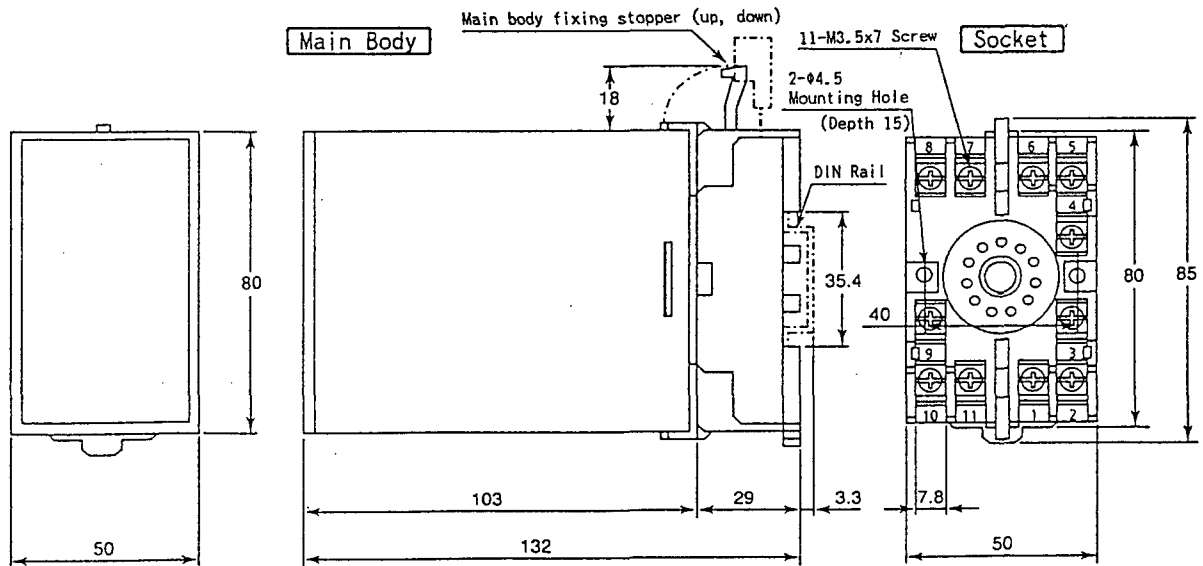
#1 Warning when Output-1 change-over to 1-5V DC





**EXTERNAL DIMENSION**

Unit : mm



Subject to change without notice for grade up quality and performance