

RoHS  
Compliant



## Features

- Input / Output configuration selected via DIP switch combinations
- Choice of multiple analog input-output configurations
- Provides 3-way galvanic isolation of 3.75kV
- Fast output Response Time (<100ms)
- Sleek 22.5mm wide

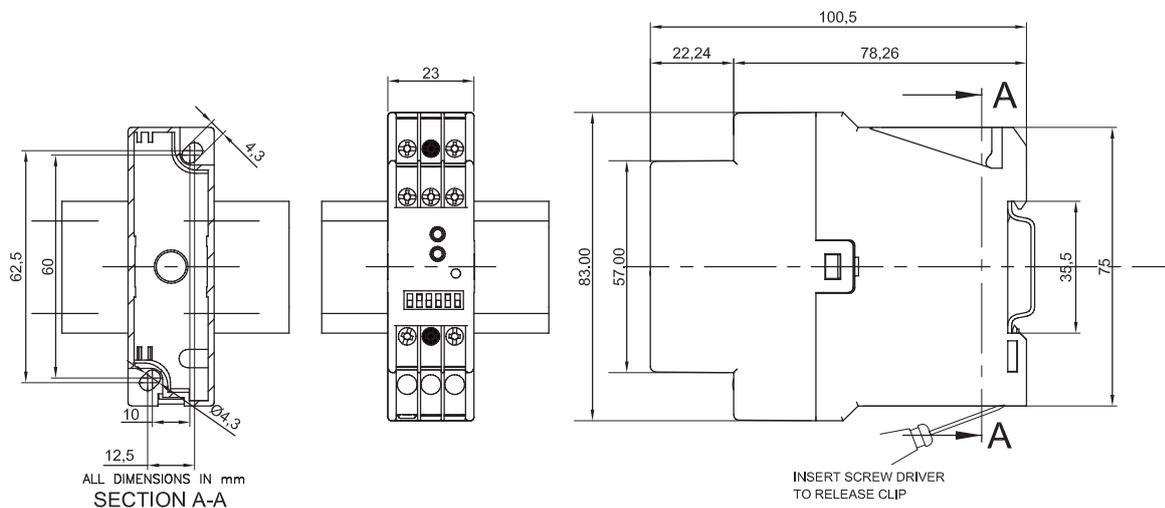
## Specification

Part Number	MP008417	MP008418	MP008419
<b>Parameters</b>			
Supply Voltage	24V AC		
Supply Variation	-15% to +15%		
Power Consumption	4 VA Max.		
<b>Device Characteristics</b>			
Input Signal	0-10V DC 2-10V DC 0-20mA DC 4-20mA DC	0-5 V DC 1-5 V DC 0-20mA DC 4-20mA DC	0-10V DC 2-10V DC 0-10mA DC 2-10mA DC
Input Impedance	Voltage I/P - 100KΩ approx. Current I/P - 100Ω approx.		Voltage I/P - 100KΩ approx. Current I/P - 200Ω approx.
Output Signal	0-10V DC, 2-10V DC (min. 1 kΩ load) 0-20mA DC,4-20mA DC (max. 500 Ohm load)		
Accuracy	1% of full Scale		
Offset	± 5% of full scale Adjustable		
Gain	± 10% of full scale Adjustable		
Linearity	<0.02% of full scale		
<b>Protections</b>			
Input supply reverse polarity	Yes		
Input signal reverse polarity	Yes		
Output short circuit current	<25mA (Output Voltage mode)		
Output open circuit voltage	(12-14)V DC (Output Current mode)		
LED Indication	GREEN LED: Power ON		
Operating Temperature	10°C to +55°C		
Storage Temperature	-15°C to +60°C		
Humidity (Non Condensing)	95% (Rh)		
Enclosure	Flame Retardant UL94-VO		
Dimension (W x H x D)	22.5mm × 83mm × 100.5mm		
Weight (unpacked)	130 g		
Mounting	Base / DIN rail		
Degree of Protection	IP 20 for Terminals, IP 40 for Enclosure		

Mode	Input Voltage / Input Current			Output Signal
	MP008417	MP008418	MP008419	
	(0-10)V / (0-20)mA	(0-5)V / (0-20)mA	(0-10)V / (0-10)mA	(0-10)V
	(0-10)V / (0-20)mA	(0-5)V / (0-20)mA	(0-10)V / (0-10)mA	(0-20)mA
	(0-10)V / (0-20)mA	(0-5)V / (0-20)mA	(0-10)V / (0-10)mA	(2-10)V
	(0-10)V / (0-20)mA	(0-5)V / (0-20)mA	(0-10)V / (0-10)mA	(4-20)mA
	(2-10)V / (4-20)mA	(1-5)V / (4-20)mA	(2-10)V / (2-10)mA	(0-10)V
	(2-10)V / (4-20)mA	(1-5)V / (4-20)mA	(2-10)V / (2-10)mA	(0-20)mA
	(2-10)V / (4-20)mA	(1-5)V / (4-20)mA	(2-10)V / (2-10)mA	(2-10)V
	(2-10)V / (4-20)mA	(1-5)V / (4-20)mA	(2-10)V / (2-10)mA	(4-20)mA

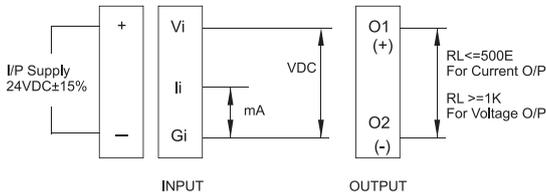
1 2 3 4 5 6

## Mounting Dimensions

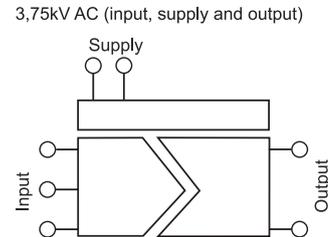


Dimensions : Millimetres

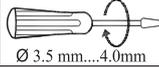
## Connection Diagram



## 3 Port Isolation Diagram



## Terminal Torque & Capacity

 Ø 3.5 mm...4.0mm	0.60 N.m (6 Lb.in)
	1 x 4.0 mm <sup>2</sup> Solid/Stranded Wire
AWG	1 x 20 to 10

## Part Number Table

Description	Part Number
Signal Transducer, 3 Port Isolation, Base/DIN	MP008417
Signal Transducer, 3 Port Isolation, Base/DIN	MP008418
Signal Transducer, 3 Port Isolation, Base/DIN	MP008419

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