

DC Voltage/ Current Signal Isolator

1. Externality

1 input 1 output



1 input 2 output



2. Function & Feature

- ◆ It can transform DC voltage/current to the required DC signal to realize electrical isolation between signals;
- ◆ Excellent temperature characteristic and good working stability;
- ◆ Configuration compactness and briefness;
- ◆ The power supply is DC24V, complying with the CE standard;
- ◆ High accuracy.

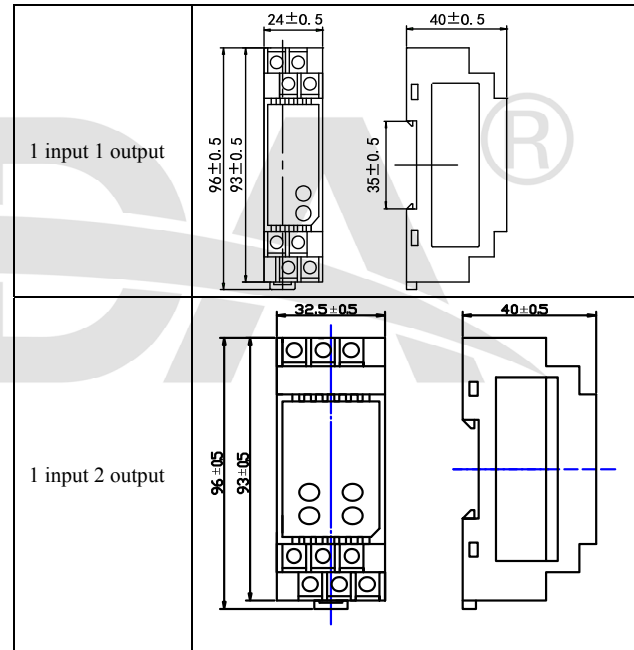
3. Technical Index

Input (DC)	0~75mV, 0~±75mV, 0~20mA, 4~20mA, 0~5V, 0~10V, 0~30V, 0~60V, 0~300V (Customized)
Output (DC)	①0~5V, ②1~5V, ③0~20mA, ④4~20mA, ⑤4~12~20mA, ⑥0~10V, ⑦Optional
Load Resistance	≥2kΩ (5V Voltage output), ≥3kΩ (10V Voltage output), ≤500Ω (Current output)
Response Time	≤350ms
Power Supply	DC24V, ≤50mA (Single), ≤80mA (dual)
Accuracy	0.2%, 0.5%
Isolator voltage	Between input and output, between input and power supply: 2.0kV/ min•1mA Between output and power supply: DC1.0kV/ min•1mA
CE Directive	EMC Directive (89/336/EEC) ; LVD Directive (73/23/EEC)
Working Conditions	-10℃~50℃, 20%RH~90%RH Without condensation
Storage Conditions	-40℃~70℃, 20%RH~95%RH without condensation
Installation	DIN 35mm guide apparatus
Dimension	1 input 1 output: 96±0.5mm×24±0.5mm×40±0.5mm 1 input 2 output: 96±0.5mm×32.5±0.5mm×40±0.5mm

4. Connection Diagram

1 input 1 output	1 input 2 output																																																	
<table><tr><td>NC</td><td>NC</td></tr><tr><td>1</td><td>2</td></tr></table> <table><tr><td colspan="2">INPUT</td></tr><tr><td>+</td><td>-</td></tr><tr><td>3</td><td>4</td></tr></table> <table><tr><td colspan="2">OUTPUT</td></tr><tr><td>+</td><td>-</td></tr><tr><td>5</td><td>6</td></tr></table> <table><tr><td colspan="2">POWER</td></tr><tr><td>+</td><td>-</td></tr><tr><td>7</td><td>8</td></tr></table>	NC	NC	1	2	INPUT		+	-	3	4	OUTPUT		+	-	5	6	POWER		+	-	7	8	<table><tr><td colspan="3">INPUT</td></tr><tr><td>+</td><td>-</td><td>NC</td></tr><tr><td>1</td><td>2</td><td>3</td></tr></table> <table><tr><td colspan="2">OUTPUT1</td><td>OUTPUT2</td></tr><tr><td>+</td><td>-</td><td>+</td></tr><tr><td>4</td><td>5</td><td>6</td></tr></table> <table><tr><td colspan="2">OUTPUT2</td><td>POWER</td></tr><tr><td>-</td><td>+</td><td>-</td></tr><tr><td>7</td><td>8</td><td>9</td></tr></table>	INPUT			+	-	NC	1	2	3	OUTPUT1		OUTPUT2	+	-	+	4	5	6	OUTPUT2		POWER	-	+	-	7	8	9
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5. External Dimension(Units: mm)



6. Notice

- Shielded cables are recommended and cables of the power supply, input and output shall be separated;
- The operating environment allows no electric dust or gases that corrodes metal or destroys insulation. The altitude is less than 2500m;
- Don't modify Zero and accuracy which have been calibrated by the manufacturer.

**Note: The above pictures are for reference only, the products are subject to the actual product,
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