

SHICO. POTENTIO ISOLATION CONVERTER

MODEL : SPC Series

The potention isolation converter model SPC accepts any potentiometer value of 100 ohms up to 10K ohms and provided a proportional DC output.

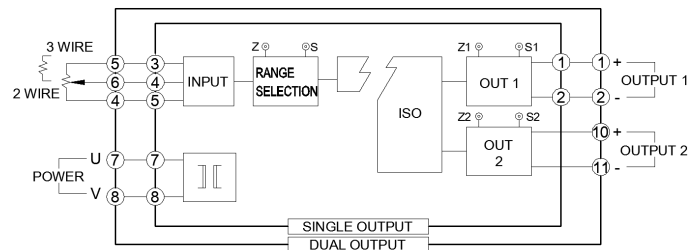
Minimal interaction between zero and span adjustments.

■ SPECIFICATION

ITEM	SPECIFICATIONS
Input	Potentiometer resistance (from 100Ω to 10kΩ)
Output	DC Voltage or DC Current signal
Accuracy	±0.2% of F.S
Linearity	±0.1% of F.S
Repeatability	±0.1% of F.S
Response Time	Less than 0.5sec(0~90%)
Insulation Resistance	Greater than 100MΩ (DC500V)
Dielectric Strength	Input-Power AC1000V Input-Output AC1000V (1 min) Input-GND AC1000V
Ambient Temperature	-5~+60℃
Humidity	Less than 90% RH



■ BLOCK DIAGRAM & CONNECTIONS



■ DC Voltage

Output	Load Resistance	Impedance
0-10mV	10kΩ or more	10Ω or less
0-100mV	100kΩ or more	100Ω or less
0-1V	1kΩ or more	1Ω or less
0-10V	10kΩ or more	
0-5V	5kΩ or more	
1-5V		

■ DC Current

Output	Load Resistance	Impedance
4-20mA	0-600Ω	5MΩ or more
2-10mA	0-1200Ω	
1-5mA	0-2400Ω	
0-20mA	0-600Ω	
0-10mA	0-1200Ω	
0-1mA	0-12kΩ	

■ GENERAL SPECIFICATIONS

- Construction : Plug-In
- Housing Material : ABS plastic(Black)
- Adjustments : Zero and Span ±5%

■ INSTALLATION

- DC : 24V ±10%, 100mA(Ripple 10% p-p max)
- AC : Rating (100~240V) ±10%, 50/60Hz 4VA

■ INPUT SIGNAL SPECIFICATIONS

- Range - Potentiometer : any value of 100Ω~10kΩ

■ OUTPUT SIGNAL SPECIFICATIONS

- Output voltage : 12V DC max
- Output Current : 30mA DC max



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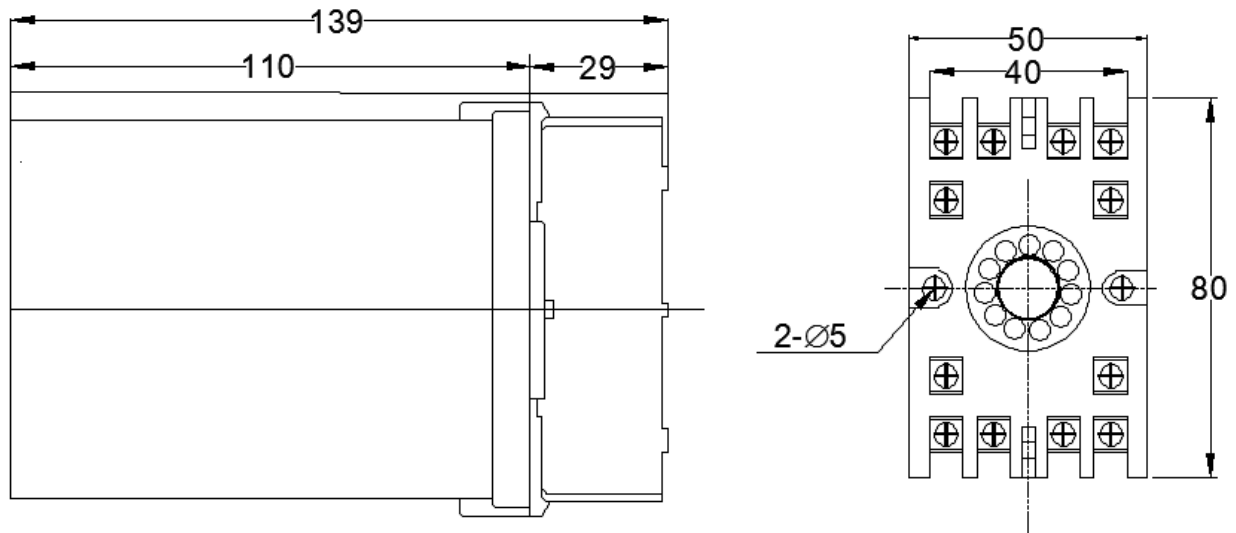
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■ DIMENSION



■ ORDERING INFORMATION

CODE	INPUT SIGNAL
1	0~100Ω
2	0~135Ω
3	0~500Ω
4	0~1kΩ
5	0~2kΩ
6	0~10kΩ
O	Other Potentiometer
CODE	OUTPUT SIGNAL
1	DC 0~10mV
2	DC 0~100mV
3	DC 0~1V
4	DC 0~5V
5	DC 0~10V
6	DC 1~5V
A	DC 4~20mA
B	DC 2~10mA
C	DC 1~5mA
D	DC 0~20mA
E	DC 0~10mA
F	DC 0~1mA
O	Other
CODE	POWER SUPPLY
1	AC 110V
2	AC 220V
3	DC 24V(Option)

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