

SHICO. RTD ISOLATION CONVERTER

MODEL : SRC Series

The RTD isolation converter model SRC accepts 3-Wire RTD inputs and provides an isolated, linearized DC Output.

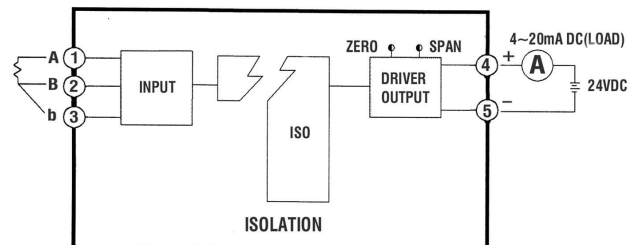
※ Able burnout protection standard : Downscale or no burnout optional.

■ SPECIFICATION

ITEM	SPECIFICATIONS
Input	PT 100Ω 3-Wire PT 50Ω 3-Wire Current to PT Bulb(2mA)
Output	DC Voltage or DC Current signal
Accuracy	±0.2% of F.S
Output Rating	±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



■ 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 : -200~1750℃
- Permissible leadwire resistance : 200Ω/wire max
- Sensing : 2mA DC (pt)

■ OUTPUT SIGNAL SPECIFICATIONS

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

■ 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	



SAM HOI INDUSTRIAL CO., LTD.

#48-2, 66-BeonGil, Golden root-Ro, Juchon Myeon, Gimhae-city Gyeongnam, Korea

Tel. +82-55-321-0578 Fax. +82-55-321-0573

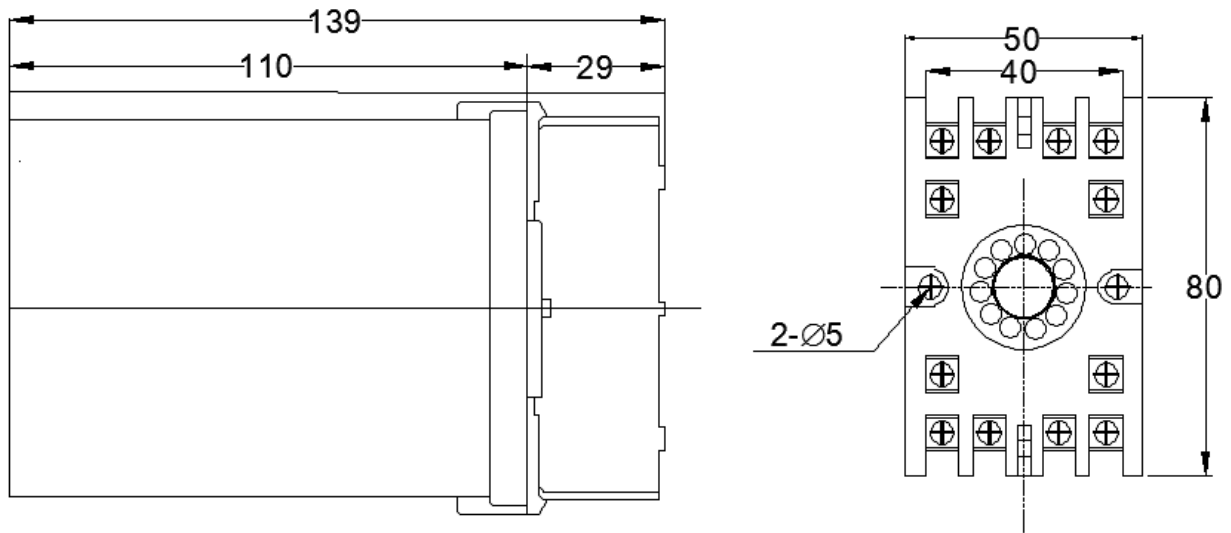
E-mail: shico007@chol.com Homepage : www.shico.co.kr

H-7

SHICO. RTD ISOLATION CONVERTER

MODEL : SRC Series

■ DIMENSION



■ ORDERING INFORMATION

CODE	INPUT SIGNAL
1	PT 100Ω
2	PT 50Ω
O	Other Resistance Bulb
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)

SRC - □ - □ - □



SAM HOI INDUSTRIAL CO., LTD.

#48-2, 66-BeonGil, Golden root-Ro, Juchon Myeon, Gimhae-city Gyeongnam, Korea

Tel. +82-55-321-0578 Fax. +82-55-321-0573

E-mail: shico007@chol.com Homepage : www.shico.co.kr

H-8