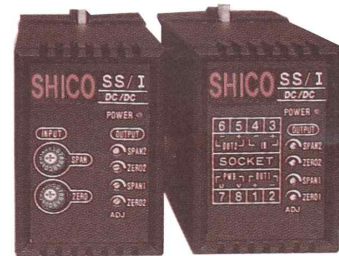


# SHICO. SIGNAL ISOLATION CONVERTER

MODEL : SSI Series

The signal isolation converter model SSI accepts standard and non-standard process signals and provides an isolated, proportional DC output



## ■ SPECIFICATION

ITEM	SPECIFICATIONS
Input	DC Voltage Signal DC Current Signal
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 (DC 500V)
Dielectric Strength	Input-Power AC1000V
	Input-Output AC1000V (1min)
	Input-GND AC1000V
Ambient Temperature	-5 ~ +60℃
Humidity	Less than 90% RH

## ■ 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

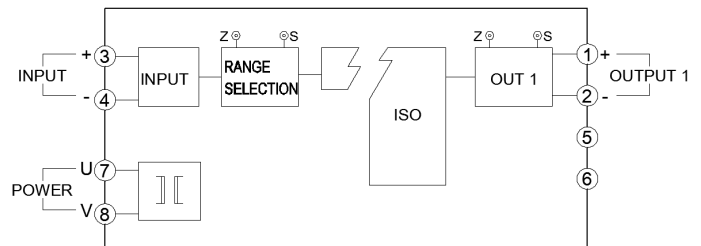
- Input Voltage Signal : -300~300V DC
- Input Voltage Impedance : 1MΩ or more
- Input Current Signal : 50mA DC max

## ■ OUTPUT SIGNAL SPECIFICATIONS

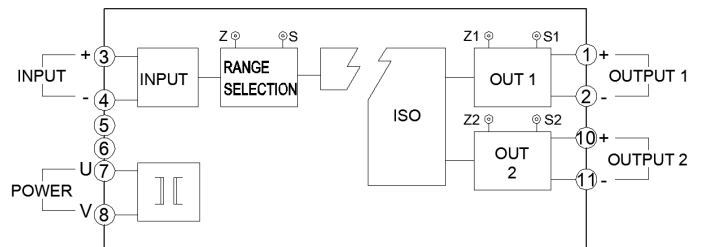
- Output voltage : 12V DC max
- Output Current : 30mA DC max

## ■ BLOCK DIAGRAM & CONNECTIONS

- Single Loop



- Double Loop



## ■ 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	0-750Ω	
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

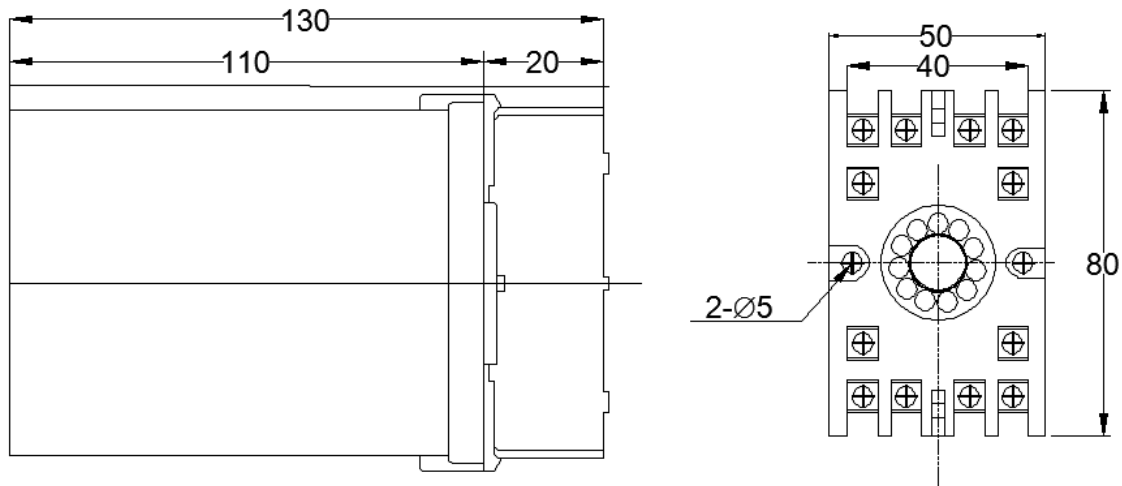
E-mail: shico007@chol.com Homepage : [www.shico.co.kr](http://www.shico.co.kr)

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# SHICO. SIGNAL ISOLATION CONVERTER

MODEL : SSI Series

## ■ DIMENSION



## ■ ORDERING INFORMATION

CODE	INPUT SIGNAL
1	0~10mV
2	0~100mV
3	0~1V
4	0~5V
5	0~10V
6	1~5V
A	4~20mA
B	2~10mA
C	1~5mA
D	0~20mA
E	0~10mA
F	0~1mA
O	Other

CODE	OUTPUT SIGNAL
1	0~10mV
2	0~100mV
3	0~1V
4	0~5V
5	0~10V
6	1~5V
A	4~20mA
B	2~10mA
C	1~5mA
D	0~20mA
E	0~10mA
F	0~1mA
O	Other

CODE	POWER SUPPLY
1	AC 110V
2	AC 220V
3	DC 24V(Option)

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#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](http://www.shico.co.kr)

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