

# SHICO. PULSE DIVIDER

MODEL : SPD Series

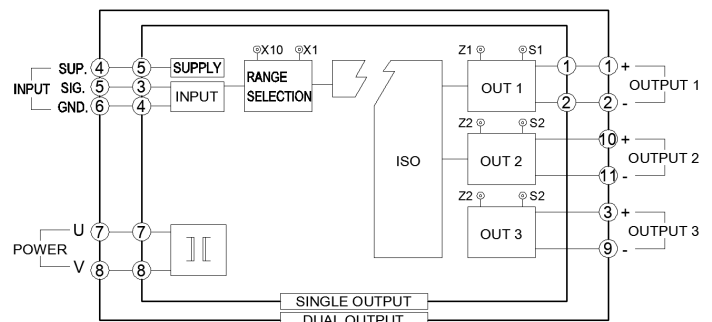
This converter each accept a on-off, voltage pulse converter and normalize it, provide isolated and output mA, mV, V, DC signals.



## ■ SPECIFICATION

ITEM		SPECIFICATIONS
Input	On-Off Pulse	Dry contact, Open collector (Contact voltage 7.5V)
	Voltage Pulse	2~50Vp-p
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 Temp'		-5 ~ + 60 °C
Humidity		Less than 90% RH

## ■ BLOCK DIAGRAM & CONNECTIONS



### ■ GENERAL SPECIFICATIONS

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

### ■ INSTALLATION

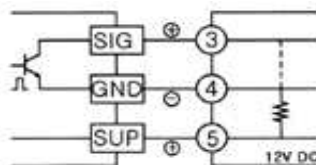
- DC : 24V±10%,100mA(Ripple 10%p-p max)
- AC : Rating (100~240V)±10%, 50/60Hz
- Mounting : DIN Rail

### ■ INPUT SIGNAL SPECIFICATIONS

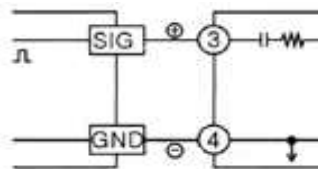
- Voltage pulse, Open collector :12VDC, 3mA
- Frequency : 10KHz max
- Sensor excitation : 12V DC 30mA

### ■ INPUT CONNECTION EXAMPLES

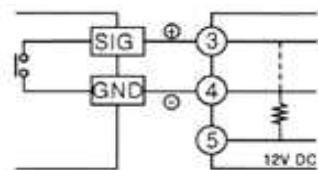
1. Open collector



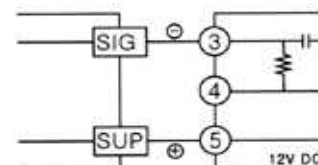
2. Voltage pulse



3. Dry contact



4. Current pulse



### ■ OUTPUT SIGNAL SPECIFICATIONS

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

### ■ DC CURRENT

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	

### ■ DC VOLTAGE

Output	Load resistance	Impedance
4~20mA	0~600Ω	5MΩ or more
2~10mA	0~1200Ω	
1~5mA	0~2400Ω	
0~20mA	0~600Ω	
1~10mA	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

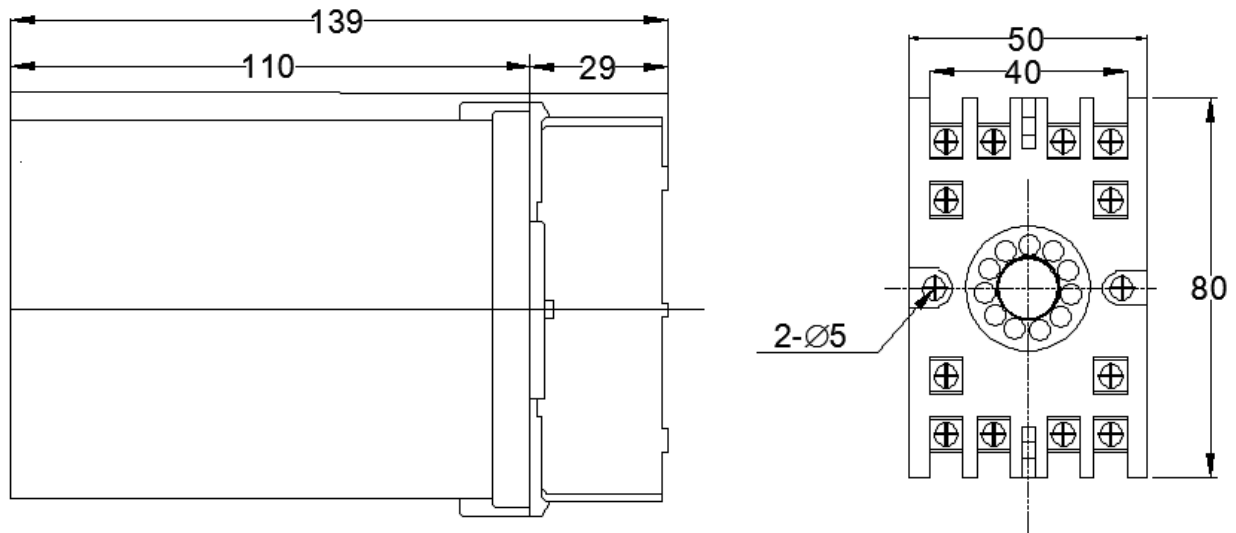
E-mail: shico007@chol.com Homepage : [www.shico.co.kr](http://www.shico.co.kr)

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MODEL : SPD Series

## ■ DIMENSION



## ■ ORDERING INFORMATION

CODE	INPUT SIGNAL
1	Voltage Pulse (5V, 12V, 24V)
2	Dry Contact
3	Open Collector
CODE	OUTPUT SIGNAL
1	Voltage pulse
2	Relay contact
3	Open collector
CODE	POWER SUPPLY
1	AC 110V
2	AC 220V
3	DC 24V(Option)

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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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