

# POTENTIOMETER TRANSMITTER

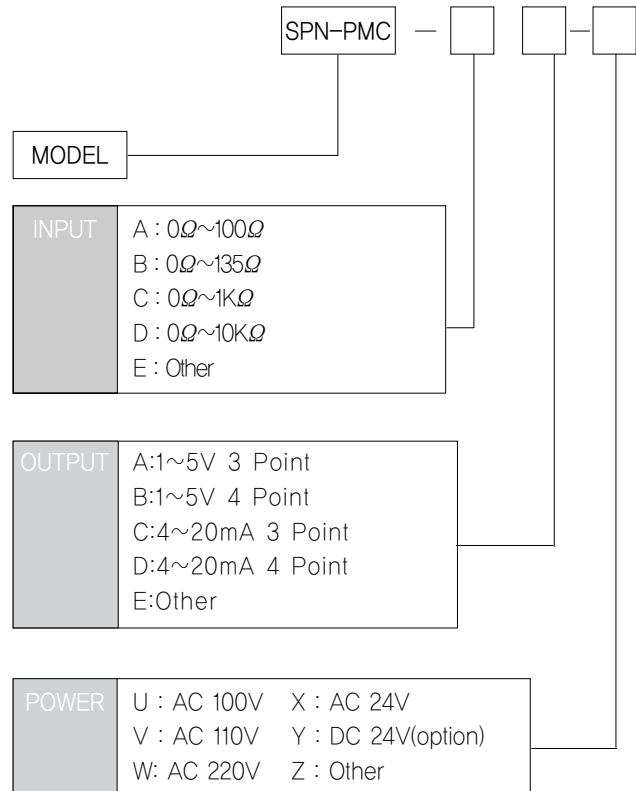
SPN-PMC



SPN-PMC is designed for converting the input signal that receives from potentiometer's sensor into process signal.

- Tank leveling.
- Positioning.
- 3 or 4 outputs are available from 1 input.
- Contains overvoltage protection circuit.
- Transformer isolation type.

## MODEL & SUFFIX CODE SELECTION



## GENERAL SPECIFICATIONS

Isolation/Type	Input to output to power/Transformer isolation type		
Power Supply	AC rating $\pm 10\%$ , approx. 7VA DC rating $\pm 10\%$ , (ripple 10%)200mA		
Accuracy	$\pm 0.15\%$ (Max)		
Temp Coefficient	$\pm 0.015\%$ / $^{\circ}\text{C}$ ( $\pm 0.008\%$ / $^{\circ}\text{F}$ )		
Linearity	$\pm 0.02\%$ F.S		
Insulation Resistance	Greater than 100M $\Omega$ with DC 500V		
Dielectric Strength	Input - Power	AC 2500V	1 minute
	Input - Output		
	Output 1 - Output 2		
	GND - Power		
Front Adjustments	Zero and Span $\pm 5\%$		
Overrange Output	approx. $-10\% \sim 110\%$ at DC 1~5V		
Response Time	$\leq 0.5$ sec (0~90%)		
Operating Temperature/Humidity	$-20 \sim 60^{\circ}\text{C}$ / 90%(N.C)		
Storage Temperature/Humidity	$-20 \sim 80^{\circ}\text{C}$ / 95%(N.C)		
Dimensions	W81×H129×D138(mm)		
Case Material	Aluminum		
Weight	about 980g		
Mounting	Wall mounting		

# SIGNAL CONVERTER SPN-PMC

## INPUT & OUTPUT SPECIFICATIONS

### Input Specification

Specification	Report
Excitation(135Ω)	DC 0,5V
Excitation(135Ω-1KΩ)	DC 2,5V

### Output Load Resistance

Output	Out-1	Out-2	Out-3	Out-4	Remark
4 ~ 20mA	460Ω	460Ω	460Ω	460Ω	(Max)
0 ~ 20mA	460Ω	460Ω	460Ω	460Ω	(Max)
2 ~ 10mA	950Ω	950Ω	950Ω	950Ω	(Max)
1 ~ 5V	5000Ω	5000Ω	5000Ω	5000Ω	(Min)
0 ~ 1V	1000Ω	1000Ω	1000Ω	1000Ω	(Min)

## BLOCK DIAGRAM

