

POTENTIOMETER TRANSMITTER

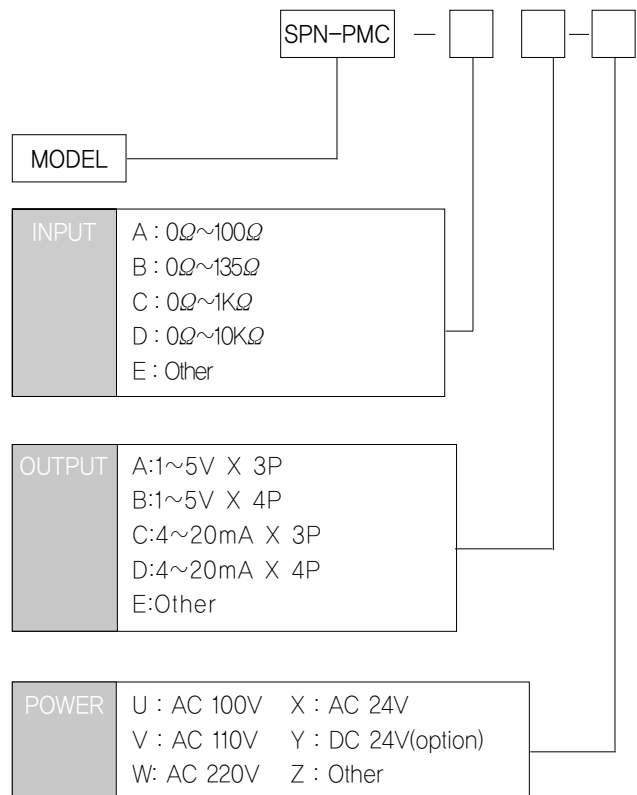
SPN-PMC



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	$\pm 0.015\% / ^\circ C (\pm 0.008\% / ^\circ F)$		
Linearity	$\pm 0.02\%$ F.S		
Insulation Resistance	Greater than 100M Ω 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	≤ 0.5 sec (0~90%)		
Operating Temperature/Humidity	$-20 \sim 60^\circ C / 90\%$ (N.C)		
Storage Temperature/Humidity	$-20 \sim 80^\circ C / 95\%$ (N.C)		
Dimensions	W81xH129xD138(mm)		
Case Material	Aluminum		
Weight	about 980g		
Mounting	Wall mounting		

SIGNAL CONVERTER SPN-PMC

INPUT & OUTPUT SPECIFICATIONS

Input Specification

Specification	Report
Excitation(135 Ω)	DC 0.5V
Excitation(135 Ω -1K Ω)	DC 2.5V

Output Load Resistance

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

BLOCK DIAGRAM

