

POTENTIOMETER TRANSMITTER

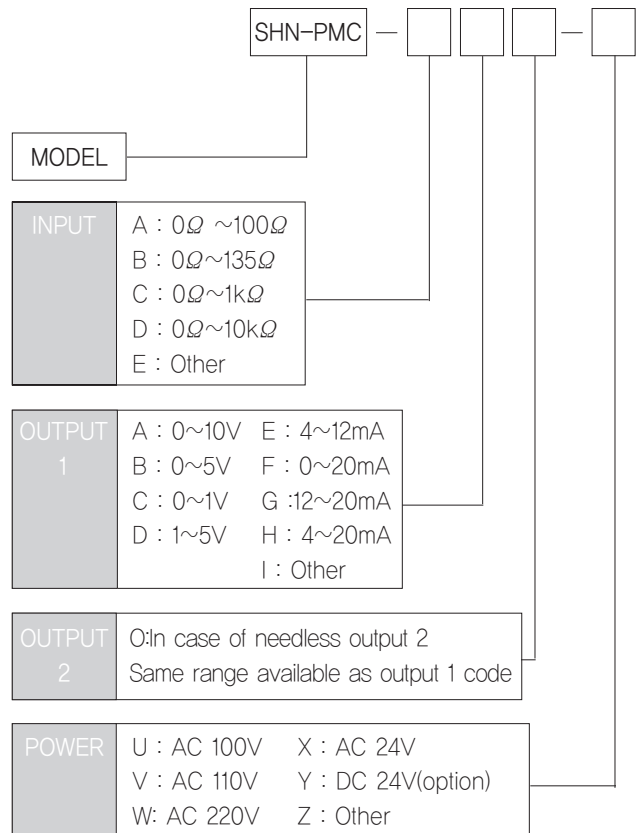
SHN-PMC



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

- Tank leveling.
- Positioning.
- 1 or 2 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 ±10%, approx. 3.5VA		
Accuracy	DC rating ±10%, (ripple 10%)100mA		
Temp Coefficient	±0.15% / °C(±0.008%/°F)		
Linearity	±0.02% F.S		
Insulation Resistance	Greater than 100MΩ with DC 500V		
Dielectric Strength	Input – Power	AC 2500V	1 minute
	Input – Output		
	Output 1 – Output 2	AC 1000V	
	GND – Power		
Front Adjustments	Zero and Span ±5%		
Overrange Output	approx. -10% ~ 110% at DC 1~5V		
Response Time	≤0.5 sec (0~90%)		
Operating Temperature/Humidity	-20~60°C / 90%(N.C)		
Storage Temperature/Humidity	-20~80°C / 95%(N.C)		
Dimensions	8 pin:W50xH85xD122(mm) 11 pin:W50xH85xD133(mm)		
Case Material	ABS Resin (black)		
Weight	about 400g		
Mounting	Wall & Rail mounting		

INPUT & OUTPUT SPECIFICATIONS

Input Specification

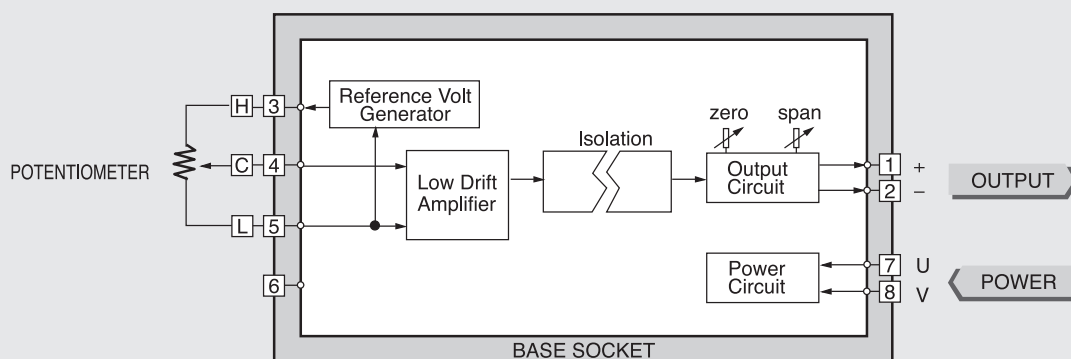
Specification	Report
Excitation(135 Ω)	DC 0.5V
Excitation(135~1k Ω)	DC 2.5V

Output Load Resistance

Output	1 Point	2 Point		Remark
	Output	Output-1	Output-2	
4 ~ 20mA	700 Ω	600 Ω	350 Ω	(Max)
0 ~ 20mA	700 Ω	600 Ω	350 Ω	(Max)
2 ~ 10mA	1200 Ω	1200 Ω	700 Ω	(Max)
1 ~ 5V	5000 Ω	5000 Ω	5000 Ω	(Min)
0 ~ 1V	1000 Ω	1000 Ω	1000 Ω	(Min)

BLOCK DIAGRAM

1 Point Output



2 Point Output

