

POTENTIOMETER TRANSMITTER

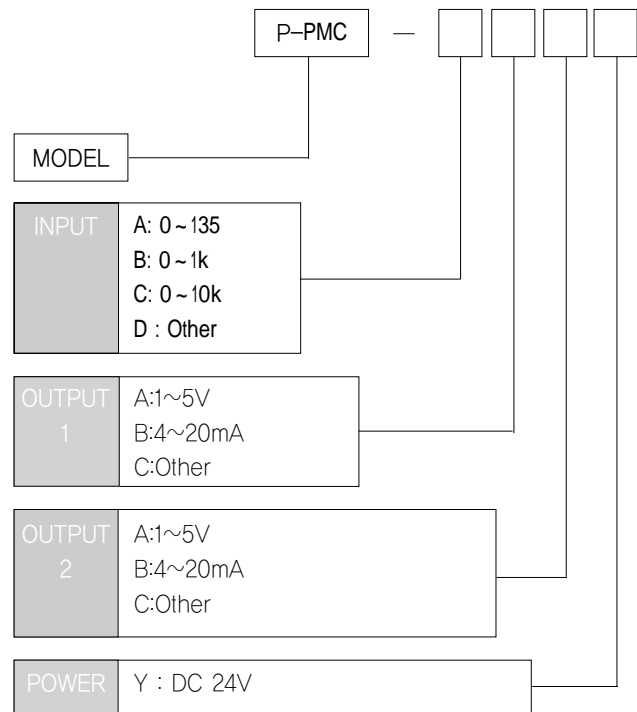
P - PMC



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

- Long distance transmission between the PMC and the transmitter.
- Combination with intrinsic safety barriers.
- Contains linearizer circuit.
- 1 or 2 outputs are available from 1 input
- Transformer isolation type
- Slim wide 18mm

MODEL & SUFFIX CODE SELECTION



GENERAL SPECIFICATIONS

Isolation/Type	Input to output to power/Transformer isolation type
Power Supply	DC24V \pm 2V, (ripple 10%) 100mA(full load)
Accuracy	\pm 0.15%(Max)
Temp Coefficient	\pm 0.015%/°C
Linearity	\pm 0.02% F.S
Insulation Resistance	Greater than 100M Ω with DC 500V
Front Adjustments	Zero and Span \pm 5%
Ovrange Output	approx.-10% ~ 110% at DC 1~5V
Response Time	\leq 0.2 sec (0~90%)
Operating Temperature/Humidity	0~60°C / 90%(N.C)
Storage Temperature/Humidity	-20~80°C / 95%(N.C)
Dimensions	W18xH100xD112(mm)
Case Material	ABS Resin (black)
Weight	about 200g
Mounting	Rail mounting Type

SIGNAL TRANSMITTER P-PMC

INPUT & OUTPUT SPECIFICATIONS

Input Specification

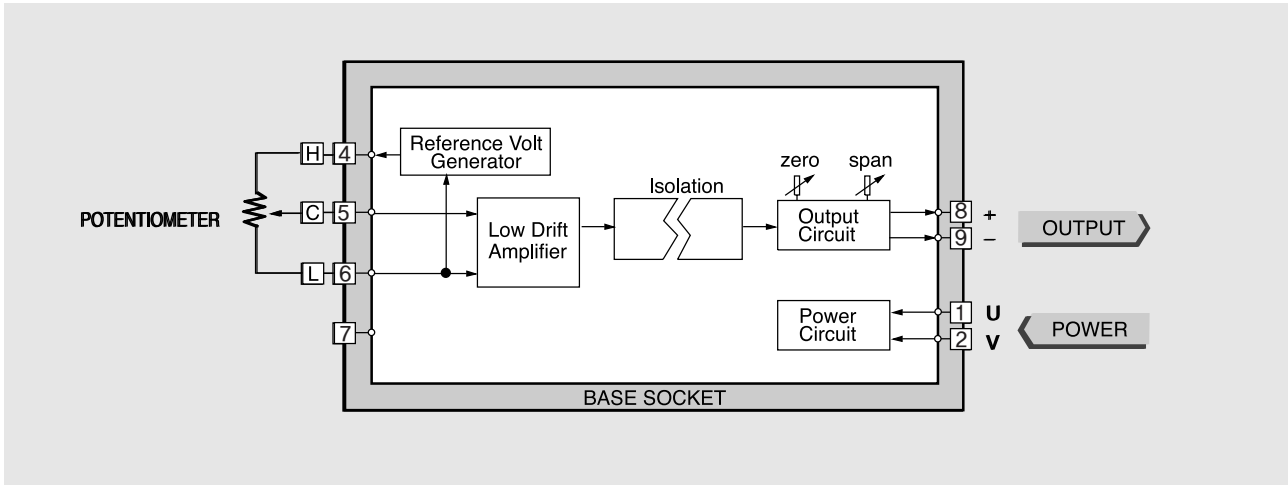
Specification	Report
Excitation(135Ω)	DC 0.5V
Excitation(135~1kΩ)	DC 2.5V

Output Load Resistance

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

BLOCK DIAGRAM

1 Point Output



2 Point Output

