

CURRENT LOOP SUPPLY

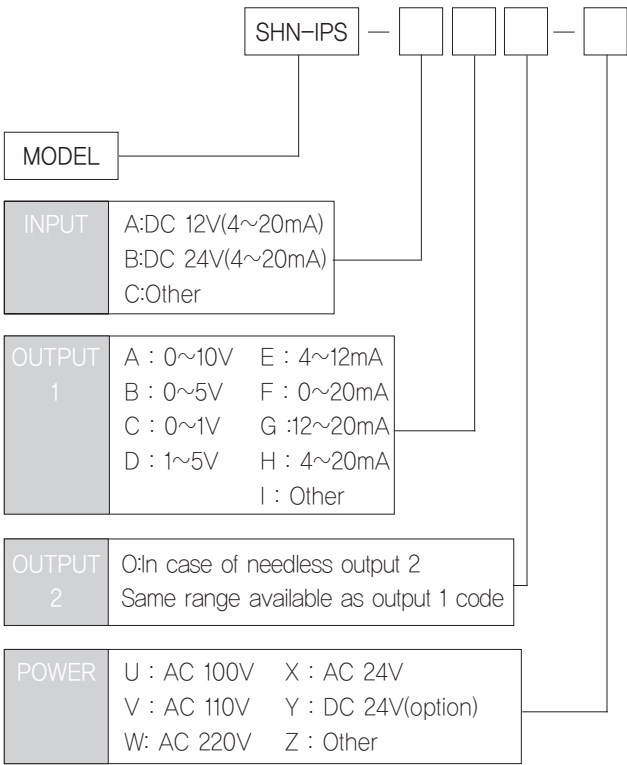
SHN-IPS



A converter is used to supplies power to 2-wire current loop system transmitter and receives DC signal and provides isolated DC signal.

- Various 2-wire transmitters.
- Isolator application(4~20mA)
- 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	±0.1%(Max)		
Linearity	±0.015% / °C(±0.008%/°F)		
Insulation Resistance	±0.02% F.S		
	Greater than 100MQ 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 Impedance

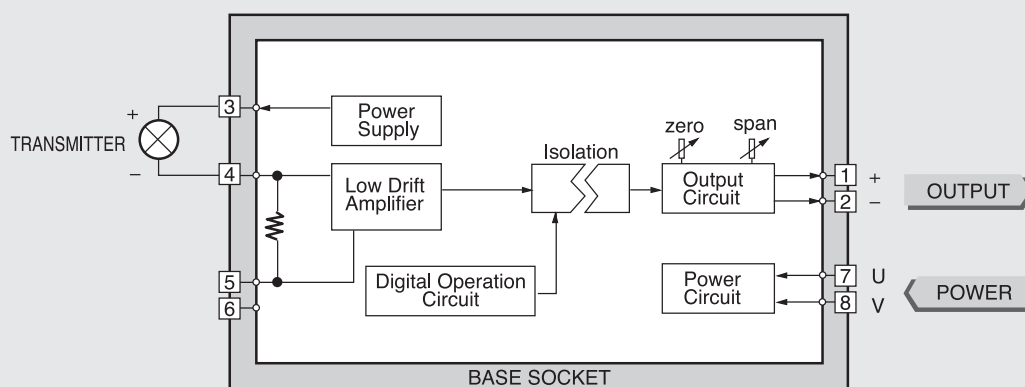
Specification	Report
Supply range	24~28V(with no load)
Current range	22mA(Max)
Current limited	30mA(Max)
Input impedance	250Ω

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

