PEAK HOLDER

SHN-PHC

A converter is designed for holding and transmitting the proportional to input signal in isolated condition.

- Hold mode:Responds only to an increasing signal, holding the maximum value until a higher signal or reset command is initiated.
- Minimum value hold selectable.
- Monitoring peak power consumption.
- 1 or 2 outputs are available from 1 input.
- Contains overvoltage protection circuit.
- Transformer isolation type.

MODEL & SUFFIX CODE SELECTION

SHN-PHC — □ □ □ — □

MODEL	
INPUT	A:1~5V B:4~20mA C:Other
OUTPUT 1	A:1~5V B:4~20mA C:Other
OUTPUT 2	A:1~5V B:4~20mA C:Other O:In case of needless output 2
POWER	U : AC 100V X : AC 24V V : AC 110V Y : DC 24V(option) W: AC 220V Z : Other

GENERAL SPECIFICATIONS

Isolation/Type	Input to output to power/Transformer isolation type		
Power Supply	AC rating ±10%, approx. 3.5VA DC rating ±10%, (ripple 10%)100mA		
Accuracy	±0.1%(Max)		
Temp Coefficient	±0.015% / ℃(±0.008%/℉)		
Linearity	±0.02% F.S		
Insulation Resistance	Greater than 100MΩ with DC 500V		
Dielectric Strength	Input – Power Input – Output Output 1 – Output 2 GND – Power	AC 2500V AC 1000V	1 minute
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℃ / 90%(N.C)		
Storage Temperature/Humidity	–20~80℃ / 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

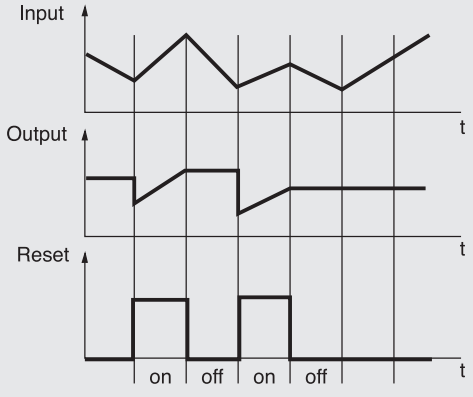
Input Impedance

Input	Impedance
4~20mA	250Ω
1~5V	1MΩ (Min)

Output Load Resistance

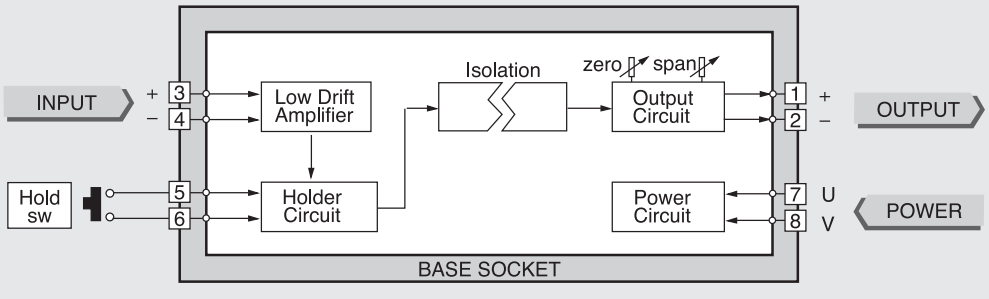
Output	1 Point	2 Point		Remark
	Output	Output-1	Output-2	
4 ~ 20mA	700Ω	600Ω	350Ω	(Max)
1 ~ 5V	5kΩ	5kΩ	5kΩ	(Min)

RESET TIMING CHART



BLOCK DIAGRAM

1 Point Output



2 Point Output