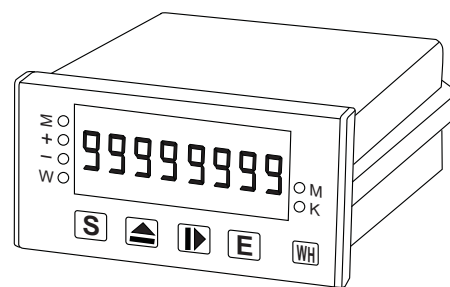




FEATURES

- 8 digits display: 99999999
- Accuracy: $\pm 0.3\%$
- Programmable process rate monitor
- Easy-to-wire, screw-type terminals
- Input/Output/Power/Case is isolated
- Outside dimension is DIN standard (96x48mm)



SPECIFICATION

• Input

Circuit	AC Input		Display
	Voltage	Ampere	
Single Phase	110V	5A	99999999 (Auto-Cal. Decimal point)
	220V		
3-Phase, 3-Wire	110V	1A	
	220V		
3-Phase, 4-Wire	√3 110V/110V	1A	
	√3 220V/220V		

• Output

Per 1KWH or 1KVARH	1 counts	Pulse	Open Collect	SPST Relay Contacts
	10 counts			
	100 counts			
		DC 5V, 5mA	DC 30V, 100mA	AC 110V, 0.5A DC 24V, 1A

• Communication

Interface.....RS 485
Protocol MODBUS, RTU framing
Baud rate 1200 ~ 38400
Address range 1 ~ 255
Data format N82, O81, E81, N81

• General

Display 9.1mm (0.36") H, red LED
WATT/VAR max. display 4 digits (9999)
Max. input over capability Amp. 3 x rated continuous
10 x rated 30 seconds
50 x rated 1 second
Volt. 750V continuous
Accuracy $\pm 0.3\%$ F.S. ± 1 digit, PF ≥ 0.5 , indicator
 $\pm 0.3\%$ R.O., PF ≥ 0.5 , output
Input burden Volt. input ≤ 0.5 VA/Phase
Amp. Input ≤ 0.1 VA/Phase
Input frequency range 45 ~ 70Hz
Aux. power source AC /DC 85 ~ 265V
DC 20 ~ 60V
Power consumption $\leq$ AC 6.5VA, $\leq$ DC 5W
Operating temperature range 0 ~ 60°C
Storage temperature range -10 ~ 70°C
Temperature coefficient ≤ 150 PPM/°C
Max. relative humidity 95%
Memory times ≥ 10 years
Dielectric strength (IEC 688) AC 2KV/1 minute
Input/output/power terminates
AC 3KV/1 minute
All terminals to case
Connection diagram See page 23, Figure G.
Dimensions See page 23, Figure 01.

• Electromagnetic compatibility

Electrostatic discharge IEC 61000-4-2
Electromagnetic fields immunity IEC 61000-4-3
Electrical transient in burst IEC 61000-4-4
Withstanding impulse voltage IEC 61000-4-5
Immunity to voltage dips IEC 61000-4-11

■ ORDERING INFORMATION

S2-800WHT
S2-800RHT

Model

Circuit

12: single phase, 2-wire
13: single phase, 3-wire
33: 3-phase, 3-wire
34: 3-phase, 4-wire

Input Voltage

1: AC 110V
2: AC 220V
3: AC $\sqrt{3}$ 110V/110V
4: AC $\sqrt{3}$ 220V/220V
0: Option

Input Current

A: 5A
B: 1A
0: Option

Output Range

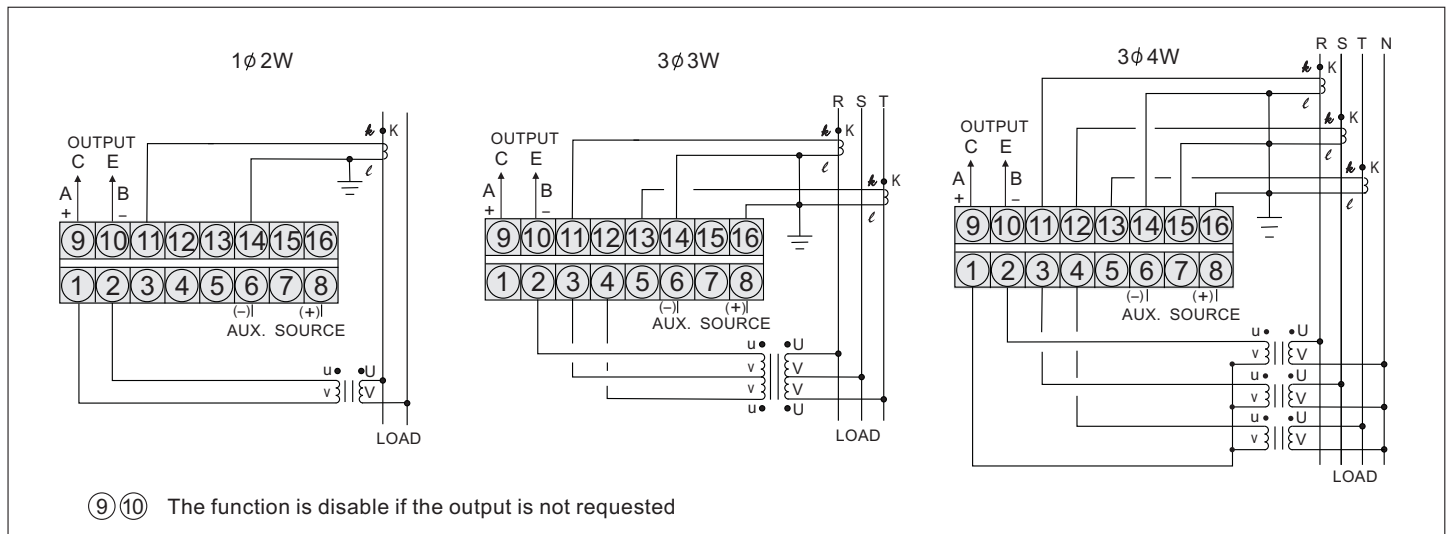
P: Pulse
C: Open, Collect
R: Relay
RS: RS 485

Aux. Power Source

1: AC /DC 85 ~ 265V
2: DC 20 ~ 60V
0: Option

CONNECTION DIAGRAMS

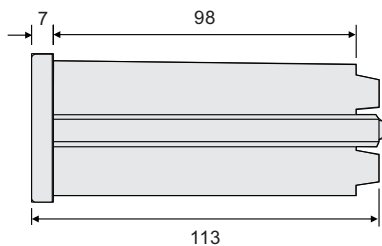
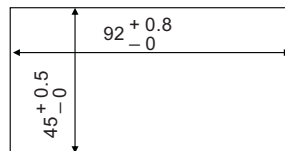
Figure G.



OUTSIDE DIMENSION (UNIT:mm)

Figure 01.

• PANEL CUT-OUT



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