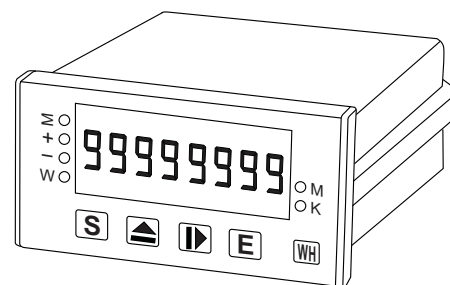




FEATURES

- 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	$\sqrt{3}$ 110V/110V	1A	
	$\sqrt{3}$ 220V/220V		

• Output

Per 1KWH or 1KVARH	1 counts 10 counts 100 counts	Pulse DC 5V, 5mA	Open Collect DC 30V, 100mA	SPST Relay Contacts AC 110V, 0.5A DC 24V, 1A
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• 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 60688)..... 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

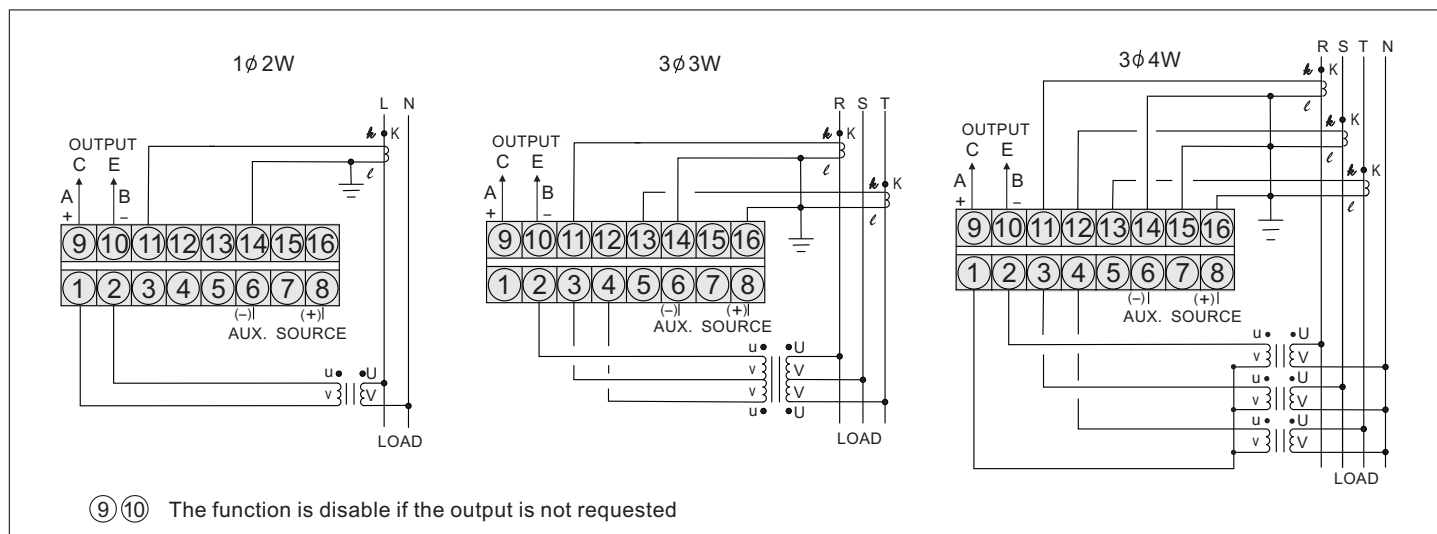
P: Pulse
C: Open Collect
R: Relay
RS: RS 485

Aux. Power Source

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

CONNECTION DIAGRAMS

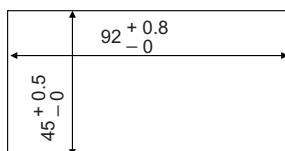
Figure G.



OUTSIDE DIMENSION (UNIT:mm)

Figure 01.

• PANEL CUT-OUT



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