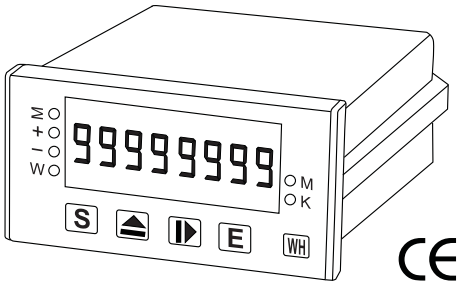
MICROPROCESSOR WATT(VAR) HOUR METER

MODEL
S2-800WH
S2-800RH

FEATURES

- 8 digits display: 99999999
- Accuracy: ±0.3%
- Programmable adjustment for current, voltage transformers ratio
- Easy-to-wire. screw-type terminals
- Outside dimension is DIN standard (96x48mm)



SPECIFICATION

• Input

Circuit	AC Input		Display (KWH/KVARH)
	Voltage	Ampere	
Single Phase	110V	5A	99999999 (Auto-change decimal point)
	220V		
3-Phase, 3-Wire	110V		
	220V		
3-Phase, 4-Wire	√3 110V/110V		
	√3 220V/220V		

Display ..... 9.1mm (0.36") H, red LED
WATT/VAR 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 ..... ± 0.3% F.S. ± 1 digit, PF ≥ 0.5
(Option: Depending on actual measuring)
Input burden ..... Volt. input ≤ 0.5VA/Phase
Amp. Input ≤ 0.1VA/Phase
Input frequency range ..... 45 ~ 70HZ
Aux. power source ..... AC/DC 85 ~ 265V
DC 20 ~ 60V
Power consumption ..... ≤AC 6.5VA,≤ DC 5W
Operating temperature range ..... 0 ~ 60°C
Storage temperature range ..... -10 ~ 70°C
Temperature coefficient ..... ≤150PPM/°C
Max. relative humidity 95%
Memory time ..... 10 years
Dielectric strength (IEC 60688) ..... AC 2KV/1 minute
Input to power terminals
AC 3KV/1 minute
All terminals to case

• Electromagnetic compatibility

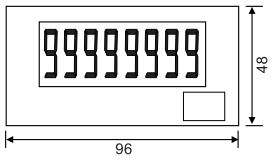
Electrostatic discharge ..... IEC 61000-4-2
Electromagnetic fields immunity ..... IEC 61000-4-3
Electrical transient in burst ..... IEC 61000-4-4
Withstanding impulse voltage ..... IEC 61000-4-5
Immunity to voltage dips ..... IEC 61000-4-11

ORDERING INFORMATION

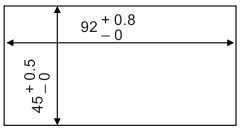
S2-800WH
S2-800RH- □ □ □ □

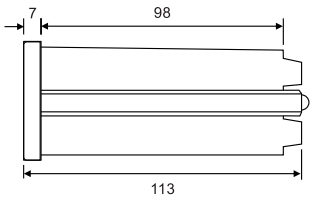
Circuit	Input Voltage	Input Current	Aux. Power Source
12: 1Φ2W 13: 1Φ3W 33: 3Φ3W 34: 3Φ4W	1: AC 110V 2: AC 220V 3: AC √3 110V/110V 4: AC √3 220V/220V 0: Option	A: AC 5A B: AC 1A 0: Option	1: AC/DC 85 ~ 265V 2: DC 20 ~ 60V 0: Option

OUTSIDE DIMENSION (UNIT:mm)



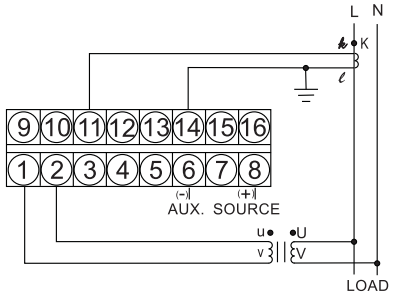
• PANEL CUT-OUT



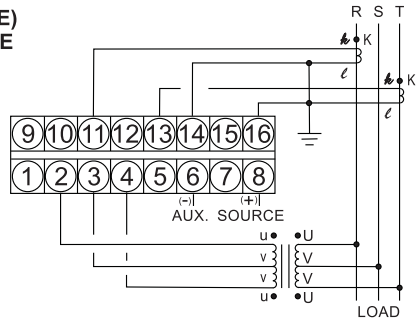


CONNECTION DIAGRAMS

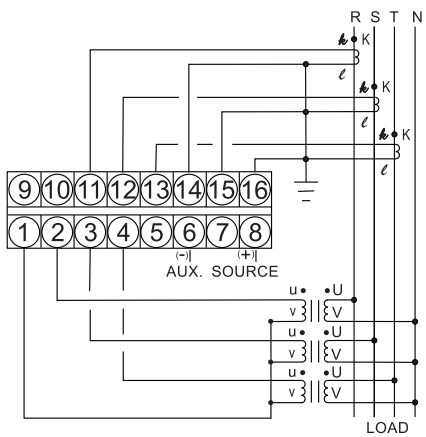
1-PHASE 2-WIRE



(1-PHASE 3-WIRE)
3-PHASE 3-WIRE



3-PHASE 4-WIRE



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