

MICROPROCESSOR DIGITAL WATT(VAR)-HOUR METER

MODEL: MP-10W(R)H(BUILT-IN TRANSDUCTER)



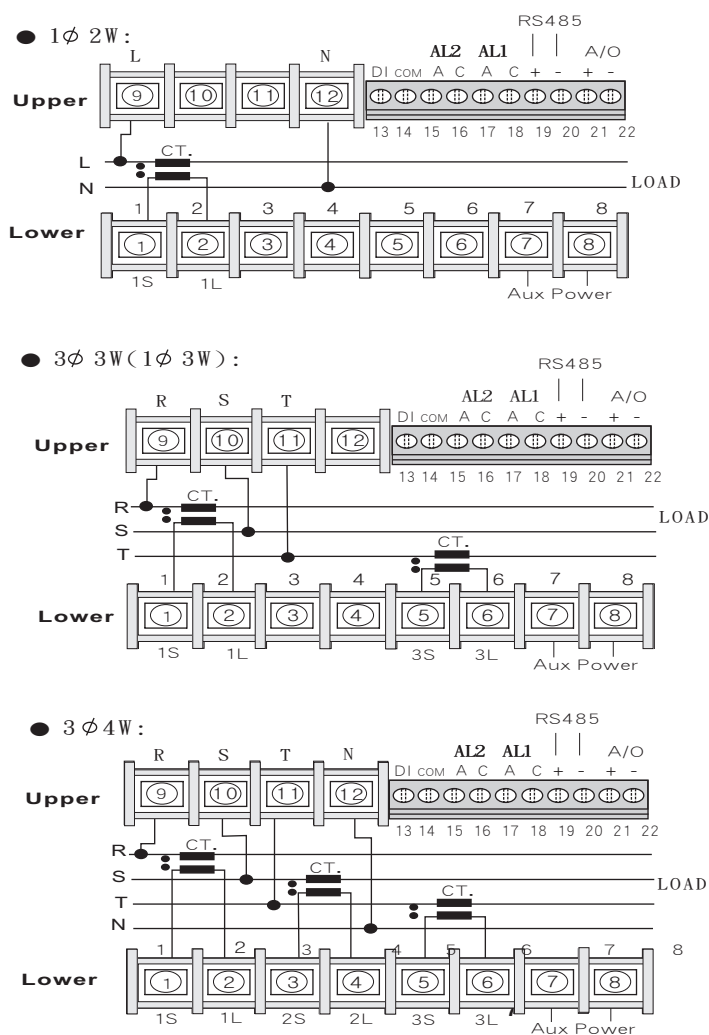
FEATURES

- INSTANT VALUE FREE SETTING (0-19999)
- PROGRAMABLE TIME SETTING (1 or 60 or 3600 sec.)
- ACCURACY: $\pm 0.25\%$
- TOTALIZER VALUE ZERO ADJUSTMENT
- TOTALIZER VALUE FREE SETTING (0.001- 9.999)
- INSTANT & TOTALIZER VALUE ALARM FREE SETTING
- WITH INSTANT ALARM / TOTALIZER ALARM or TOTALIZER ALARM / ANALOGUE OUTPUT

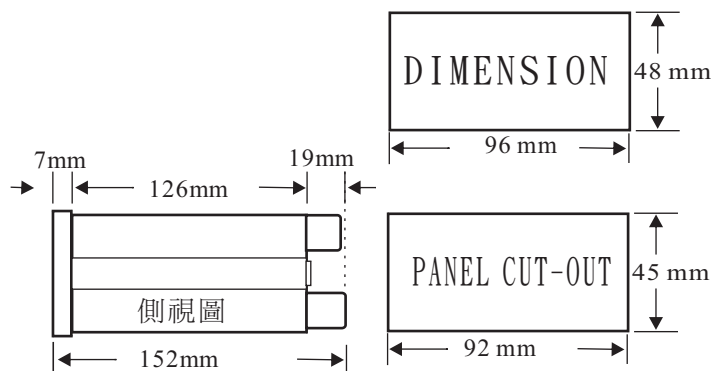
SPECIFICATION

Accuracy	$\pm 0.25\%$
Display	RED LED, 0.4" (10.2mm)
Sampling Time	16 cycles/sec.
Display range	Kw(Kvar): 19999 Kwh(KvarH): 9999999999
Decimal Point	Settable to any position by front sheet switch
Memory	EE PROM
Over range Indication	doFL/ioFL
Alarm delay time	Setting (0-99sec.)
Relay contact capacity	AC 277V/7A, DC 30V/7A
Accuracy (Output)	$\pm 0.2\%$ RO
Analoge respons time	<250ms (0-90%)
Output	Rs485 Modbus RTU mode
Analoge Output	Volt. Output: <10V(1K \sim ∞) Amp. Output: <20mA(0 \sim 500 Ω)
Temperature coefficient	100ppm/ $^{\circ}$ C (0 \sim 60 $^{\circ}$ C)
Baudrate	38400/19200/9600/4800
Dielectric strength	AC 1.5 KV/ 1 min (input to power terminals)
Operating temperature range	0 \sim 60 $^{\circ}$ C
Operating humidity range	20 to 90% RH
Storage temperature range	-10 \sim 70 $^{\circ}$ C
Storage humidity range	20 to 90% RH
Aux. power source	AC/DC 100 \sim 240V DC 12/24/48V
Power consumption	Approx ≤ 10.5 VA(Max.)
Weight(about)	1 ϕ 2w 318g 3 ϕ 3w 335g 3 ϕ 4w 351g

CONNECTION DIAGRAM



THE OUTSIDE DIMENSION



ORDERING MODEL MAKE UP

MP-10		NO.1	NO.2	NO.3	NO.4	NO.5	NO.6	NO.7	NO.8	NO.9
1 Kinds	WH KW-KWH	12	13	33	34					
	RH KVAR-KVARH									
2 Circuit	12 1 ϕ 2W	13 1 ϕ 3W	33 3 ϕ 3W	34 3 ϕ 4W						
3 Input Volt.	1 AC 110V	2 AC 220V	3 AC 380/220V	4 AC 190/110V	5 OPTION AC600V					
4 Input Amp.	1 AC 0-1A	5 AC 0-5A								
5 Frequency	5 50Hz	6 60Hz	4 400Hz							
6 Aux. power	1 AC/DC 100-240V	2 DC 12V	3 DC 24V	4 DC 48V	5 OPTION					
7 Relay Setting Function	1 NON	2 Instant Value Alarm x 1	3 Instant Value Alarm x 2	4 Instant Value Alarm x 1 Totalizer Value Alarm x 1	5 Totalizer Value Alarm x 1	6 Instant Value Alarm x 1+" P/O	7 Totalizer Value Alarm x 1+" P/O			
8 Analogue Output	N NON	A 4-20mA	V 0-10 V							
9 RS 485	N NO	Y YES								