

SLIMMED-DOWN TYPE MULTI-FUNCTION POWER METER ,48x96mm

MODEL
MMP-3S



■ FEATURES

- Accuracy $\pm 0.15\%$ F.S.
- Measuring and display ACV/ACA/KW(Frequency/Power Factor)KWH
- ACA/ACV/Watt for True RMS
- Input measurement network can be selectives(1 ϕ 2W/1 ϕ 3W/3 ϕ 3W/3 ϕ 4W)
- CT rate(1~9999)/PT rate(1.0~999.9)can be modified
- Three alarm control function (optional)
- Digit RS-485 interface function (Optional)

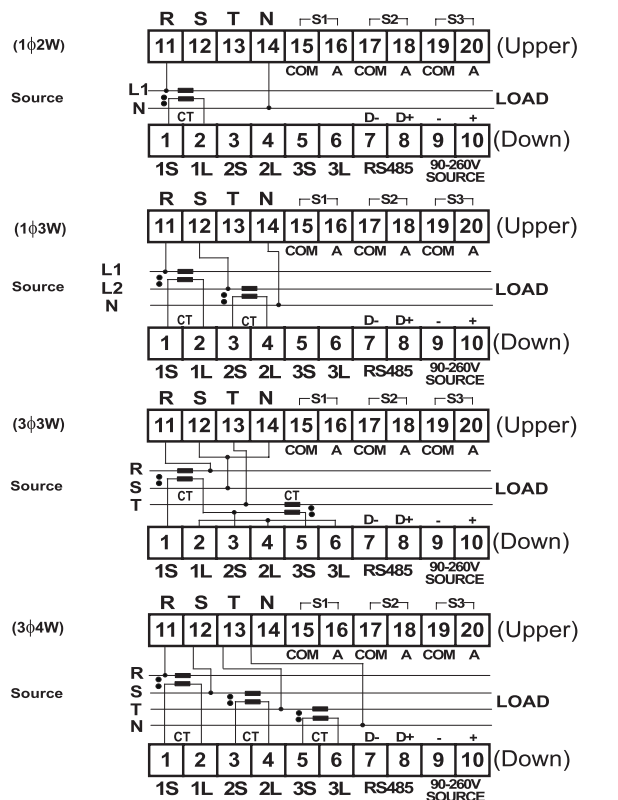
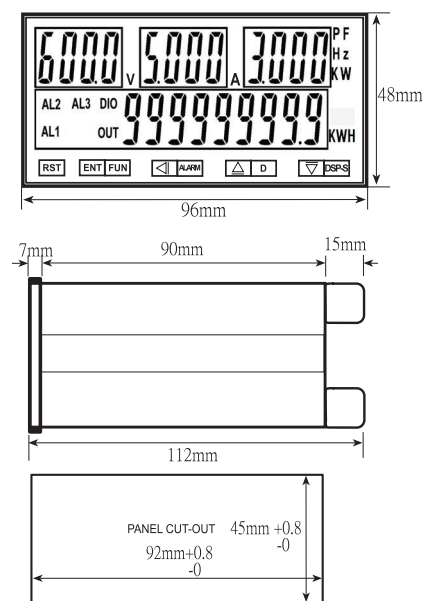
1.MODEL:MMP-3S-

NO	Alarm Output	NO	Alarm+Pulse O/P	NO	RS-485	NO	Aux. Power
N	None	S	Two-Relay+	N	None	A	AC/DC18~60V
R	Three-Relay		•One-Pulse	Y	RS-485	B	AC/DC90~260V
P	Three-Pulse		•When S3=KWH O/P		•Modbus mode		•Less 4VA for AC/DC input

2.SPECIFICATION

- Measuring accuracy : $\pm 0.15\%$ F.S.(V,A,F)
 $\pm 0.5\%$ F.S.(KW,KWH,PF)
- Input burden : $< 0.15\text{VA}$ (Voltage/ Current)
- Maximum input over : Current related input: 3 x rated continuous
10 x rated 30 sec. 25 x rated 3 sec. 50 x rated 1 sec.
Voltage related input: 750V
- Over input indication : "doFL"
- Sampling time : 1 cycles/second(total)
- Measurement range : AC voltage (25~500V)
AC current (0.2~5A)
AC frequency(45.00~65.00Hz)
- Readout/compare range : 0~9999(V,A,KW,PF,Hz)
0~999999999(KWH)
- CT/PT rate : 1~9999 adjustable(CT)
1.0~999.9 adjustable(PT)
- Alarm delay time : 0~ ± 999 second adjustable
- Pulse output type : Standard open-collector(Max.DC60V/120mA)
- Relay contact output : AC 250V-5A, DC 30V-7A
- Pulse output/KWH : 0.001/0.01/0.1/1/10/100/1000 selective
- RS-485 adress : "01"~"FF"(0~255)
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 50ppm/ $^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
- Display : Bight Red LEDs high 10.16mm(0.4")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)
- Surge test : ANSI c37.90a/1974,DIN-IEC 255-4
impulse voltage 4KV(1.2x50us)
- Operating condition : 0~50 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN 55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM



• Note: KWH pulse output=PIN19/20(C,E), Frequency display in existence V_r-phase