

- Accuracy:  $\pm 0.25\%$  F.S.  $\pm 1$  digit
- Measuring AC Watt / Var / Power Factor / Phase Angle
- High brightness 0.8" LED display range: -19999~19999; decimal point selectable
- Display range programmable
- 1~2 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)
- High stability, non-flammable case (PC), high safety
- CE approval

**SPECIFICATION**

- |                             |   |                            |  |
|-----------------------------|---|----------------------------|--|
| ◆ Accuracy:                 | $\pm 0.25\%$ F.S. $\pm 1$ digit                     | ◆ Temperature Coefficient: | 100ppm / °C (0~60°C)   |
| ◆ Display Screen:           | High brightness red LED; 20.3mm(0.8")               | ◆ Operating Temperature:   | 0~60°C   |
| ◆ Sampling Cycle:           | 16 cycles / sec (AVG=1)                             | ◆ Operating Humidity:      | 20~90% RH (non-condensing)                                       |
| ◆ Display Range:            | -19999~19999  | ◆ Storage Temperature:     | -10~70°C   |
| ◆ Zero Adjustment:          | -19999~19999  | ◆ Storage Humidity:        | 20~90% RH (non-condensing)                                       |
| ◆ Over Range Indication:    | doFL / ioFL or -doFL / -ioFL                        | ◆ Power Supply:            | AC/DC 100~240V; DC 22~60V  |
| ◆ Polarity Indication:      | Automatic with "-" indication                       | ◆ Power Consumption:       | 8.5VA (all functions output)                                     |
| ◆ Parameters Setting:       | Push buttons  | ◆ Surge Test:              | 2KVac / 1min (Input / Power)                                     |
| ◆ Back Up Memory:           | EEPROM  | ◆ Input Impedance:         | Voltage: $>2V$ for $20K\Omega / V$ ; $\leq 2V$ for $>200M\Omega$ |
| ◆ Alarm Action:             | " $\geq$ (Hi) on" or " $<$ (Lo) on"                 | ◆ Safety:                  | Current: $\geq 0.2A$ at 100mV; $< 0.2A$ at 1V                    |
| ◆ Alarm Hysteresis Range:   | 0~999   |                            | IEC 61000-4-2  |
| ◆ Alarm Run Delay Time:     | 0~99 sec  |                            | IEC 61000-4-3  |
| ◆ Relay Contact:            | AC 277V / 7A; DC 30V / 7A                           |                            | IEC 61000-4-4  |
| ◆ Analog Output Resolution: | 15 bit  |                            | IEC 61000-4-5  |
| ◆ Output Response Time:     | $< 250$ msec (0~90%)                                |                            | IEC 61000-4-6  |
| ◆ Output Capability:        | Voltage Output: $< 20mA$<br>Current Output: $< 10V$ |                            | IEC 61000-4-8  |
| ◆ Communication:            | RS-485 Modbus RTU mode                              | ◆ Dimensions:              | IEC 61000-4-11   |
| ◆ Baud Rate:                | 38400 / 19200 / 9600 / 4800 bps                     | ◆ Weight:                  | 96(W)*48(H)*160(D) mm  |
| ◆ Parity Check:             | n.8.2. / n.8.1. / odd / even                        |                            | About 500 g  |

**ORDER INFORMATION**

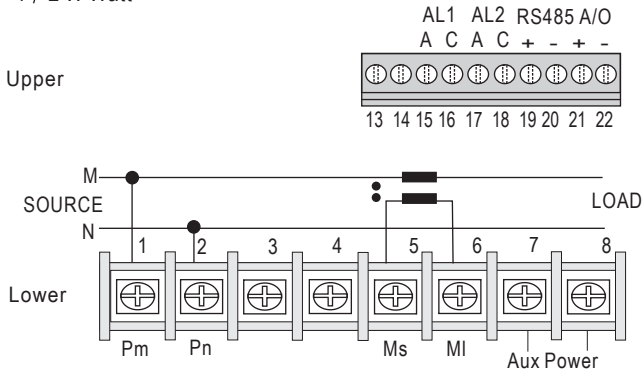
DC5P - [Code 1] - [Code 2] [Code 3] [Code 4] [Code 5] - [Code 6] - [Code 7] [Code 8] [Code 9]

Code 1	Input Type	Code 2	Connection	Code 3	Input Volt	Code 4	Input Amp	Code 5	Frequency	Code 6	Aux. Power	Code 7	Alarm Output	Code 8	Analog Output	Code 9	RS-485
W	Watt	1	1 $\phi$ 2W	1	0~120V	1	0~1A	4	400Hz	A	AC/DC 100~240V	N	None	N	None	N	None
V	Var	2	1 $\phi$ 3W	2	0~240V	2	0~5A	5	50Hz	B	DC 12V	R1	1 Relay	A	4~20mA	Y	Yes
C	Power Factor	3	3 $\phi$ 3W	3	0~480V	0	Option	6	60Hz	C	DC 22~60V	R2	2 Relays	V	0~10V		
A	Phase Angle	4	3 $\phi$ 4W	0	Option			0	Option	D	DC 30V~90V	O1	1 Open Collect	O	Option		
												O2	2 Open Collect				

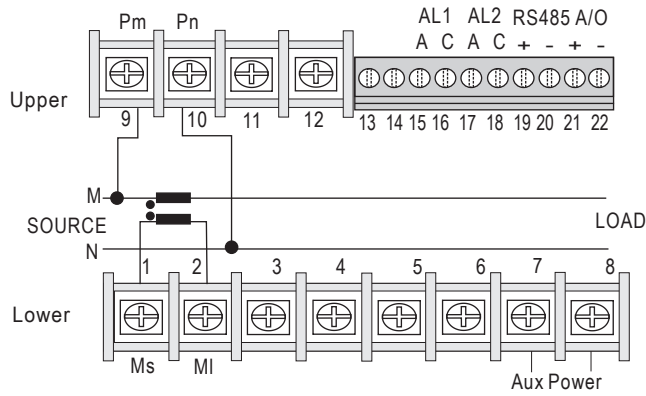
# WIRING CONNECTION

Watt / Var:

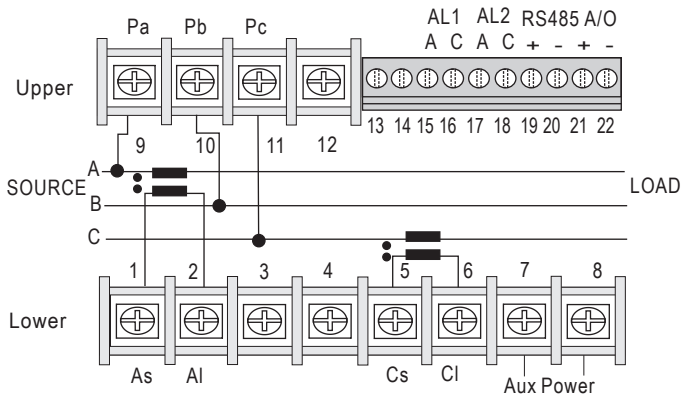
- 1 $\phi$ 2 W Watt



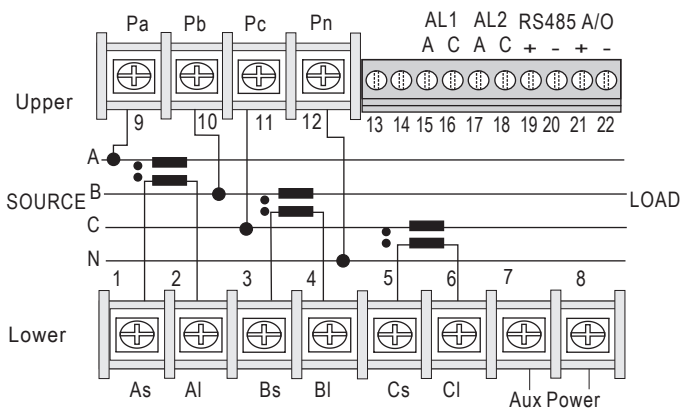
- 1 $\phi$ 2 W Var



- 3 $\phi$ 3 W (1 $\phi$ 3W) Watt / Var

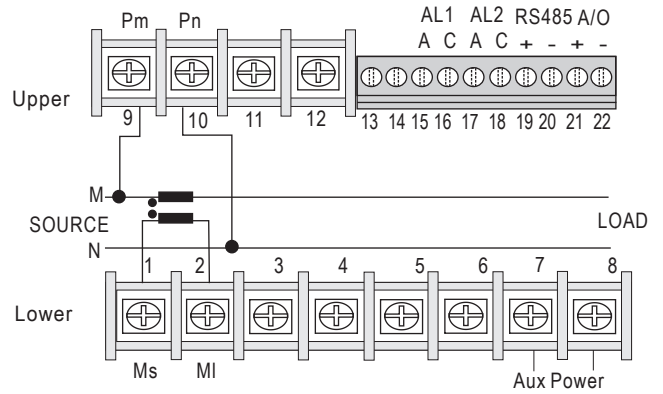


- 3 $\phi$ 4 W Watt / Var

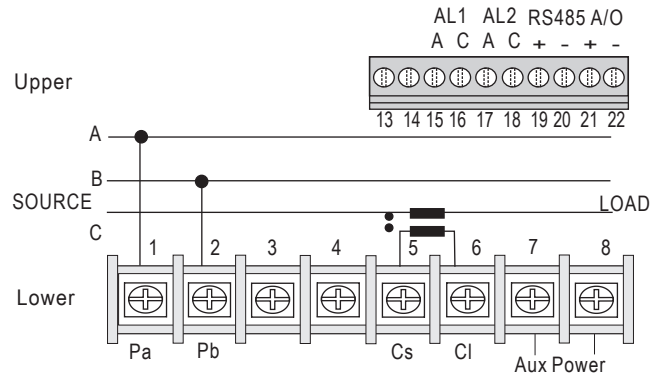


Power Factor / Phase Angle:

- 1 $\phi$ 2 W Power Factor / Phase Angle



- 3 $\phi$ 3 W (1 $\phi$ 3W) Power Factor / Phase Angle



- 3 $\phi$ 4 W Power Factor / Phase Angle

