

- Pulse output: DC0~350V, 130mA max.
- Dual aux. power AC/DC 85~265V, 45~70Hz
- Voltage output: Max. load current 10mA.
- Current output: Max. load impedance 500Ω
- Insulation AC1600V/ Min, input/ output/ power/ case
- ABS housing, suit for Din rail mount; easily installation(UL94 ClassV-0).

**SPECIFICATION**

- ◆ Accuracy 0.5%RO at 23°C±3°C.
- ◆ Input Range Normal Voltage 110V,Effective Range 55V~150V.Normal Voltage 220V,Effective Range AC 160V~300V. Normal Current 5A,Effective Range 0 ~ 7.5AAC.Normal Current 1A,Effective Range 0 ~ 1.5AAC.
- ◆ Input Burden ≤0.1VA/60Hz;Current 0.3VA/60Hz.
- ◆ Frequency 45 ~ 70Hz.
- ◆ Input Current Over Normal Current 5A AC,Current Over 15A Continuous;50A 10sec/hour,400A 0.5sec/hour.
- ◆ Input Voltage Over Normal Voltage AC 110V,Voltage Over 500V Continuous;1200V 10sec/hour,Self Power AC 150V Maximum.
- ◆ Output Load DC Current Mode: ≤500Ω as 20 mA; DC Voltage Mode : 10mA Maximum.Watthour output is. accumulated calculation(Pulse output).Pick Phtocouple principle.Using range:DC5 ~ 30V,5 ~ 100mA.
- ◆ Output Protection Without Damage For Output Open Or Short Circuit.Resist Surge,EMI,RFI.
- ◆ Dielectric Strength AC 2600V/ Min, between Input / Output / Power / Case.
- ◆ Impulse 5KV 1.2X50 uS,ANSI c37.90a/1983.DIN IEC 255 - 4,IEC 688-1992.
- ◆ Common Mode Rejection ≧120db, 50/60Hz.
- ◆ Stability ≤0.2% Drift Per Year.
- ◆ Adjustments SPAN and ZERO ±10%.
- ◆ Response Time ≤400mS,0 ~ 99%.
- ◆ Ripple(p-p) 0.5% P-P or Option.
- ◆ Magnetic Effect DIN - IEE688 ≤0.01% Change 10"Center 100A-Turn.
- ◆ Temperature Coefficient ≧80ppm / °C From 0 ~ 60°C ; ≧50ppm/23°C ±3°C.
- ◆ Operating Condition -10°C ~ +65°C 20 ~ 90% RH Non Condensed.
- ◆ Storage Condition -20°C ~ +75°C 20 ~ 90% RH Non Condensed.
- ◆ Power Supply AC 110/220V ± 15% 50/60Hz. DC 24V and 48V ±15%.
- ◆ Self Power 110V effective range: 85 ~ 150V.The working power comes from V1 voltage.
- ◆ Housing Material ABS Plastic, Self-Extinguishing to UL Subject 94 Class V-O.
- ◆ Case DIN Rail.

**ORDER INFORMATION**

- DCWWH - Code1 - Code2 - Code3 - Code4 - Code5 - Code6 **Watt/Watthour Uni--Direction**
- DCWWH2 - Code1 - Code2 - Code3 - Code4 - Code5 - Code6 **Watt/Watthour Bi--Direction**
- DCQQH - Code1 - Code2 - Code3 - Code4 - Code5 - Code6 **Var/Varhour (+L , -C)**

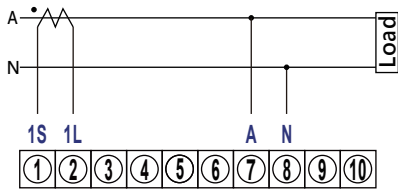
Code1	I/P Range	Code2	I/P Voltage	Code3	I/P Current	Code4	Analog O/P	Code5	Pulse O/P	Code6	Aux. Power
1	1P2W	1	AC50~300V	1	AC0~1A	1	0~10mA	1	1WH/ 1 Pulse	2	AC/DC85~265V
2	1P3W	3	AC300~600V	2	AC0~5A	2	0~20mA	2	1WH/ 10 Pulse		45~70Hz
3	3P3W-2CT	0	Option	3	AC0~10A	3	4~20mA	0	Option	3	DC20~28V
4	3P4W			0	Option	4	0~5V			4	DC48V
0	Option					5	1~5V			N	Self Power
						6	0~10V			0	Option
						0	Option				

1P3W & 3P4W Voltage : Line-Neutral.

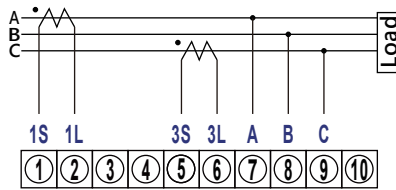
DC Power & AC/DC Power connect to : 19+,20-

## WIRING CONNECTION

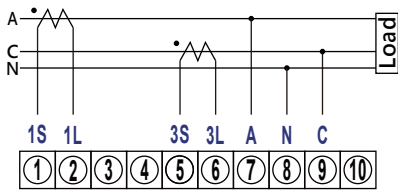
1 Phase 2 Wire



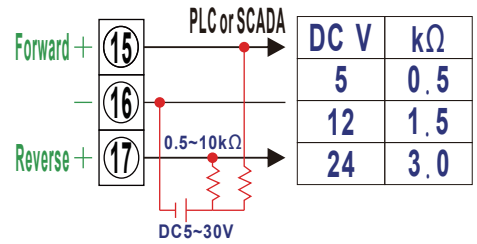
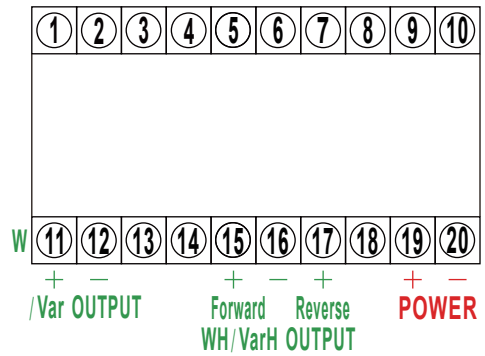
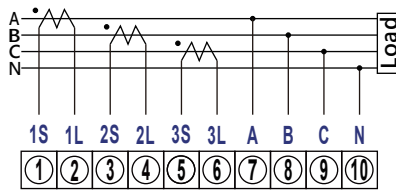
3 Phase 3 Wire



1 Phase 3 Wire



3 Phase 4 Wire



## CALIBRATION WATTS/ VARS of RATED OUTPUT

Input	1P2W	1P3W	3P3W	3P4W
	W, Var	W, Var	W, Var	W, Var
110V;1A	100	200	200	300
110V;5A	500	1000	1000	1500
220V;1A	200	400	400	600
220V;5A	1000	2000	2000	3000
440V;1A	400	800	800	1200
440V;5A	2000	4000	4000	6000