

WATT/VAR/POWER FACTOR TRANSDUCER

DCW
DCQ
DCPF

FEATURES

- Applicable for DIN-IEC 688
- Dual aux. power AC/DC 85~265V
- Rating voltage AC 110V, range: AC 55~150V
- Rating voltage AC 220V, range: AC 160~300V
- Insulation AC 2KV / Min, input/output/power/case
- ABS housing, suit for Din rail mount or wall mount; easily installation



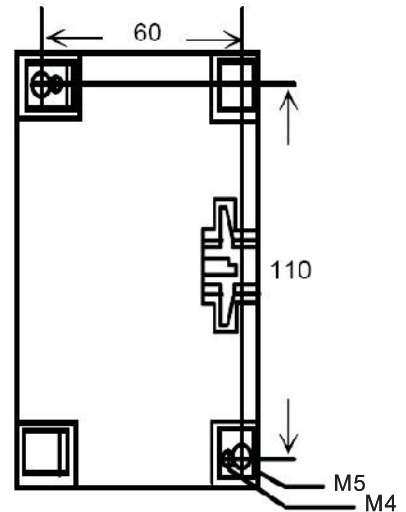
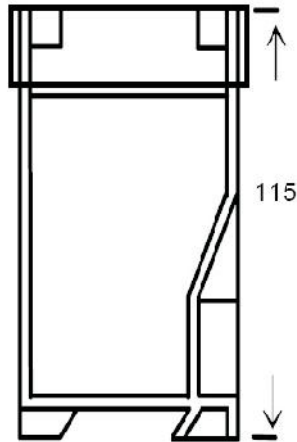
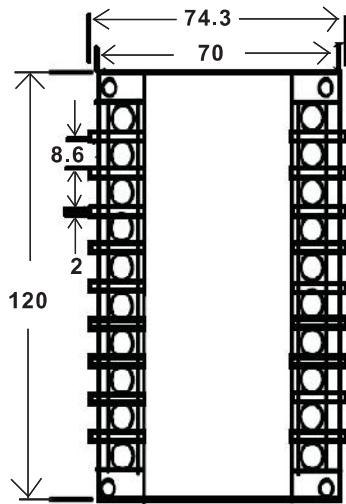
ORDERING INFORMATION: DC [Code1] - [Code2] - [Code3] - [Code4] - [Code5] - [Code6] - [Code7] Signal way DC [Code1] 2 - [Code2] - [Code3] - [Code4] - [Code5] - [Code6] - [Code7] Two way

Code 1	Input Type	Code 2	System	Code 3	Voltage	Code 4	Current	Code 5	Frequency	Code 6	Output	Code 7	Aux. Power
W	Watt	A	1 ϕ 2W	A	AC 110V(50~150V)	A	0~1A	A	50Hz	A	0~10mA	A	AC 110/220V
Q	Var	B	3 ϕ 3W	B	AC 220V(150~300V)	B	0~5A	B	60Hz	B	0~20mA	B	AC 220V
PF	Power Factor	C	3 ϕ 4W	O	Option	O	Option	O	Option	C	4~20mA	C	DC 22~72V
		O	Option							D	0~5V	F	AC/DC 85~265V
										E	1~5V	N	Self-Powered
										F	0~10V	O	Option
										O	Option		

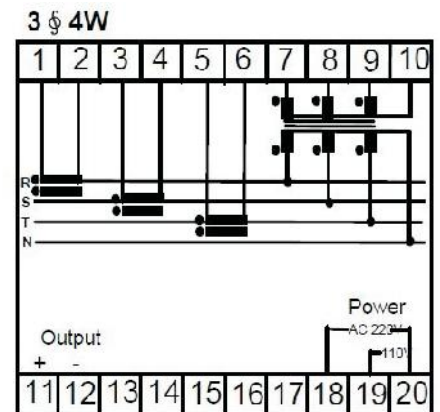
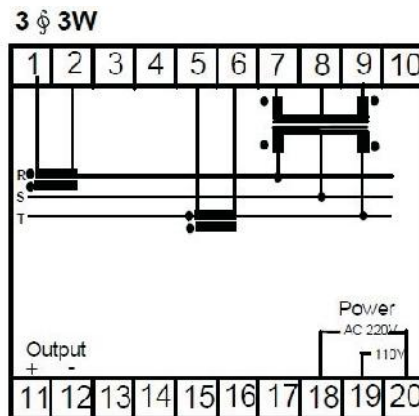
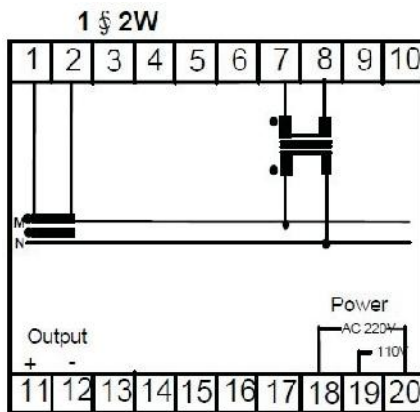
SPECIFICATION

- ◆ Accuracy: $\pm 0.5\%$ RO at 23°C $\pm 25^\circ\text{C}$
- ◆ Measuring Range: Input 5A, range: AC0~7.5A; Input 1A, range AC0~1.5A.
Input 110V, range 55~150V; Input 220V, range 160~300V.
- ◆ Input Load: Voltage 0.1VA/component, Current 0.3VA/component, at 60Hz
- ◆ Input Frequency: 50Hz $\pm 5\text{Hz}$, 60Hz $\pm 5\text{Hz}$.
- ◆ Input Overload: Rating is AC5A, over current is 15A, 50A 10set/hour; 400A 0.5sec/hour
Rating is AC 110V, over voltage is 500V, 1200V 10sec/hour; Self Powered: 150V AC Max.
Current: >500 Ω at 20mA, Voltage: DC 10mA Maximum.
- ◆ Output Capability: Against Surge, EMI, RFI.
- ◆ Output Protection: AC 2KV / Min, input/output/power/case
- ◆ Insulation: 5KV 1.2x50uS, ANSI C37.90a/1983.DIN, IEC255-4, IEC 688-1992
- ◆ Surget Test: 2.5KV-0.25mS/1MHz IEC 801-3(Ring WAVE)
- ◆ Rejection Ratio: $\cong 120\text{db}$, 50/60Hz
- ◆ Long Time Stability: $\cong 0.2\%$
- ◆ Adjustment: SPAN & ZERO $\pm 10\%$
- ◆ Response Time: $\cong 400\text{mS}$
- ◆ Output Ripple: 0~99% & 0.5% P-P or Option
- ◆ Magnetic Field Effection: DIN-ICE688 $\cong 0.005\%$
- ◆ Temp. Coefficient: $\cong 100\text{ppm}/^\circ\text{C}$ From 0~60°C; $\cong 50\text{ppm}/23^\circ\text{C} \pm 3$
- ◆ Operating Temperature: -10°C ~65°C 20~95% RH (non-condensing)
- ◆ Storage Temperature: -40°C ~75°C 20~90% RH (non-condensing)
- ◆ Power Variation: AC or DC $\pm 20\%$, 50/60Hz
- ◆ Self Powered: Output 0~XmA, range: 5~150%; 85~150V, the energy is from V1 voltage
- ◆ Power Effection: $\cong 0.01\%V$
- ◆ Housing Material: Flame-Proof ABS housing, UL94 CLASS V-O..

■ DIMENSION



■ WIRING CONNECTION



DC AUX. POWER: 19+;20-

STANDARD OUTPUT CALIBRATION

Phase / Signal		1 ϕ 2W	3 ϕ 3W	3 ϕ 4W
		W	W	W
100V	1A	100	200	300
	5A	500	1000	1500
200V	1A	200	400	600
	5A	1000	2000	3000
380V	1A	400	800	1200
	5A	2000	4000	6000

*V:Line to neutral