DCbox 3 PHASE AC MULTIFUNCTION POWER METER APM

- Measuring power parameters: V, A, W, Q (Var), S (VA), PF, Hz, KWH, KQH, DM (Demand)
- 1P2W / 1P3W / 3P3W / 3P4W system programmable
- Display range: -9999~9999; decimal point selectable
- 2 Alarms output or 2 Digital input / 2 Pulses output for forward KWH & reverse KWH
- RS-485 communication optional (The above option can be exist together)
- DIN case: 96 x 96 mm
- High stability, non-flammable case (PC), high safety

CE

SPECIFICATION

♦ Accuracy:	±0.25% for VL-N: V1, V2, V3, VE ±0.25% for VL-L: V12, V23, V13, VE ±0.25% for A: A1, A2, A3, AE ±0.5% for W (Watt): W1, W2, W3, ΣW ±0.5% for Q (Var): Q1, Q2, Q3, ΣQ ±0.5% for S (VA): S1, S2, S3, ΣS ±0.5% for PF: PF1, PF2, PF3, ΣPF ±0.1% for Hz ±0.5% for KWH ±0.5% for KQH ±0.5% for DM (Demand)
♦ Measuring Range:	1P2W, 1P3W, 3P3W, 3P4W systems Voltage: 0~600Vac Current: 0~5Aac Frequency: 50/60 Hz
♦ Display Screen:	High brightness LED; 14.22mm (0.56") High brightness LED; 10.2mm (0.4")
♦ Sampling Cycle:	1 cycle / sec (AVG=1)
♦ Display Range:	-9999~9999 0~999999999 for KWH & KQH
♦ Parameters Setting:	Push buttons
♦ Back Up Memory:	EEPROM
♦ Alarm Action:	"≧(Hi) on" or "< (Lo) on"
♦ Alarm Hysteresis Range:	0~99
♦ Alarm Run Delay Time:	0~99 sec

♦ Relay Contact:	AC 277V / 7A; DC 30V / 7A
♦ Communication:	RS-485 Modbus RTU mode
♦ Baud Rate:	19200 / 9600 / 4800 / 2400 bps
♦ Parity Check:	n.8.2. / n.8.1. / odd / even
♦ Temperature Coefficient:	100ppm / ℃ (0~60℃)
♦ Operating Temperature:	0~60℃
♦ Operating Humidity:	20~90% RH (non-condensing)
♦ Storage Temperature:	-10~70℃
♦ Storage Humidity:	20~90% RH (non-condensing)
♦ Power Supply:	AC/DC 100~240V; DC 22~60V
♦ Power Consumption:	10VA (all functions output)
♦ Surge Test:	1KVac / 1min (Input / Power) 3KVac / 1min (Terminals / Case)
♦ Insulation Resistance:	>100MΩ with 500Vdc
♦ Input Impendence:	Voltage: >2V for 20KΩ / V; ≦2V for >200MΩ Current: ≧0.2A at 100mV; <0.2A at 1V
♦ Safety:	IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-11
♦ Dimensions:	96(W)*96(H)*129(D) mm
♦ Weight:	About 850 g

ORDER INFORMATION

APM - [Code 1] [Code 2] - [Code 3] - [Code 4] [Code 5] [Code 6]

Code 1	Input Volt
1	0~300V
2	0~600V
O	Option

Code 2	Input Amp
1	0~1A
2	0~5A
O	Option

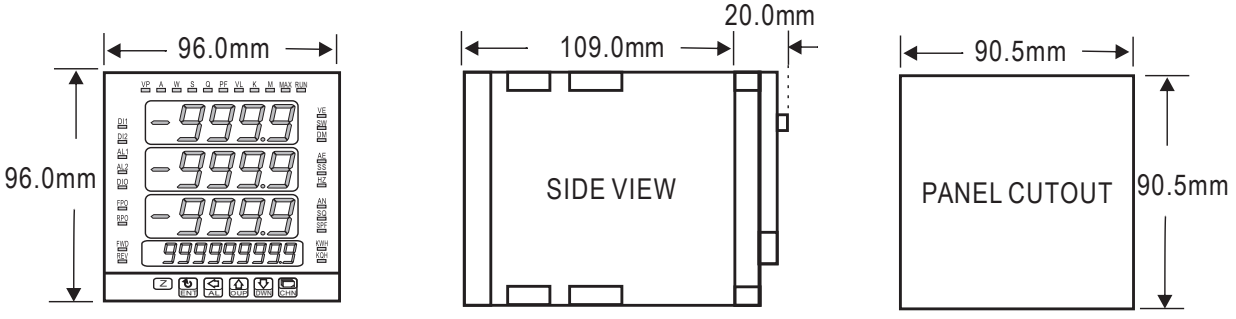
Code 3	Aux. Power
A	AC/DC 100~240V
B	DC 22~60V
C	DC 30~90V

Code 4	Alarm Output
N	None
D2	2 Digital Input
R2	2 Relays

Code 5	Pulse Output
N	None
Y	Yes

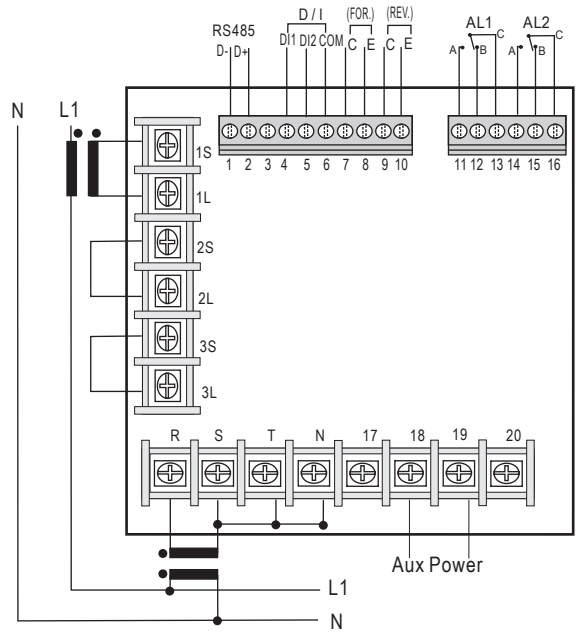
Code 6	RS-485
N	None
Y	Yes

DIMENSION

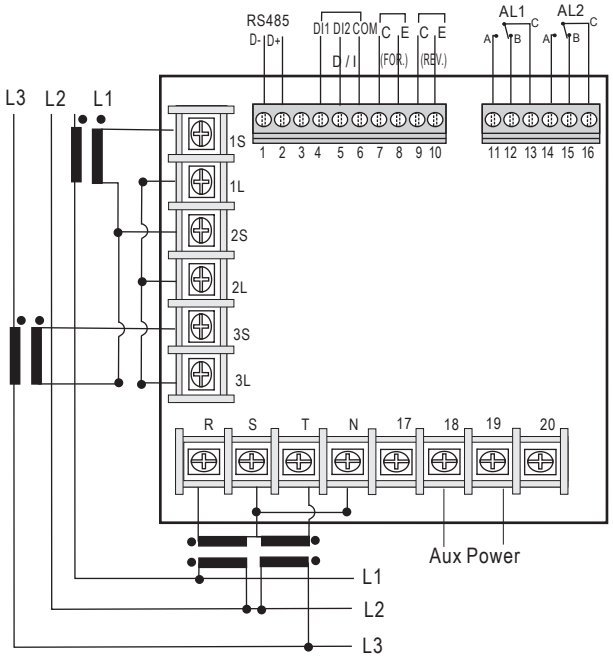


WIRING CONNECTION

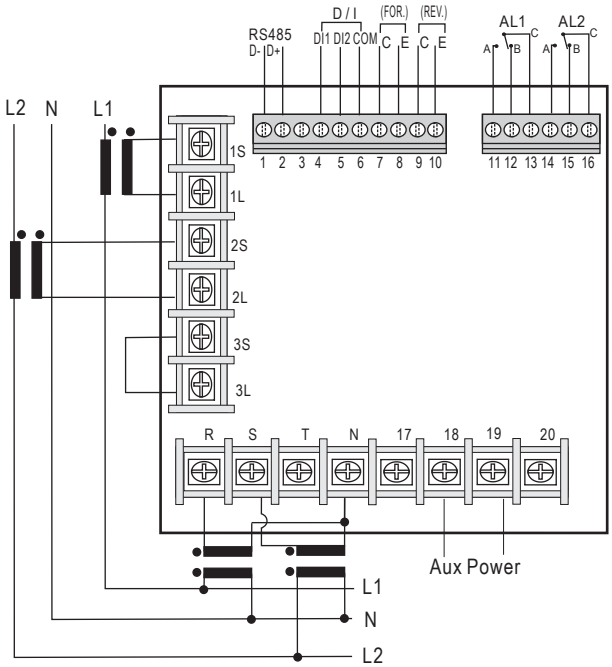
● 1∅2 W



● 3∅3 W



● 1∅3 W



● 3∅4 W