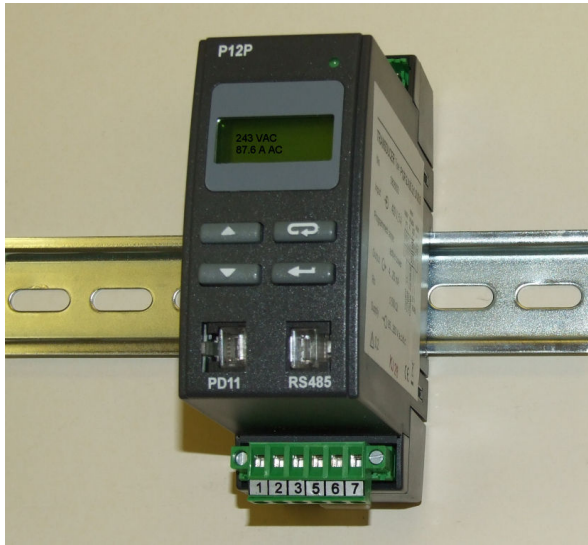
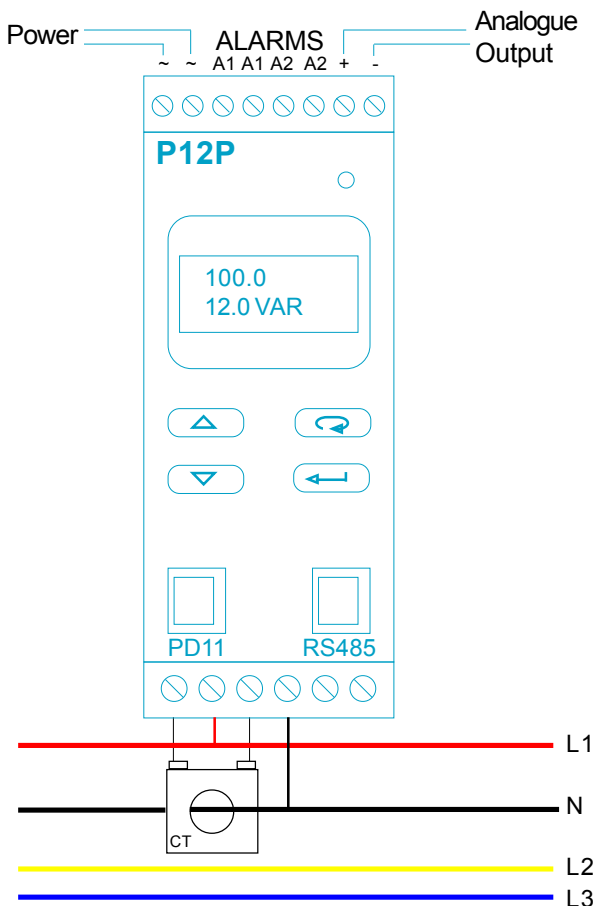


Power measurement module - DIN rail model P12P-2



- Single phase power monitor
- Economical and easy to use
- Wide range of useful measurements
- Alarm relay outputs
- Analogue output
- RS485 modbus data output
- Password protection

A detailed operating manual for each model is available at <http://london-electronics.com/>



The P12P-2 is a versatile single phase monitor which can measure, display, retransmit, create alarms and send data corresponding to any of these measurements:-

Measurement type	Accuracy
RMS AC Voltage	0.2%
RMS AC Current	0.2%
Frequency	0.1%
Active power	0.5%
Active energy	0.5%
Reactive power	0.5%
Reactive energy	0.5%
Apparent power	0.5%
Apparent energy	0.5%
Phase angle	1%
Power factor cos phi	1%
Active to reactive power ratio	1%

Overload

Short term <1 sec Voltage - 1000, Current = 10x
 Long term 120% rated range V and I

Analogue Output

Isolated, with resolution of 0.025% of range
 4-20mA into a load from 0 to 500 Ohms
 0-5mA into a load resistance of 0 to 2000 Ohms
 0-10V into a load resistance higher than 500 Ohms

The analogue output port should be operated within 50V of ground.

Relay Output

2 relays, volt-free contacts
 Voltage rating 250VAC or 150V DC max.
 Current rating 5A max at 30V DC max or 250VAC max
 Alarm threshold programmable
 Alarm type = HI, LO or band with adjustable hysteresis
 Alarm annunciation on LDC display

Data output

RS485 modbus
 Baud rate 2400, 4800 or 9600
 Response to query 650mS
 ASCII formats 8N1, 7E1, 701
 RTU formats 8N2, 8E1, 801, 8N1

The analogue output port should be operated within 50V of ground.

Dimensions

Width 45mm
 Height 120mm
 Forward projection 100mm
 Weight 300g
 Sealing IP40
 Mounting 35mm DIN rail

Power

Voltage 85-253 VAC
 Consumption 5VA
 Warmup time 15 minutes

Ordering Code

P12P-2 = Basic unit
 see http://www.london-electronics.com/pl_p12p.htm for detailed ordering guide and pricing