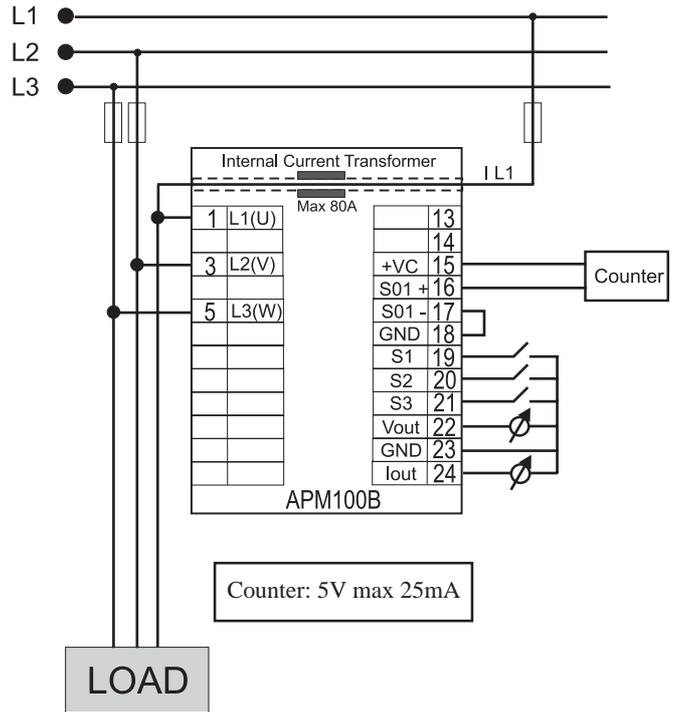


Typical connection between APM100B and PLC



Typical connection between APM100B and counter

Measurement range

APM100B may be connected to mains voltages from 3x360Vac min. to 3x500Vac max. and currents up to 80A. Example:

Nominal voltage : 3x460Vac
kW range set : 30kW
Max current (cosφ=1) : 37.6A

20mA (10V) on the analog output is reached at nominal power (Pmax). In the example above 20mA (10V) is reached at 30 kW. If measurement is done on a lower voltage - e.g. 3x400Vac - 20mA (10V) is still reached at 30 kW but at a higher current (43.3A). If the voltage is e.g. 3x400Vac and cosφ=0.5, 20mA (10V) is reached at a current of 86.6A.

kWh pulse rate

		Range kW			
		3	10	30	100
S1 Off	pulses/kWh		10		1
S1 On	pulses/kWh	100		10	

Fig.1

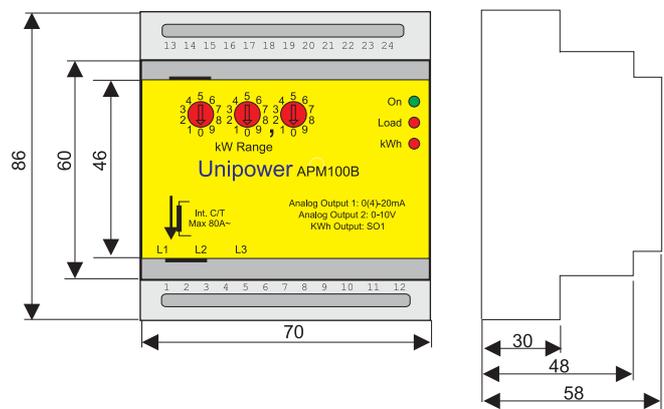
The table above shows measurement ranges which result in kWh pulse rates consistent with counters without scaling. For other measurement ranges the pulses must be scaled in a PLC or counter.

Digital Inputs

S1	100 pulses/h/fs	Off
	300 pulses/h/fs	On
S2	Filter x 1	Off
	Filter x 16	On
S3	4-20mA (2-10V)	Off
	0-20mA (0-10V)	On

Fig.2

Dimensions



Dimensions in mm

WENtechnology

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