



### Product Overview

AX-KWH-Ci1 meter is an accurate and cost effective solution for measurement and display of kWh and VAR. Its easy programming, mounting and user friendly navigation makes the Ci1 the ideal choice for customers who require reliable energy measurement. The unit is mounted in a DIN 96 panel mounted enclosure, has a backlit LCD display and user programmable CT ratios. The unit has a series of plug modules to give either 1 or 2 pulse o/p, or a RS485 communication module that can be programmed internally to respond either to Modbus-RTU or Johnson Controls.

### Features

- DIN 96 enclosure
- Backlit LCD screen
- Bezel depth 6.1mm
- Plug-in output modules
- Programmable CT ratio
- True RMS measurement
- User programmable system configuration
- Exceptionally cost effective

### Product Specifications

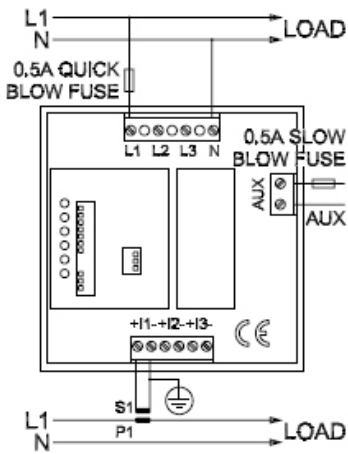
<b>Nominal Input Voltage Range:</b>	100 to 289Vac L-N (175 to 500Vac L-L) 45-66Hz
<b>Maximum Voltage Overload:</b>	120% of nominal
<b>Maximum Short Duration Voltage:</b>	2 x range maximum
<b>Nominal Burden:</b>	< 0.2VA per phase
<b>Nominal Input Current:</b>	5A ac rms
<b>Max Overload Current:</b>	6A
<b>Maximum Short Duration Current:</b>	50A
<b>Auxiliary Operating Range:</b>	110 to 400 Vac nominal +/- 10% or 120 to 350Vdc +/- 20%
<b>Accuracy:</b>	Active energy kWh Class 1 (IEC 62053-21)
	Reactive energy kVArh +/- 1% of range
<b>Output Modules Optional:</b>	Pulsed output solid state relays 50mA @250Vac (2 max) RS-485 2-wire half duplex (or Modbus RTU or Johnson Controls) baud rate 2400, 4800, 9600, 19200, 38400
<b>Enclosure:</b>	DIN 96 panel mount
<b>Dimensions:</b>	96 x 96 x 64.1mm (depth behind panel with module 77.5mm depth)
<b>Cutout:</b>	92 x 92 mm
<b>Operating Temperature Range:</b>	-10 to + 55 deg C (0-90% RH non-condensing)
<b>Front Protection Rating:</b>	IP52 (case rating IP 30)
<b>Weight:</b>	300gms
<b>Conformity:</b>	IEC 61326, IEC 61010-1, IEC 62053-21
<b>Country of Origin:</b>	United Kingdom

### Order Codes -

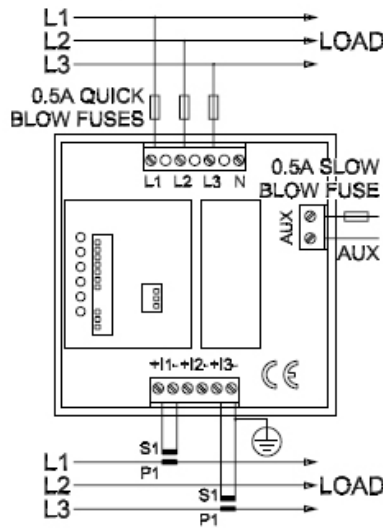
AX-KWH-Ci1	Ci1 Panel mounted digital metering system
-CI-PUL-01	Pulsed output
-CI-MOD-01	Modbus RS 485 output
-3-G365-02	IP65 protective cover
-3-C345-01	IP54 panel gasket

**Wiring Diagrams -**

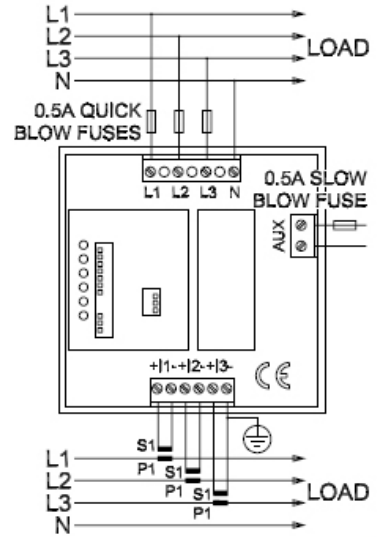
Single Phase, 2 wire



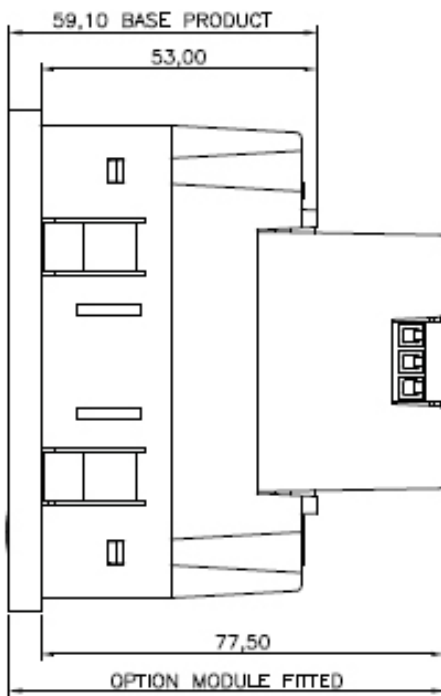
3 Phase, 3 wire



3 Phase, 4 wire



**Dimensions**



**Parameters**

Button	Screen	Parameters
CT	1	CT Ratio
Wh	2	IMPORT Wh
	3	EXPORT Wh
Wh	4	IMPORT VARh
	5	EXPORT VARh
TEST	6	Phase sequence diagnostic