



Product Overview

AX-KWH-C13 meter is an accurate and cost effective solution for measurement and display of all major electrical and power quality parameters. Its easy programming, mounting and user friendly navigation makes the C13 dms 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 C13 measures 17 electrical parameters including total harmonic distortion (THD) measurement up to the 31st harmonic

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

Nominal Input Voltage Range:	100 to 289Vac L-N (175 to 500Vac L-L)
Maximum Voltage Overload:	120% of nominal
Maximum Short Duration Voltage:	2 x range maximum
Nominal Burden:	< 0.2VA per phase
Nominal Input Current:	5AAC rms
Max Overload Current:	6A
Maximum Short Duration Current:	50A
Auxiliary Operating Range:	110 to 400 Vac nominal +/- 10% or 120 to 350Vdc +/- 20%
Accuracy:	
Voltage	V 0.5%
Current	A 0.5%
Frequency	Hz 0.1Hz
Power factor	PF 1% of unity
Active power	W +/- 1% of range
Reactive power	VAr +/- 1% of range
Apparant power	VA +/- 1% of range
Active energy	kWh Class 1 (IEC 62053-21)
Reactive energy	kVArh +/- 1% of range
THD	1% up to 31st Harmonic
Response time	1 sec
Output Modules Optional:	Pulsed output relays 50mA @ 250Vac (2) Modbus 2- wire half duplex baud rate 2400, 4800, 9600, 19200, 38400
Enclosure:	DIN 96 panel mount
Dimensions:	96x 96x 64.1mm
Cutout:	92x 92mm
Operating Temperature Range:	-10 to + 55 deg C (0-90% RH non-condensing)
Front Protection Rating:	IP52 (case rating IP 30)
Weight:	300gms
Conformity:	IEC 61326, IEC 61010-1, IEC 62053-21
Country of Origin:	United Kingdom

AX-KWH-C13

Panel Mounted Digital kWh Meter



Order Codes -

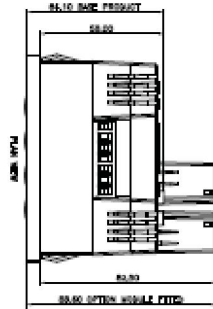
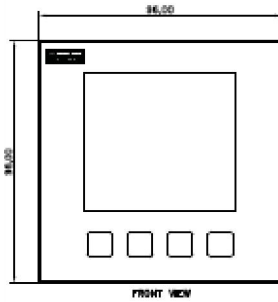
AX-KWH-C13

- CI-PUL-01
- CI-MOD-01
- 3-G365-02
- 3-C345-01

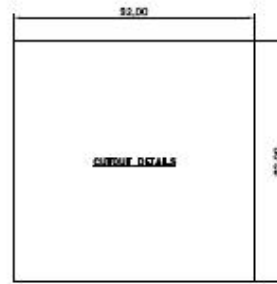
C13 Panel mounted digital metering system

- Pulsed output
- Modbus RS 485 output
- IP65 protective cover
- IP54 panel gasket

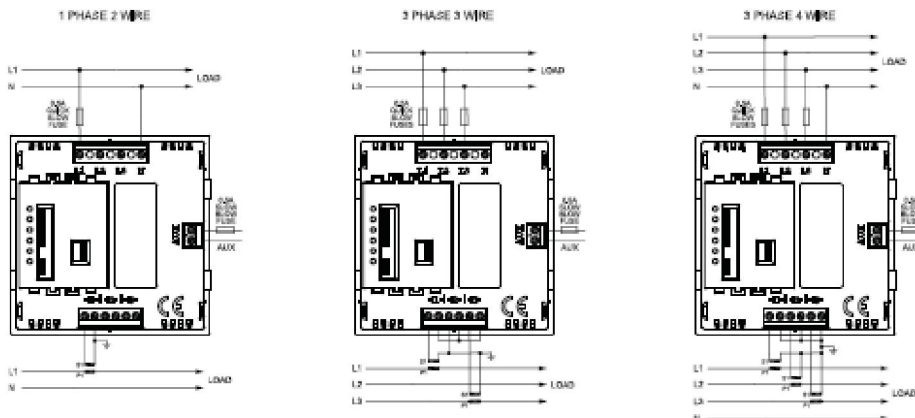
Dimensions



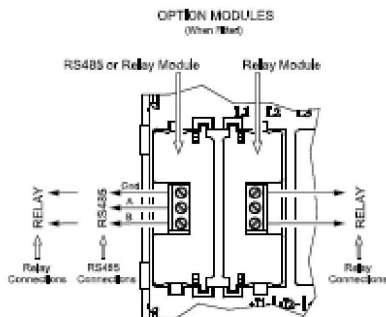
Panel Cutout



Wiring Diagrams -



Wiring Diagrams - Optional Modules



Parameters -

Button	Screen	Parameters
V/Hz	1	Volts L1 - N Volts L2 - N Volts L3 - N
	2	Volts L1 - L2 Volts L2 - L3 Volts L3 - L1
	3	Frequency
	4	Volts L1 - N THD% Volts L2 - N THD% Volts L3 - N THD%
	5	Volts L1 - L2 THD% Volts L2 - L3 THD% Volts L3 - L1 THD%
A	1	Current L1 Current L2 Current L3
	2	Neutral Current
	3	L1 Current Max Demand L2 Current Max Demand L3 Current Max Demand
	4	Neutral Current Max Demand
	5	Current L1 THD% Current L2 THD% Current L3 THD%
P/PF	1	kW kVAr kVA
	2	kW Max Demand
	3	Power Factor
E	1	kWh
	2	kVArh