EMS Invirotel Energy Management
Smart About Energy

D120KP

General Overview

D120KP – a compact unit with display and keypad that communicates over the power network with its associated electricity meter using tow way Power Line Communication (PLC) . Data sent by the meter to and from the concentrator is also displayed on the Display unit . It can be used for prepayment and credit applications

D120KP- is a plug-in or wall mounted unit, can be placed in any convenient location within customer's premises. The Display Unit allows separation between the electricity meter and the customer, making the electricity meter inaccessible to the customer wh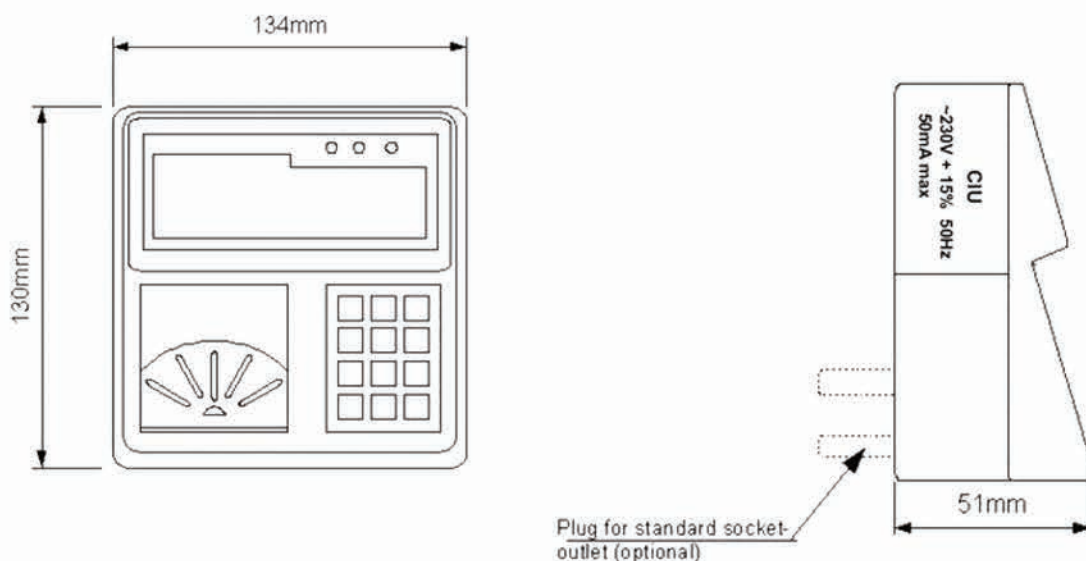ilst allowing the customer to receive data regarding his energy consumption thru the separate display. In this way, the customer receives the maximum information while unable to tamper the meter readings.

Features:

- Real Two-way Power Line Communication.
- 2 Line 16 character large LCD display.
- 256 chrarcter general or individual messaging on bbottom line of LCD display.
- Prepayment STS operation, simple easy TOU (Time OF Use).Keypad entry for
- prepaid energy STS Tokens.
- Display Its associated meter information.
- shows broadcast and individual messages.
- Three coloured LEDs for active rate indication.
- Buzzer to draw custormers attention when energy balance is low.
- Battery operated when energy credit exhausts and the meter disconnect to power to the house, to allow the customer to introduce new tokens.
- Displays Water/Gas reading (if this option is used) front panel pocket for keeping STS reciepts.

134mm

130mm

CIU
~230V + 15% 50Hz
50mA max

51mm

Plug for standard socket-outlet (optional)

D120KP Dimensions

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Technical Specifications

General	
Nominal Voltage (Un)	230V
Supply Voltage range	80% - 115% Un
Nominal Frequency (fn)	50Hz
Environmental	
Temperature range	
operation	-10ºC to 55ºC
storage	-25ºC to 70ºC
Insulation Strength	
Protective Class acc. to IEC62052-11	Class I I
Display	
Type	LCD with LED back light
Format	16 Characters x 2 Lines
Character size	9.5mm x 5.2 mm
LED Indicators	
Peak tariff	Red
Standard tariff	Yellow
Off Peak tariff	Green
Communication Interfaces	
PLC Frequency range	A-band 60-90 kHz
PLC Method	Spread FSK
Keypad	
Type	3 x 4 Key, Numeric Keypad
Weight/External Dimensions	
Weight	315g
Width	134 mm
Height	130 mm
Depth	51 mm

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