

**D120**











General Overview

The Portable Display Unit – D120 – is a plug-in or wall mounted unit that can be placed in any convenient location within customer's premises.









This unit has two-way communication with the electricity meter, receiving and transmitting data over the power lines using Power Line Communication (PLC).

The Portable Display Unit allows separation between the electricity meter and the customer, making the electricity meter inaccessible to the customer whilst 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.






The Portable Display Unit displays the information related to the consumer, such as:

-  Total Consumption Reading.
-  Tariff Consumption Reading.
-  Active Tariff & Expiration Time.
-  Power Demand.
-  Switching Element Status.
-  Power Limit.
-  Real Time Clock.
-  Prepayment balance.
-  Prepayment receipt information.
-  Water and Gas consumption (if this option is used).

Features:

-  Real two-way Power Line Communication.
-  Displays various customer and network information.
-  Includes a real time clock updated periodically by the concentrator.
-  Directly energized by the power lines.
-  Low power consumption.
-  2 line 16 character large LCD display.
-  Small physical dimensions.
-  Stand alone unit.

Messaging:

-  Displays scrolling messages in the bottom line.
-  Message length up to 256 characters.
-  General or individual message.
-  Buzzer to draw customer attention
-  Buzzer is disabled by disconnecting display from socket and reconnecting.



Technical Specifications

General	
Nominal Voltage (Un)	230V
Supply Voltage range	80% - 115% Un
Nominal Frequency (fn)	50Hz
Environmental	
Temperature range	
operation	-10°C to 55°C
storage	-25°C to 70°C
Insulation Strength	
Protective Class acc. to IEC62052-11	Class II
Display	
Format	16 Characters x 2 Lines
Character size	9.5mm x 5.2 mm
Communication Interfaces	
PLC Frequency range	A-band 60-90 kHz
PLC Method	Spread FSK
Weight/External Dimensions	
Weight	256g
Width	168 mm
Height	82 mm
Depth	42 mm