



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 is a two-way unit, receiving and transmitting data over the power lines (PLC)

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 |