Guide E: Unistar UHT110 CIU

Made by Unistar Hi-Tech Systems Limited, Ojota, Lagos. Talks to the meter by radio (RF). 230V, 50Hz.

E1. Know Your CIU



The Unistar UHT110 CIU

The UHT110 has a large LCD screen, three indicator lights (Credit, Comm and Alarm) and a keypad with 0 to 9, a delete key and a red Enter key. A sticker on the front lists four quick codes: 301 credit balance, 501 kWh of the last token, 101 meter serial number and 115 cancel buzzer alarm.

E2. Description: Screen Symbols and Lights

Symbol	What it tells you
4-digit code	The code of the item currently shown.
kWh, V, A, W	The unit that goes with the number.
CREDIT	The number shown is your remaining credit.
T8	The current rate (tariff).

Symbol	What it tells you
Switch open	The relay is open: power is cut off.
Smiley face	Token accepted.
Sad face	Token not accepted.

Credit light

- Green: you have enough credit.
- Yellow: credit is low.
- Red: warning. Recharge now.

Other lights

- Comm: the CIU is talking to the meter.
- Alarm: a problem has been detected. Contact your provider if it stays on.

E3. Short Codes

Type the 3-digit code, then press Enter.

Code	What it shows
301	Credit balance (your balance)
302	Active energy import (total energy used)
501	Credit of your most recent token
503	Code of your most recent token
101	Meter serial number
110	Emergency credit
201	Voltage
204	Current
115	Cancel the buzzer alarm

E4. Token Recharge Process Flow

1. Buy your energy from a vending office or approved vendor and get your 20-digit token.
2. Type the token on the keypad.
3. The screen shows the number from right to left as you type.
4. Keep each two-digit entry within 15 seconds of the last one. Otherwise the token you typed is deleted automatically and you must start again.
5. If you press a wrong digit, press the delete button and correct it.
6. Press Enter.

What the screen tells you

Screen shows	Meaning	What to do
Smiley and an energy figure, for example 132.5 kWh	Token accepted	The energy shown has been added.
Sad face and USEd	Token already used	This token was entered before. Check 501 and 503 for your last token.
Sad face and oLd	Token is old	An older token was entered after a newer one. Use your latest token.
Sad face and rEJEct	Token rejected	Check the digits and try again, or contact your vendor.

Setting the meter address (pairing)

1. Type the CIU pairing password 070471 and press Enter. The CIU enters meter address setting mode.
2. Type the 13-digit meter number to complete the address setting.

Tracking your own consumption

- Press 302 to see total energy used. Write it down at the same time each day.
- The difference between two readings is what you used in between.
- Press 301 often to know your balance.

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