

Remaining Prepayment Credit		
How much prepayment credit do I have left ?		
<u>Credit high</u> Plenty of prepayment electricity credit left.		
Credit low Credit low. Purchase additional credit, or power to the house will be disconnected Note: If enabled, audible alert will sound		
Smallest wedge and outline flashes		
Emergency Credit Available (Confirm with your utility if this is enabled). To enable, press 2ndF key and then key 5/E-Credit		
Emergency Credit activated Emergency credit selected (2ndF+5) and added to the previous account balance		
No credit left Electricity disconnected. Buy more prepayment electricity and enter token		



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CIU Membrane Overview 2 3 t Rerol L 5 6 8 9 0 i ወ

Keys 1 thru 0 are used to enter prepayment tokens or to select the desired information register. The use of the 2ndF key provides smart functionality by selecting the keys with black function markings. When pressing 2ndF on the keypad, it is confirmed on the display index field. Press desired function, or press 2ndF again to exit the manu. press 2ndF again to exit the menu.

Information Key: For accessing information registers, press info key followed by register and then press ENTER key. Press information key again to exit menu

Enter Key / Power ON: Used to complete function requests and for power ON under battery conditions

Del/Esc Key: For backspace when entering info register number or for backspace or corrections when entering prepayment tokens.

Special 2ndF functionality options 2ndF + Key 2/Alarm:To enable or disable the audible low credit alarm. Use scroll up to select ON or OFF and then press ENTER to save selection.

2ndF + Key 5/E-Credit (Emergency Credit) To activate emergency credit (if available) press the $2^{nd}F$ key followed by the 5-key

2ndF + Key 6/Tariff

2ndF + Key 6/1arinf To read the applicable Rates & Tariffs. The rate or tariffs will be displayed with the name and activation time in the index field. Use the scroll up and down to see activation start times. Rate 1 is typically peak and rate 2 is typically off-peak - confirm with your utility.



- The P160 Customer Interface Unit is your personal interface to the E460 meter, which is typically locked in a secure utility klosk outside your home. The Customer Interface Unit communicates with the meter via the existing mains cables between your house and the meter klosk outside.
- The Customer Interface Unit (also referred to as a CIU), must always be fitted to an electrical outlet in your home and the switch of the outlet should always be ON in order to power the CIU for normal operation.
- The CIU is fitted with a 9V Alkaline battery which is necessary to operate the CIU if the meter has disconnected power to your house you may wake up the CIU by pressing the ENTER/Power ON key to check the status of your meter or to enter a new prepayment credit token (if in prepayment mode)
- The E460 meter may be configured as a smart or prepayment meter. In the smart mode, the E460S supports both post-payment mode (meter automatically read and billed) or prepayment (where you buy prepayment tokens in advance and then enter the token into your meter via the CIU keypad)
- Depending on the configuration and mode of your meter, the information displayed may be different -please refer the mode descriptions below.
- In order to confirm the mode of your meter, you may also contact your utility for further information.

(Below) Typical Prepayment Mode Display



(Below) Typical Post-payment Mode Display



8.8.8.8.8.8 • 🖧 1 000.00. ▼/kWahz 12 **T** 1) Lock icon: When on, the keypad is locked out 2) Credit wedge: Prepayment credit remaining

Display Overview

3) Meter load switch indicator: Shows switch state

4) <u>Cross and tick:</u> Acceptance or rejection of prepayment tokens. Supported by audible tones

5) <u>CIU battery strength indicator:</u> Replace the battery when flat - this to ensure correct operation of your customer interface unit (CIU).

6) <u>Energy direction indicators:</u> +P icon is displayed for import power. -P energy indicator will show net export power (e.g solar generated power)

7) <u>Alarm Indicator:</u> If flashing, the meter or CIU may have a fault or alarm. If the battery indicator is flashing with alarm icon - check or replace battery

8) <u>Index field:</u> Displays the selected info register selected or the default operating display. e.g. 15.8.0 in the index field indicates TOTAL ENERGY

9) <u>Value field:</u> Displays the value of the meter register e.g. total energy register or remaining credit register.

10) <u>Arrow Indicators</u>: These indicators provide a visual indication of the status of some parameters of the meter. Arrow 1 is Rate 1 (typically peak) and Arrow 2 is Rate 2 (typically off-peak)

11) <u>Coin Stack:</u> Displayed when your remaining prepayment credit is in Currency value

12)<u>Units Indicator:</u> Provides information about the number in the VALUE field. For example if the display reading is power, then the units indicator will show "W" for Watts.



Useful Prepay	ment Registers
Enter Information Mode	Meter Serial Number
Press 📘 🔶	
Enter register number, then press ENTER KEY	
To access next meter regist keys to next desired regi	er, press SCROLL up or down ster and press ENTER key
Enter Information Mode	Remaining prepayment credit
Press	
Enter register number, then press ENTER KEY	i U U 2
The display could be in En Value (for currency, LCD Your smart meter could be i mode - check displa	ergy Value (kWh) or Currency display shows a coin stack) in prepayment or post-payment y information to confirm
Enter Information Mode	Last 20 digit prepayment
Press 🚺 →	token entered
Enter register number, then press ENTER KEY	i 3 0 1
In case you are uncertain wh are used, you can cross accessing registers 301 t scrolled from right to left, token purchas	hich of your prepayment tokens check the last 25 tokens by o 325. The 20 digit token is with the date and time of the re also displayed
Enter Information Mode	Prepayment
Press 🚺 →	accumulated debt
Enter register number, then press ENTER KEY	i 0 0 4
This is applicable if you hav next prepayment token mus in order to return to a po 	e used Emergency Credit. Your st exceed the accumulated debt ositive prepayment balance
Enter Information Mode	Prepayment Emergency
Press 🚺 →	Credit
Enter register number, then press ENTER KEY	i 0 0 5
Emergency Credit may be available, it can be activated sounded or if your credit ha and then key 5/ E-Credit	available if set by your utility. If I when the low credit warning is as already expired. Press 2ndF to activate Emergency Credit



Typical Displays	
Low Battery Indication	
The battery indicator segments will show the status of the battery. When flashing in the last segment and the CIU alert indicator light is flashing red, please replace battery	
Power Limit Exceeded	
During a 30 sec power limit disconnect, the load switch indicator will flash in the open state (and the lock icon will be off), during a 30 minute lockout the lock symbol is on.	
Enter Information	Mode Switch Inhibit timer
Press Li → Enter register num then press ENTER When you continue and you have been 30 sec periods, the The inhibit timer t minutes left before reduce your energy	hber, KEY to exceed your prescribed power limit disconnected for more than 5 times fo an the disconnect period is 30 minutes. Hen gives and indication of how many the load switch will close again. Try and y usage to avoid further disconnections
— — — — — — — — — — — — — — — — — — —	riff / Rate Information
To access tariff or rate information, press 2ndF key and then 6/ Tariff To exit the menu, press the Del/Esc key	
The index field fla (i.e t002 and the st shows the applicab	shes, alternating between the tariff nar art time of that rate/tariff). The value fit le rate in post-payment mode and whe