



CG100EM

Energy Display

User Manual



CityGrow Technology

[www.citygrow.org](http://www.citygrow.org)

# TROUBLESHOOTING

## CHOOSING THE RIGHT LOCATION

It is important to select the right location for installation


It should be:



1. Easily accessible for programming and other operations.
2. In a location away from water, humidity, direct sunlight and dust.
3. The performance of wireless network relies on the wireless connection between the devices located in your house, during installation, pay attention that the range and performance of the wireless control system is highly dependent on
  - a. Distance between devices
  - b. Layout of the home
  - c. walls separating devices
  - d. Electrical equipment located near the devices
  - e. Refer to Quick Installation Guide for the selection of installation location

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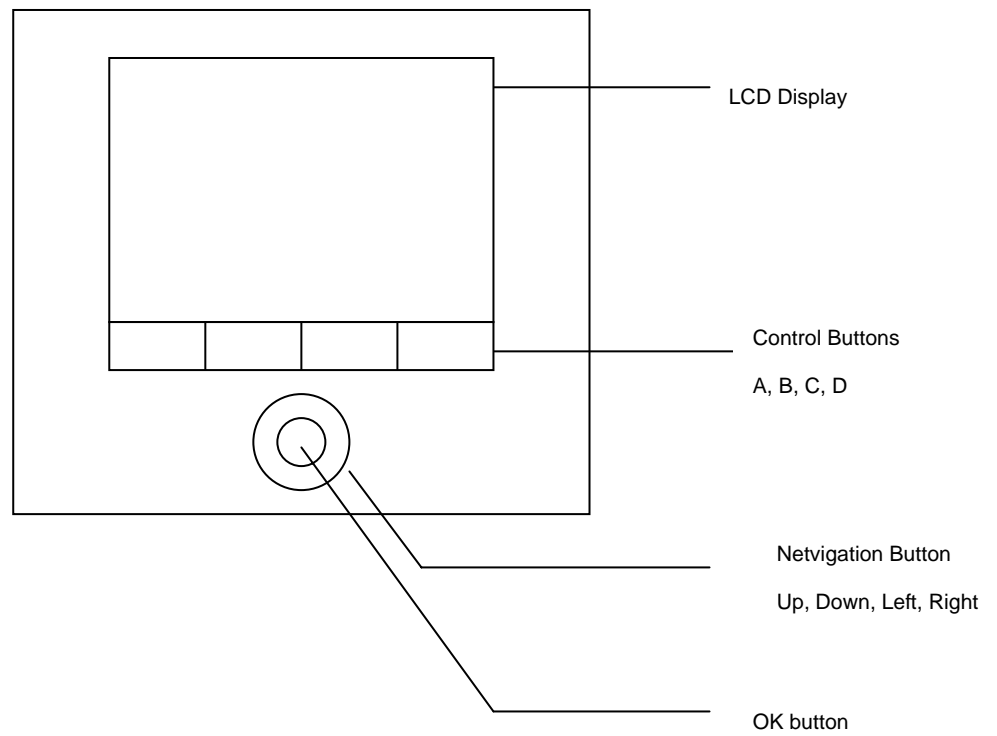
1. Introduction
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## 1. INTRODUCTION

Thank you for selecting  product, this Energy Display is working on IEEE 802.15.4 Communication standard. It offers beneficial features like ....

1. Wireless control at 2.4Ghz
2. Wireless control distance can be extended by locating different  devices at different location , these devices form a communication network
3. Bi-directional communication that you can either control or monitor the Energy status of your  devices
4. Simple installation procedures
5. Simple wiring, extra data cable is NOT required
6. Display of Energy consumption of the other devices
7. Display of Energy report in daily, monthly and weekly
8. Display of Energy by KWH
9. Display of Energy by Dollar amount
10. Display of current temperature and time and date

## 2. Understanding of Energy Display



### 3. Setting method

- 3.1 Press the menu button (A, B, C or D) to go through different display menu
- 3.2 Press OK button to confirm you selection
- 3.3 Press the Up, Down button to select your items
- 4.4. Press the Left , Right button to select your items
- 4.5 Press the Home button to come back to Home display
- 4.6. Press the Back button to go back to previous display

### 4. Price setting

- 4.1 Select the price range you prefer by using the Netvigation button
- 4.2 Confirm your selection by OK button
- 4.3 Change the price by using the ABCD button
- 4.4 Confirm your setting by OK button
- 4.5 Press the Home button to come back to Home display
- 4.6. Press the Back button to go back to previous display

## 5. Report schedule setting

- 5.1 Select the Daily, Monthly or Yearly display format by using the Netvigation button
- 5.2 Confirm your selection by OK button
- 5.3 Press the Home button to come back to Home display
- 5.4. Press the Back button to go back to previous display

## 6. Display of system consumption

- 6.1 Press Menu button
- 6.2 Use netvigator button to select system consumption
- 6.3 Press Ok button to confirm
- 6.4 Press Ok button again to select System consumption
- 6.5 LCD will show the overall energy usage of the entire system

## 7. Home Display

7.1 At any condition, press the Home button will return to Home display

7.2 Home display will show the over all energy in KWH

7.3 Home display will show the date

7.4 Home display will show the clock

7.5 Home display will show the current temperature

7.6 Home display will show the estimated price of energy usage

## 8. Installation guide

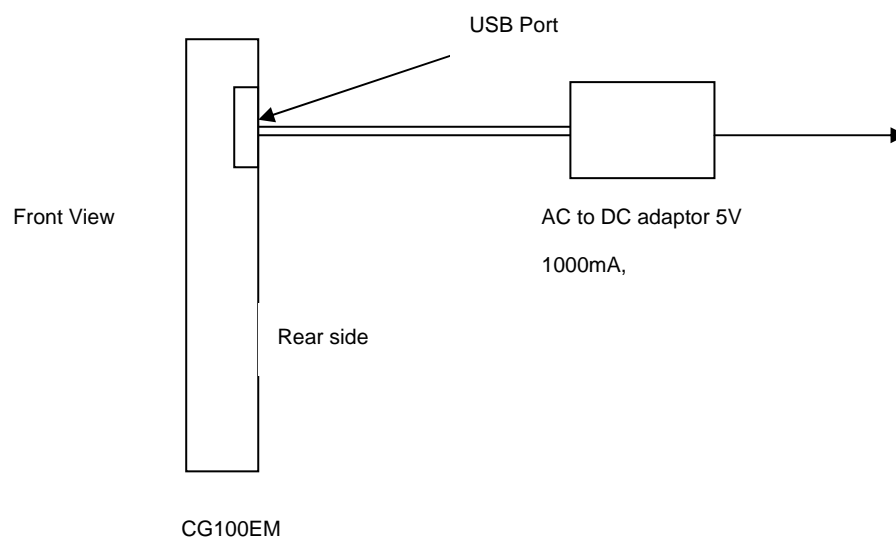
8.1 Connect 5V DC supply to the USB port of the unit.

8.2 Beware of the positive and negative sign of the supply connections that printed on the connection terminal

8.3 The LED indicator will be lighted up and LCD display will show the Home menu, refer to section 7—Home menu

8.4 The system will work accordingly

8.5 The role of USB port is for input voltage from AC/DC adapter or from computer USB port.





**Federal Communication Commission Interference Statement**

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - (1) This device may not cause harmful interference, and
  - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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