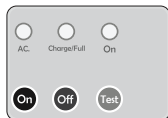
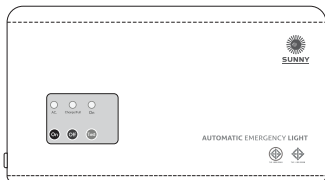


USER MANUAL



Central Battery Control Unit | CCU12V-30 Series



- LED AC ► Indicate that the unit is receiving power.
- LED Charge/Full ► Gives information on battery charging.
- LED ON ► Indicate the unit is ready for operation.
- Switch ON ► Press to turn on the lamp (while the unit is not plugged in).
- Switch OFF ► Press to turn off the lamp (while the unit is not plugged in).
- Switch Test ► For testing the device's availability. (during normal circumstance)

Status Indicators and Testing Buttons

Features

1. Controlled by a highly intelligent 8-bit micro controller.
2. The unit uses high quality LEDs providing bright and constant illumination throughout its operation with a lifetime of over 50,000 hours (when used in conjunction with our recommended equipment).
3. The fully sealed "SUNNY" lead-acid battery is totally maintenance-free throughout its operational life.
4. The unit's case is made out of 1mm thick Electro-Galvanized metal sheets coated with epoxy powder and stove enamel and is highly resistance to rust.

Installation and Operation

1. Check to make sure that the power socket of the home or building is providing a 220 VAC current. If not please resolve the issue first before installing the unit.
2. Install the unit properly at the location where emergency light is needed. Check to make sure the unit is properly secured to prevent possible accidents.
3. Check that the load electrical wire is in good working order. If so, connect it to the Terminal Output and screw tightly to prevent any electrical sparks that could cause fire.
4. Press the "ON" switch and hold down for about 3 seconds. The unit will then provide power to the emergency lamp and the "LED ON" will turn on.
5. Plug the unit into a socket that provides a 220VAC power supply.
6. The AC LED light will show if the unit is receiving power from the power socket. The Charge/Full LED will blink if the battery is charging and will remain on when the battery is fully charged.
7. During operation press the TEST button to perform an operational test. The emergency light should turn on for 5 seconds and then turn off automatically.

Important Note on Using the Unit

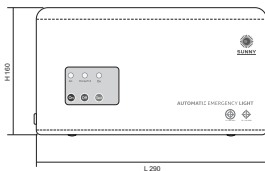
1. Always press the "ON" switch every time after installation to turn on the unit.
2. When the unit is not in use always turn it off by pressing the "OFF" switch.
3. The unit should be installed indoors away from direct sunlight and rain or moisture.
4. The unit should be stored in temperatures under 25 Degree Celsius and the battery should be charged every 3 months to maintain its operational life

Initial Trouble Shooting

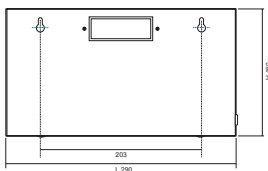
Cause	Problem	What to do
<ul style="list-style-type: none"> - Power not getting to the unit after plugging in. The LED AC light does not turn on. 	<ul style="list-style-type: none"> - The power socket might not have any power. - The plug or socket is loose. - The AC.220V fuse is blown. 	<ul style="list-style-type: none"> - Check the 220VAC power supply. - Check the plug and socket. - Contact customer service.
<ul style="list-style-type: none"> - Emergency light does not turn on after the power went out. 	<ul style="list-style-type: none"> - The unit is not plugged in. - The battery terminals are not connected. - The lamp is faulty. - The load wiring is loose. - The DC fuse has blown 	<ul style="list-style-type: none"> - Check the unit's power socket. - Connect the battery terminals. - Contact our customer support department. - Check the load wiring. - Contact our customer support department.
<ul style="list-style-type: none"> - Emergency light only turns on for a short time after the power went out. 	<ul style="list-style-type: none"> - The battery is not fully charged. - The battery has degraded. 	<ul style="list-style-type: none"> - Fully charge the battery. - Contact customer service to replace the battery

Dimension (mm)

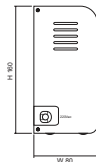
FRONT VIEW



BACK VIEW



SIDE VIEW



Terms for Warranty and Service

1. The product will only be under warranty if the customer fills in the “warranty card” and return the “return part” to the company within 7 days of purchasing the product. If this is not done within the specified time then the warranty will be considered void.
2. The warranty only covers the unit’s internal parts for the duration specified by the company counting from the date of purchase.
3. Please show the warranty card every time when contacting our service department or the dealer you purchased the unit from.
4. The warranty will be considered void in the following cases.
 - The unit has been used outside of its intended use specified in the manual.
 - The unit has been used with equipment that does not meet the specifications specified within the manual.
 - The unit has been damaged from impact, for example parts are dented, scratched missing or distorted.
 - The unit has been modified or repaired by people not officially certified by our company.
 - The Sticker Warranty Void has been removed or torn.
 - The unit is damaged from negligence or incompetent use, for example, the battery is swollen, the batter has been overcharged, the battery has been damaged from quick charging, the battery has been short-circuited, the battery’s charged has been completely drained.
 - The unit has been stored improperly, for example, it was exposed to moisture causing rust and damage to the internal circuitry.
 - Damaged was caused by a malfunction in the AC power supply.
 - Damage from natural disaster such as fire, moisture, submersion in liquids, chemical damage or from unavoidable circumstances.
 - Damage from animals or insects.

Note : Please read the manual carefully before installation and operation to understand how to properly operate the unit.

For any further questions about your product please feel free to contact SUNNY’s customer service department.
Tel. (+66) 02-948-4450-2
E-mail: service@sunnyemergencylight.com

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