

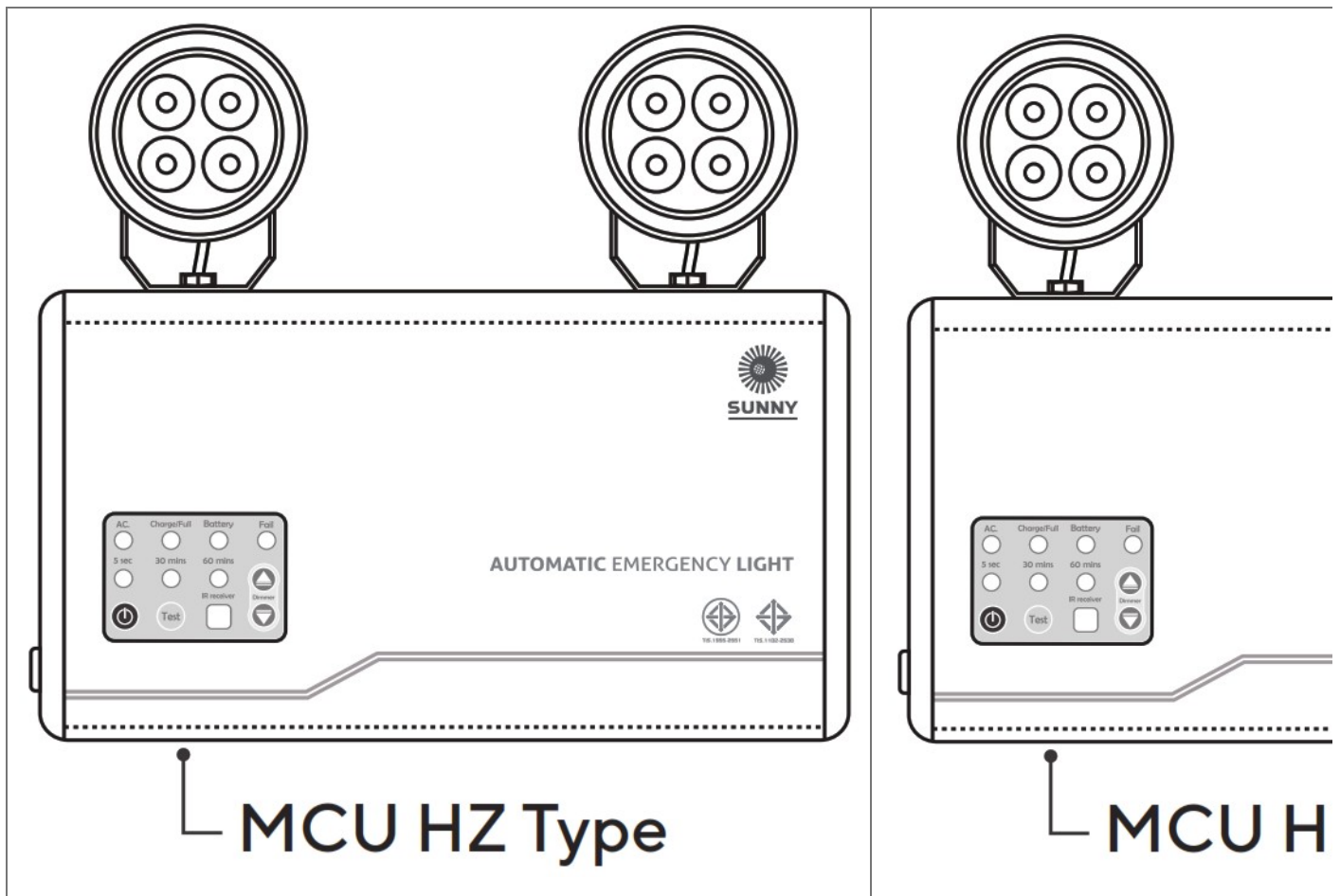


SUNNY MCU Series Self Contained Emergency Light User Manual

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USER MANUAL
Self-Contained Emergency Light MCU Series

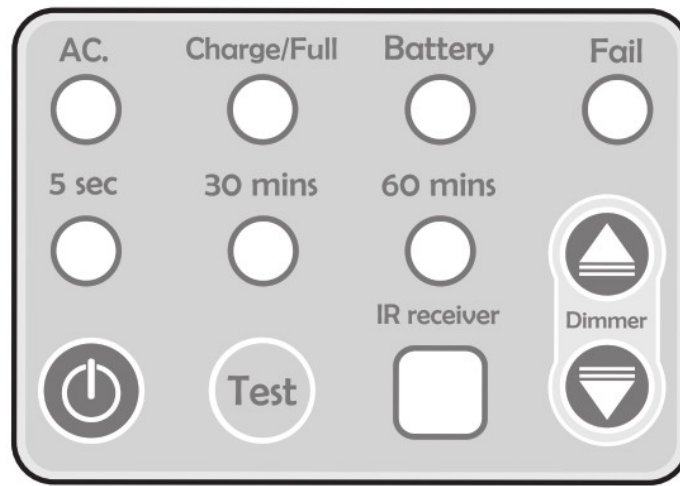


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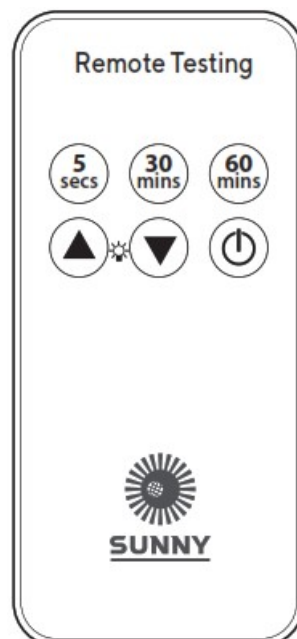
MCU Series Self Contained Emergency Light

Status Indicators and Testing Buttons



LED AC	► Indicate that the unit is receiving power.
LED Charge/Full	► Gives information on battery charging.
LED Battery	► Indicate battery voltage range
LED Fail	► Indicate error status.
LED 5 sec	► Indicate the unit is performing a 5 second test.
LED 30 mins	► Indicate the unit is performing a 30-minute test.
LED 60 mins	► Indicate the unit is performing a 60-minute test.
Switch ON/OFF	► Press to turn ON/OFF the lamp. (while the unit is not plugged in)
Switch Test	► For testing the device's availability. (during normal circumstance)
IR Receiver	► Infrared signal sensor used to receive signal from the infrared remote.
Dimmer	► Press to adjust the brightness level (only supported in the HZ models).

Remote Testing



Features

1. Controlled by a highly intelligent 8-bit micro controller.
2. Automatic self-test system that is able to be set for every 1 or 6 months. The time, date and duration of the automatic test can be set as desired. This will help to extend the life of the battery as well as lower the burden of maintenance on the user.
3. Testing can be activated remotely using the infrared remote.
4. The unit has a quick self-test function with durations of 5 seconds, 30 minutes and 60 minutes.
5. The brightness of the unit can be adjusted to 3 different levels for optimum brightness and operational time (only supported for units with the HZ lamp type).
6. Using high quality LEDs with a lifetime of over 50,000 hours, providing bright and constant illumination throughout its operation.
7. The unit's outer case is made from ABS UL94 V-O Flame Retardant plastic that is highly resistant to impact and corrosion.

Installation and Operation

1. The unit can be installed on leveled ground or hung up.
2. Install properly and securely to prevent accidents that could cause damage to the unit or other people and property.
3. Press and hold the ON Switch for about 3 seconds. Both emergency lamps will illuminate and the LED ON light on the unit will turn on indicating that the unit is operational.
4. Plug the unit into a power socket with a 230Vac power supply. The emergency lamp will remain on for about 5 seconds before turning off .
5. Press the Dimmer button to adjust the brightness of the unit (only supported in the HZ models).
6. When the unit is operational, tests can be performed using the Test button on the unit or remotely using the remote with the following options.
 - Press the 5sec button to perform a 5 second test, after which the unit will return to normal operation.
 - Press the 30min button to perform a 30-minute test, after which the unit will return to normal operation.
 - Press the 60min button to perform a 60-minute test, after which the unit will return to normal operation.
 - To cancel the test, press the OFF button.

Note : When activating the self-test function whether through the remote or the button on the unit the test button will have the same function.

Important Note on Using the Unit

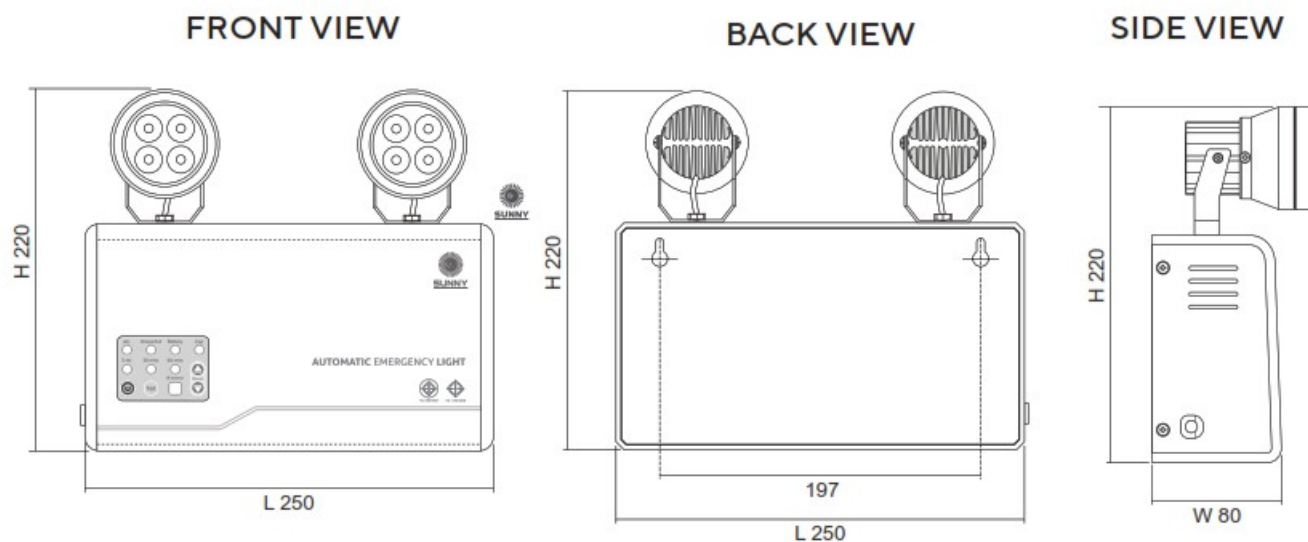
1. The unit should be installed indoors away from direct sunlight and rain or moisture.
2. The unit should be stored in temperatures under 25 Degree Celsius and the battery should be charged every 3 months to maintain its operational life.

Initial Trouble Shooting

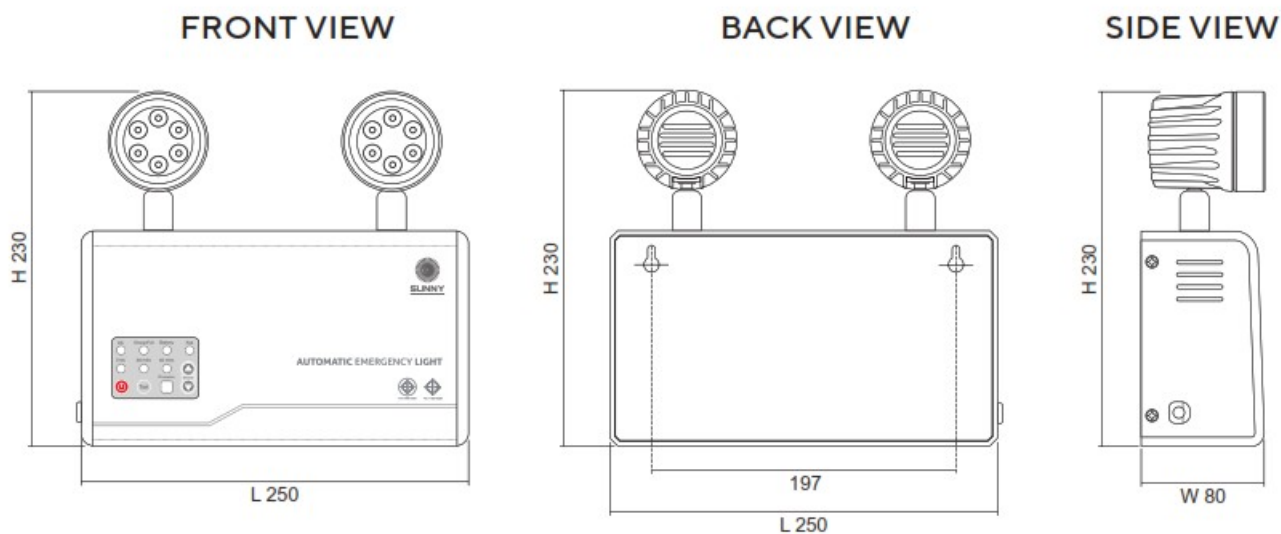
Cause	Problem	What to do
<ul style="list-style-type: none"> – Power not getting to the unit after plugging in. The LED AC light does not turn on. 	<ul style="list-style-type: none"> – The power socket might not have any power. – The plug or socket is loose. – The A.C.230V fuse is blown. 	<ul style="list-style-type: none"> – Check the 230VAC 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 lamp is faulty. – The circuit's wiring is loose. – The D.C fuse is blown. 	<ul style="list-style-type: none"> – Check that the unit is plugged in. – Contact customer service. – Contact customer service. – Contact customer service.
<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)

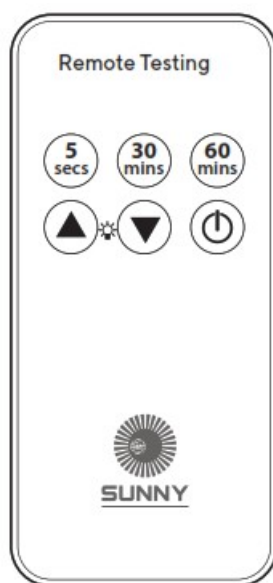
MCU HZ Type



MCU NC Type



How to use the remote



Perform a 5 second test.



Perform a 30-minute test.



Perform a 60-minute test.



Increase the lamp's brightness (only available with the HZ lamp type)



Decrease the lamp's brightness (only available with the HZ lamp type)



Turn on/off the emergency lamp or cancel any test in progress.

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 battery has been overcharged, the battery has been damaged from quick charging, the battery has been short-circuited, the battery's charge 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.

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Documents / Resources

	<p>SUNNY MCU Series Self Contained Emergency Light [pdf] User Manual MCU Series Self Contained Emergency Light, MCU Series, Self Contained Emergency Light, E mergency Light</p>
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