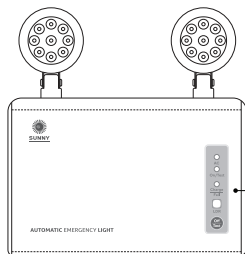


# USER MANUAL



## Self-Contained Emergency Light | SGM Series



Model: SGM209CD3

- ▶ **LED AC**  
AC  
On/Test
- ▶ Indicates that the unit is receiving a power supply
- ▶ Indicates that the unit is receiving a power / Indicates if the unit is performing a self-test
- ▶ **LED Charge/Fail**  
Charge  
Fail
- ▶ Indicates that the unit's battery is charging or is a problem with the battery
- ▶ **LDR**
- ▶ Light detector sensor
- ▶ **Switch Off/Test**  
Off  
Test
- ▶ Press to turn off the lamp and the system of the unit (while the power is off or the unit is not plugged in)
- ▶ Press to test the device's availability (during normal circumstance and the unit is plugged in)

### Status Indicators and Testing Buttons

## 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. Plug the unit into a power socket with a 220-240VAC power supply. The emergency lamp will remain on for about 2 seconds before turning off, Notice the LED will show the status as follows.
  - 3.1 The LED "AC" will turn on indicating that the unit is receiving power.
  - 3.2 LED "On/Test" lit or flashing slowly indicates the status of the unit ready to use.
  - 3.3 The LED "Charge/Fail" will be on when the battery is charging.
  - 3.4 The LED "Charge/Fail" will be off when the battery is fully charged.
4. When the unit is operational, tests can be performed.
  - 4.1 Pressing the "Off/Test" switch the emergency lamp will remain on for about 5 seconds before turning off.
  - 4.2 Unplug the unit from the 220-240VAC socket and the emergency light should turn on automatically and plugging the unit back in should cause the emergency lamp will remain on for about 5 seconds.
5. During normal power conditions, if the surrounding area is dimmer than 5 Lux and the unit detects a person walking by, it will automatically provide illumination using mains power.

6. During power outages the emergency light should automatically turn on and will turn off automatically and start charging the battery once power is restored.

**Caution: Please always read the manual prior to installation and operation.**

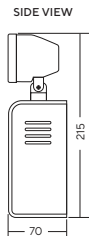
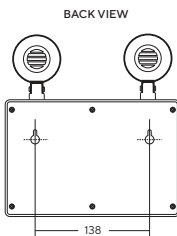
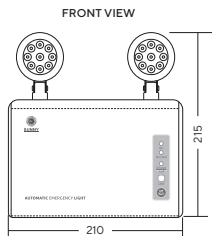
## Important Note on Using the Unit

1. The emergency lighting unit should be installed indoors, out of direct sunlight and humidity. It should not be installed in environment with temperatures higher than 40 degrees Celsius.
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.
3. Please always read the manual carefully prior to operating the unit for the safest and most effective use of the product.

## Indicators

| Indication Lights                                                                                | Display                                                                                                                                                             | Meaning                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC<br>           | <ul style="list-style-type: none"><li>- A continuous orange light</li><li>- The orange light turns off</li></ul>                                                    | <ul style="list-style-type: none"><li>- The unit is receiving a normal AC power supply.</li><li>- The unit is not receiving an AC power supply.</li></ul>                                                                                                                 |
| On/ Test<br>     | <ul style="list-style-type: none"><li>- A continuous green light</li><li>- Fast blinking green light every 1 seconds</li></ul>                                      | <ul style="list-style-type: none"><li>- The unit is turned on and operational.</li><li>- The unit is performing a battery test (Manual Test).</li></ul>                                                                                                                   |
| Charge/Fail<br> | <ul style="list-style-type: none"><li>- A continuous red light</li><li>- The red light turns off</li><li>- A red light blinks four times every 15 seconds</li></ul> | <ul style="list-style-type: none"><li>- The battery is charging.</li><li>- The battery is fully charged.</li><li>- "Charging fail" When the battery charging system does not charge, the charge does not reach full capacity, or the charging does not cut off.</li></ul> |

## Dimension (mm)



## Initial Trouble Shooting

| Problem                                                                               | Cause                                                                                                                                                                   | What to do                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - Power not getting to the unit after plugging in. The LED AC light does not turn on. | <ul style="list-style-type: none"> <li>- The power socket might not have any power.</li> <li>- The plug or socket is loose.</li> <li>- The AC fuse is blown.</li> </ul> | <ul style="list-style-type: none"> <li>- Check the 220-240VAC power supply.</li> <li>- Check the plug and socket.</li> <li>- Contact customer service.</li> </ul>                                       |
| - Emergency light does not turn on after the power went out.                          | <ul style="list-style-type: none"> <li>- The lamp is faulty</li> <li>- The circuit's wiring is loose.</li> <li>- The DC fuse is blown</li> </ul>                        | <ul style="list-style-type: none"> <li>- Contact customer service.</li> <li>- Contact customer service.</li> <li>- Contact customer service.</li> </ul>                                                 |
| - Emergency light only turns on for a short time after the power went out.            | <ul style="list-style-type: none"> <li>- The battery is not fully charged.</li> <li>- The battery is past its operational lifetime or has deteriorated</li> </ul>       | <ul style="list-style-type: none"> <li>- Take the emergency light unit to charge until the "LED Charge/Fail" indicator turns off.</li> <li>- Contact customer service to replace the battery</li> </ul> |

## Terms for Warranty and Service

1. The Warranty will only be covered if the customer fills in the "warranty registration form" and mail the return part back to the company within 7 days from the day of purchase. If this is not carried out the warranty will be considered void.
2. The warranty only covers the unit's internal parts. The conditions and durations for the warranty of each part is as specified and the duration of the warranty is calculated from the date of purchase.
3. Please show your warranty card every time you contact our service center or the dealer you purchased the product from.
4. Products that fall into the following category are considered not covered by the warranty.
  - The product was used in a way not specified in the manual.
  - The product was used with accessories not meeting the required specifications specified in the manual.
  - The product seems to have been damaged from being dropped or from strong impact, for example, the parts are loose, dented, scrapped or misshapen.
  - The product has been repaired or modified by personnel not authorized by our company.
  - The Warranty Void sticker is torn or removed.
  - The product is damaged from careless use or incorrect maintenance, for example, the battery is swollen from overcharging, quick charging was used on the battery, the battery terminals have been short-circuited, the unit was used until the battery was completely discharged and not recharged immediately, the product was stored for long periods until the Battery Checker warning activates and still it is not plugged-in to charge or taking the battery to normal temperature conditions and not recharging it every 1 month.
  - The product was stored in an unsuitable environment, for example, a location with moisture or water vapor.
  - The product was supplied with a faulty AC power supply such as electrical overvoltage, electrical current surges, or lightning strikes entering the AC power line.
  - Damages from natural causes such as fire, being summered in fluids, humidity, chemicals or force majeure.
  - Damages from insects or animals.

**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](mailto:service@sunnyemergencylight.com)**

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