CCL ELECTRONICS LTD

WIRELESS LIGHTNING SENSOR

Model: C3129A

User Manual

Thank you for selecting this wireless lightning sensor. This manual is used for US version. Please read the instructions carefully according to the version you purchased and keep the manual well for future reference.

FCC STATEMENT

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.

Warning: Changes or modifications to this unit 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 n a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

" FCC RF Radiation Exposure Statement
Caution: To maintain compliance with the FCC's RF exposure guidelines, place the unit at least 20cm from nearby persons."

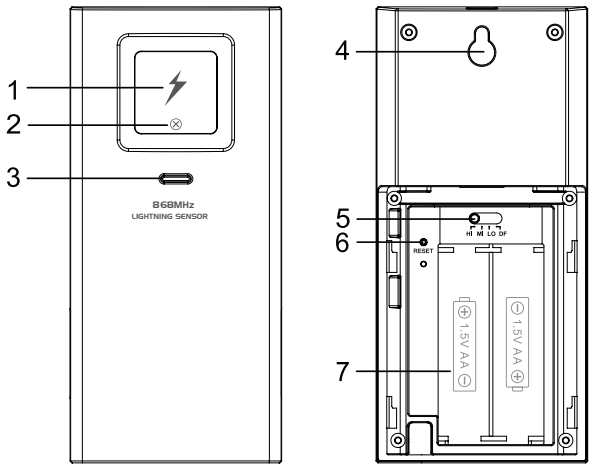
IMPORTANT NOTE

- Read and keep these instructions.
- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper with the unit's internal components. This invalidates the warranty.
- Only use fresh batteries. Do not mix new and old batteries.
- Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Attention! Please dispose of used unit or batteries in an ecologically safe manner.
- Technical specifications and user manual contents for this product are subject to change without notice.

CAUTION

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery cannot be subjected to high or low extreme temperatures, low air pressure at high altitude duning use, storage or transportation.
- Replacement of a battery with an in correct type that can result in an explosion or the leakage of flammable liquid or gas.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- An appliance is only suitable for mounting at height ≤ 2m.

OVERVIEW



1. Lightning indicator
2. Noise indicator
3. Transmission status LED
4. Wall mounting holder
5. **[SENSITIVITY]** slide switch to assign the sensor sensitivity to High / Mid / Low / Default
6. **[RESET]** button
7. Battery compartment

GETTING STARTED

1. Remove the battery door.
2. Slide the **[SENSITIVITY]** slide switch to choose a sensitivity mode.
3. Insert 2 x AA size batteries into the battery compartment according to the polarity mark on the battery compartment..
4. Close the battery door.
5. After inserting batteries, the transmission status LED will light up 1 sec.

NOTE:

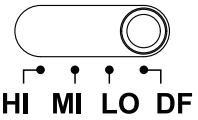
- Once the sensitivity mode is assigned, you can only change it by removing the batteries or resetting the unit.
- Avoid placing the sensor in direct sunlight, rain or snow.

LED INDICATOR

The flashing mode of lightning indicator and noise indicator means:

Flashing mode	Description
 Long flash	One lightning strike was detected.
 Short flash	Noise signals was detected, reminding the user that current location has high level noise. Please find another location of lower noise level.

SENSITIVITY SLIDE SWITCH



- The sensor is intended to be installed outdoor under sheltered areas away from noise generated by switches and household appliances that may trigger false lightning.
- Default Setting (DF) is for sensitivity between high and mid levels. If you think the sensor picked up a lot of false lightning strikes, then please try with sensitivity Mid (MI) or Low (LO). If the sensor missed lightning detection, you may try with sensitivity High (HI).

PAIRING THE WIRELESS SENSORS WITH THE CONSOLE

The console will automatically search and connect to your lightning sensor. Once your sensor pair up successful, the sensor signal strength indication and weather information will appear on your console display.

NOTE:

Every reading transmission, the transmission status LED will flash at once.

RESET THE SENSOR

In case of mal-function, press **[RESET]** button to reset the sensor.

HOW TO PLACE THE SENSOR

- Choose a location on the exterior of the home where can shield the sensor from direct sunlight or wet conditions for an accurate reading.
- Minimize obstructions such as doors, walls, furniture, etc.
- Hang it with the wall mount hole or place it directly on flat surface, and make sure the transmission is within 150 meters approx.

SPECIFICATIONS

Dimensions (W x H x D)	125 x 58 x 19 mm (4.9 x 2.2 x 0.7 in)
Weight	144g (with batteries)
Main power	2 x AA size 1.5V batteries (Lithium battery recommended for low temperature environment)
Weather data	Lightning strike and distance
RF frequency	915Mhz (US)
RF transmission range	150m (300feet) straight distance
Lightning detection range	0 ~ 25 miles / 0 ~ 40 km
Transmission interval	60 seconds
Operating temperature range	-20 ~ 60°C (-20 ~ 140°F)
Operating humidity range	RH 1% to 99 %