



# LD7

## USER'S MANUAL



# PERSONAL LIGHTNING DETECTOR

## DETECTOR PERSONAL DE RAYOS DÉTECTEUR D'ÉCLAIR PERSONNEL

*Please read this manual carefully and thoroughly before using this product.*

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## INTRODUCTION

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*Congratulations on your purchase of the Lightning Seeker LD7 Lightning Distance Indicator product. The product is ideal for early storm warnings and storm directions to provide more personal protection during outdoor activities. We strongly recommend that you read this manual carefully before using this product.*

# FEATURES

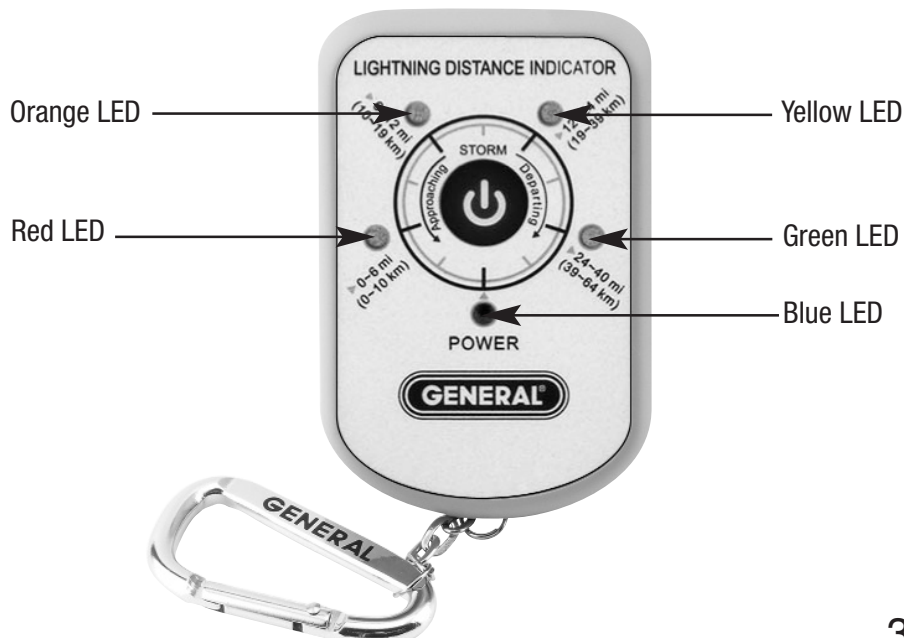
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- Pocket size lightning detector that can be clipped on your belt or hung from your belt loop
- Gives you early warning of pending storms and lightning at various distances from 0 – 40 miles away
- Multiple alarm signals include an audible alarm, or a vibration alarm and sequentially illuminating LED's at various distance intervals: 24 – 40 miles, 12 – 24 miles, 6 – 12 miles and 0 – 6 miles
- Will inform you if the danger is approaching, stationary or departing
- FCC, CE, RoHS, WEEE approved

# SPECIFICATIONS

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- Ranges: 0-6 miles; 6 to 12 miles; 12 to 24 miles; 24 to 40 miles
- Dimensions: 3.31 x 2.17 x 0.96 in. (84 x 55 x 24mm)
- Weight: 2.6 oz. (74g)
- Power Source: 2 “AAA” batteries (included)



# INSTRUCTIONS

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## **INSTALLING THE BATTERY:**

Slide off the back cover to the battery compartment and install two “AA” batteries.

## **POWER ON:**

To turn the unit on (press and hold the yellow button for 5 seconds) (three beeps indicates that the unit is on).

## **BATTERY CHECK:**

When first turned on, the detector performs a self battery test. The LED's will indicate the battery level, with each LED indicating about 20% of battery level.

If all LED's flash twice, the battery level is 100%

If only 4 LED's flash twice, the battery level is 80%

If only 3 LED's flash twice, the battery level is 60%

If only 2 LED's flash twice, the battery level is 40%

If only 1 LED's flash twice, the battery level is 20%, change battery immediately.

It is strongly recommended that the battery be replaced when the battery charge level drops to 40% or below.

# OPERATION

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## **LIGHTNING DETECTION:**

When the unit is on, the Blue LED will blink continuously (two seconds on and three seconds off). When a lightning strike is detected, the detector will light the appropriate LED indicating the approximate distance of the lightning strike. (Either an audible beep or vibration may be chosen to alert the user).

- a. One beep (or one second vibrate) and the Green LED being lit up will indicate a strike within the 24 to 40 mile range.
- b. Two beeps (or a two second vibration) and the Yellow LED being lit up will indicate a strike within the 12 to 24 mile range.
- c. Three beeps (or a three second vibration) and the Orange LED being lit up will indicate a strike within the 6 to 12 mile range.
- d. Four beeps (or a four second vibration) and the Red LED being lit up will indicate a strike within the 0 to 6 mile range.

***Pressing the yellow button for different time intervals accesses different functions.***

**STORM ACTIVITY:**

***(Press & hold the yellow button between 2-3 seconds.)*** This will initiate a reading from previous activity.

The detector can detect whether a storm is approaching, departing, stationary or no activity.

- a. If the LED's cycle from the Blue power LED upwards to the Orange and Yellow LED's, (6-12 / 12-24) in a symmetrical fashion, the storm is stationary or there is not enough data to determine the direction of the storm.
- b. If the LED's cycle clockwise from the Red LED to the Blue, the storm is departing.
- c. If the LED's cycle counterclockwise from the Blue LED to the Red LED, the Storm is approaching.

**BEEPER / VIBRATION INDICATION:**

***(Press and hold yellow button between 3 to 5 seconds).*** The detector is always in the “beeper” mode when powered on. To change to “beeper & vibration” mode, press the power button for approximately 3 to 5 seconds until the vibration is felt. Stop pressing button immediately. The unit is now in “beeper & vibration” mode.

**Power Off:**

***(Press and hold the yellow button greater than 5 seconds.)***

To turn the unit off, simply hold the button for greater than 5 seconds until the vibration stops and two beeps indicate the unit is off.

The unit will auto power off after two hours from last lightning strike or period of inactivity.

**NOTE:** Detector may receive interference due to cell phone towers, cell phones in use, motors, engines and other electromagnetic sources.

All strikes, including cloud to cloud generate EMP/RF radiation, but cloud to cloud strikes typically travel in a horizontal direction and therefore, if you are located in a direction at the initiation (beginning) of the strike, the longitudinal radiation lines generated by the lightning bolt, as it travels to the other cloud, move downward to the ground and upward into space and therefore the signal moving toward your direction is substantially less and will result in weaker detection.

# FCC INFORMATION

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*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.  
(2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

## CAUTION!

- Do not expose instrument to water.
- Turn off the unit if the system is not in use
- Attention should be paid to the disposal of batteries in environmentally-friendly ways
- Remove the batteries when cleaning the unit
- Remove the batteries before storing the unit for a long time
- When necessary, replace both batteries at the same time with new ones
- Use only the size and type of battery specified
- Be sure to install the batteries with the correct polarity as indicated in the battery compartment

**EU Environmental Protection Waste-Electrical products should not be disposed of with household waste.**

**Please recycle where facilities exist.**

**Check with your Local Authority or retailer for recycling advice.**