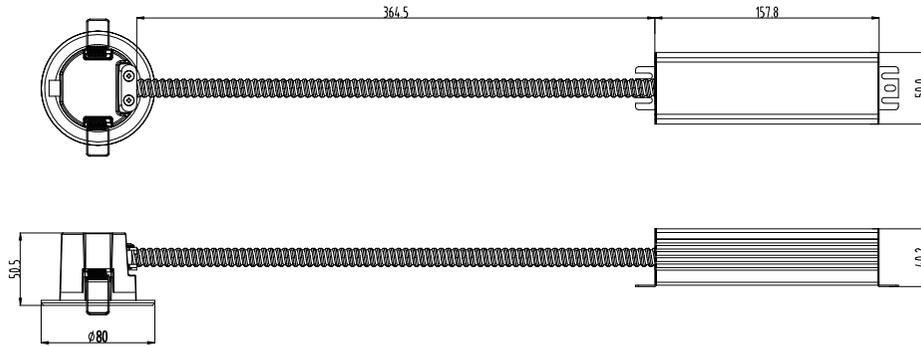


# USER'S GUIDE FOR CENTRAL MONITORING EMERGENCY LIGHTING

LF-ELDR1  
LF-ELDR2



## Warning note

Welcome to use LF-ELDR1 LF-ELDR2 Central Monitoring Emergency Lighting produced by our company, Please read this manual before installation, please keep it for reference.

**Note:** This manual applies to the following models: LF-ELDR1, LF-ELDR2

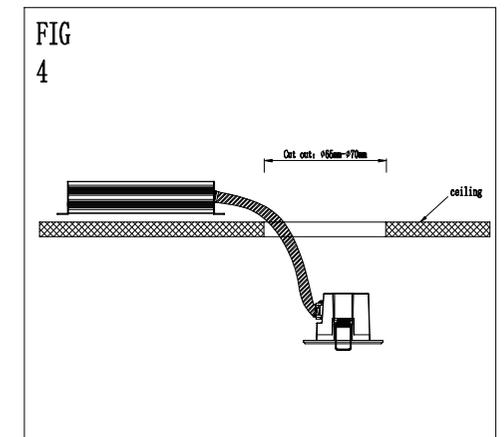
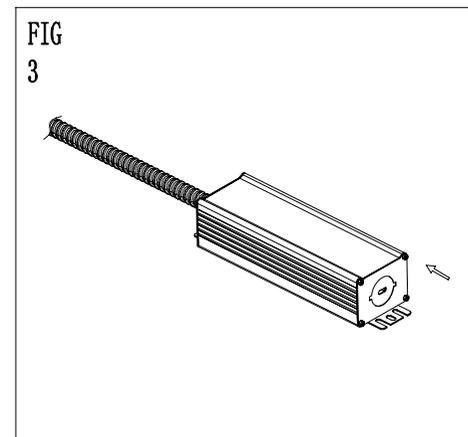
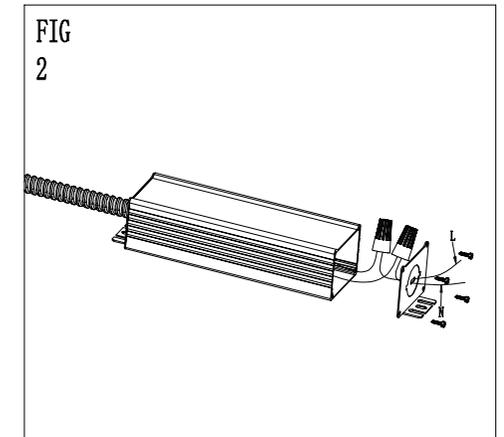
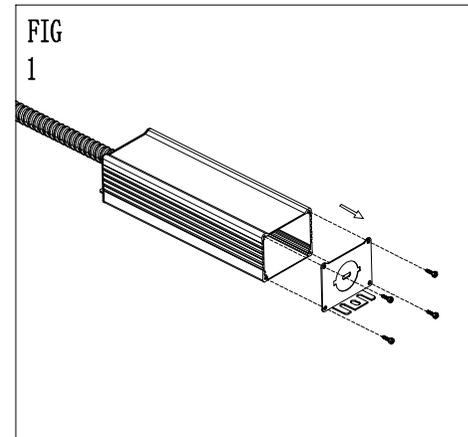
## Model list:

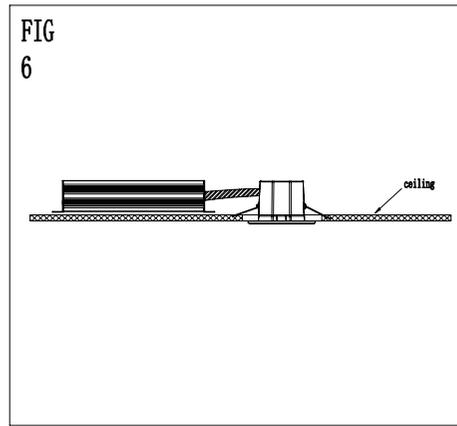
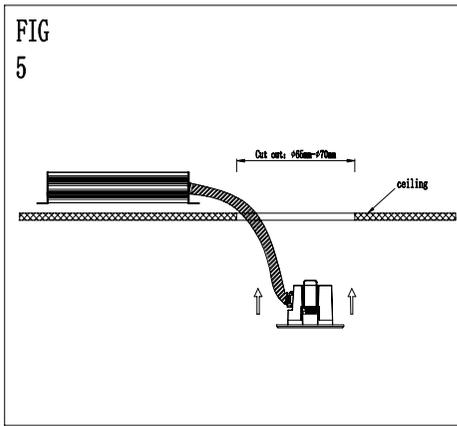
Model No.	LF-ELDR1&LF-ELDR2
Rated voltage	DC 36V
Input Current	130mA
Input Ratings	4.65W
Emergency Output Ratings	2.6W
Battery	LiFePo4 3.2V 3000mAH
Battery Life	up to 5 years
Charging time	24H
Discharge time	180 mins
Correlated Color Temperature	6000-7000K
Light Source	LED_SMD
Light source parameters	DC6.0V(5-6.5V)
Luminous flux	≥300Lm
Operation Mode	Maintained/Non-Maintained
Use environment	Dry and Damp Locations
Operating Temp Range	0°C-40°C
Protection class	Class II
Dimensions	φ80*50.5mm
Warranty	5 years

## Overview

- LF-ELDR1 LF-ELDR2 Central Monitoring Emergency Lighting is an emergency luminaire using LED as its light source. This lamp needs to be used in conjunction with our company's Central Monitoring system. Its characteristics are:
1. With working status reporting function
  2. Remote command control, light on, light off function
  3. Circuit short-circuit self-recovery protection;
  4. Since LED is used as the light source, the energy consumption is extremely low.
  5. Emergency conversion has no mechanical contacts and reliable performance.
  6. Provide a constant output current for the LED, so that the emergency state brightness always keep constant
  7. Network intelligent analysis module;
  8. With complete self test function;
  9. LED light source, main power conversion to emergency function
  10. Maintained/Non-Maintained conversion function
  11. Battery charging indicator
  12. Load open and short circuit indicator to report fault
  13. Battery open and short circuit indicator to report fault
  14. Emergency simulation manual test button
  15. Battery overcharge and overdischarge protection function

## Installation instruction diagram:





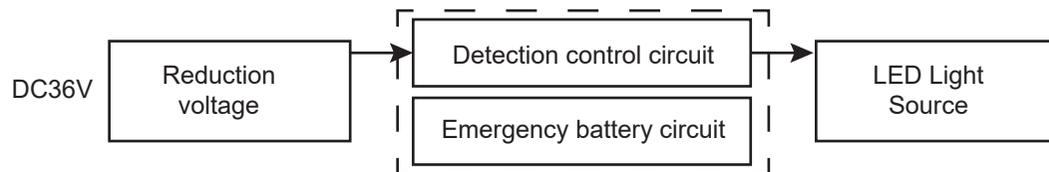
## Installation method

1.  $\text{Ø}65\text{mm}-\text{Ø}70\text{mm}$ /Drill the installation hole on the mounting surface, Cut-out size:  $\text{Ø}65\text{mm}-\text{Ø}70\text{mm}$
2. Open the metal drive box, as in Fig1.
3. Connect the L & N wires and ground wires with connectors, as in Fig2.
4. Cover the metal drive box, as in Fig3.
5. Insert the metal drive box in the hole, as in Fig4, Then flip up the spring and push the luminaires into the mounting hole as in Fig5.
6. Finish the installation as in Fig 6.
7. LF-ELDR1 LF-ELDR2 shall be marked "Max. mounting height: 8.2ft (2.5 m)" or the equivalent.

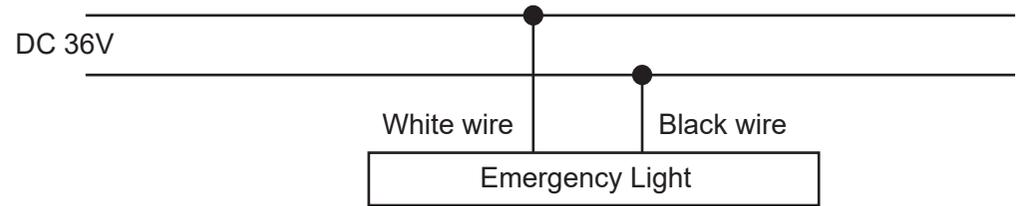
## State description

1. When the battery is charged in the state of main power (DC36V), the green indicator light flashes slowly; when the battery is fully charged, the green indicator light is steady on; when the battery is open, the red indicator light flashes slowly.
2. Manual simulation test: In the main power state, press and hold the test button to switch to the emergency function, the green indicator light off, release the test button to restore to the main power state; press the test switch twice, the green indicator light flashes quickly, the lamp is transferred to the simulated monthly inspection emergency function, and the main power state is automatically restored after 25-35 seconds of emergency; Press the test switch three times, the green indicator light flashes quickly, the lamp is transferred to the simulated half-year inspection (180 days) emergency function to the end of the discharge, and the main power state is automatically restored after the emergency time is not less than 30-35 minutes. (if the emergency does not reach the emergency time or the red indicator flashes, report a fault)
3. Under the normal emergency state, press the test button for 3-5 seconds to turn off the emergency function (0V enable).
4. Self-locking P4 switch M-K short circuit is Maintained mode, N-K short circuit is non-maintained mode

## Circuit schematic diagram:



## Lamp wiring diagram



## Maintenance:

1. Non-professionals should not disassemble the lamps to prevent accidents.
2. If the lamp fails, please contact the manufacturer in time.

## Failure analysis and elimination:

1. When the control panel couldn't find the lamp, check whether the communication circuit is connected normally;
2. During use, if the brightness of the LED is less, replace emergency lamp.

## Transportation and storage:

1. The Emergency light should be stable and firm during transportation, to avoid damage to the product and packaging due to collision during driving, and should be gently lifted during loading and unloading, and should not knock, drop, or pry.
2. The Emergency Light should be placed in a dry and ventilated place during storage, avoiding contact with corrosive substances and necessary measures for moisture, sun, rain, and anti-corrosion.

## Packing List:

1. Central Monitoring Emergency Light 1pcs
2. Manual 1pcs



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.