



# ALL IN ONE EXIT SIGN-ERDV

## Feature

- Supply Voltage:220-240VAC 50/60Hz
- Insulation Class: II
- Ingress Protection:IP20
- Emergency Duration: 3hours
- Battery 3.2V 600mAh LiFePO4
- Battery Recharge Time: 24h
- Max Battery Temperature:60°C
- Ambient Temperature:0-40°C
- Visual distance: adhesive type 25m and snap type 26m
- Charge indicator:Green LED
- Deep Discharge Protection DDP
- Assembly indoors to flat surface
- Polycarbonate body,and legend
- Maintained Operation/Non-maintained Operation
- Charging on Stock: Once in six months

## Self-test Introduction

### Indicator LED

System status is locally by a bi-color indicator LED.

LED Indication	Status	Commentary
Permanent green	Standby, System OK	Mains Operation, battery is charged
Fast flashing green (0.25s on-0.25s off)	Function test underway	Function test underway
Slow flashing green (1 s on - 1 s off)	Duration test underway	Duration test underway
Permanent Red	Lamp failure	Open Circuit or Short Circuit or LED failure
Fast flashing red (0.25 s on - 0.25 s off)	Battery capacity failure	Battery failed duration test
Slow flashing red (1 s on - 1 s off)	Battery fault	Incorrect battery voltage or Short Circuit or Open Circuit
Green and red off	Battery Operation	Emergency mode: Mains disconnected or Mains failure

## Description

Item Code	Mode	Batteries	EM Power	CCT	Emergency time	Function
ERDV-MM1W13BS-3H-LI	Exit Sign	3.2V 600mAh LiFePO4	1W	5700-6500K	3h	Maintained
ERDV-NN1W13BS-3H-LI	Exit Sign	3.2V 600mAh LiFePO4	1W	5700-6500K	3h	Non-maintained
ERDV-MM1W13ST-3H-LI	Exit Sign	3.2V 600mAh LiFePO4	1W	5700-6500K	3h	Maintained
ERDV-NN1W13ST-3H-LI	Exit Sign	3.2V 600mAh LiFePO4	1W	5700-6500K	3h	Non-maintained

- 1.All specifications are typical on the 230VAC unless otherwise stated.
- 2.The emergency function test must be performed when a battery is fully charged for 16 hours.
- 3.Do stockip:The best charging time II be once in 6 month with 24 hours for each time.
- 4.Legend's arrow: LEFT,RIGHT,UP,DOWN---single side or double sides printing.
- 5.The battery should be changed when the battery be failed on charging's ability.

## Important:

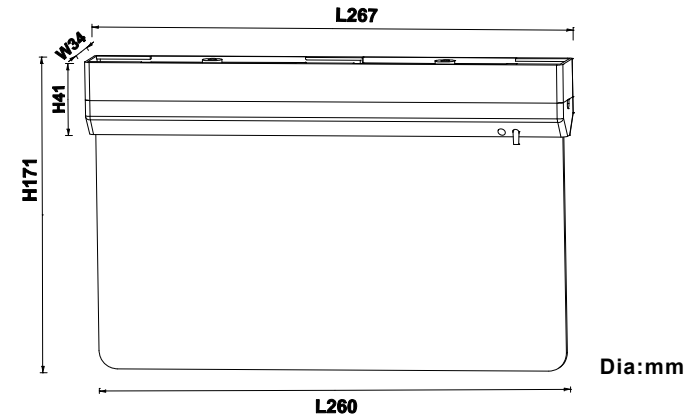
It is recommended that the unit is installed by a competent person ensuring the installation complies with the necessary standards.

The company accept no responsibility for incorrect installation, operation or maintenance.

After installation of the fitting, the battery must be charged for 24 hours.

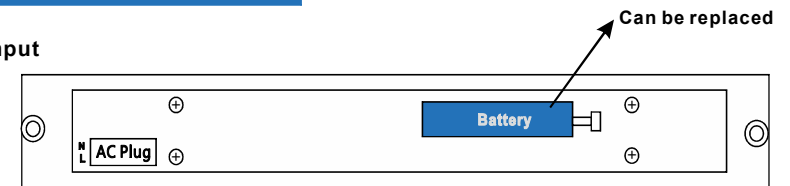


## Dimensions



## Connections

### •AC Input



### •Adjustment



For CN2 connector:

- 1.Maintain mode: short-circuit plug on pin 1,2
- 2.Nomaintain mode: short-circuit plug on pin 2,3

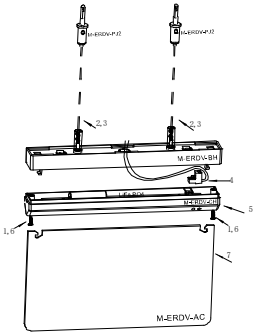
## Mounting Accessories

Item Code	M-ERDV-PJ1	M-ERDV-QRS	M-ERDV-PJ2	M-ERDV-PJ3
Accessories' Images				



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## Mounting Options

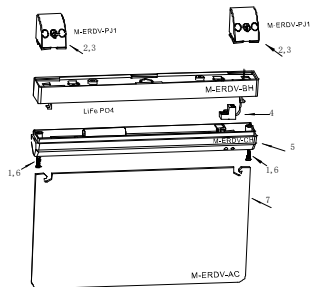
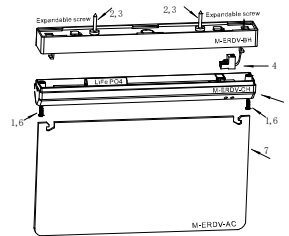


### Suspended mounted

- Step "1": Take the screws from the bottom of M-ERDV-CH
- Step "2": Fix the M-ERDV-PJ2 with the base of the ERDV and ceiling
- Step "3": AC wires input from the ERDV's base
- Step "4": Fix the M-ERDV-BH and the M-ERDV-CH with screws
- Step "5": Fix the M-ERDV-AC with the ERDV

### Ceiling mounted

- Step "1": Take the screws from the bottom of M-ERDV-CH
- Step "2": AC wires input from the ERDV's base
- Step "3": Drill through the ERDV's base on the wall with expendable screw
- Step "5": Fix the M-ERDV-BH and the M-ERDV-CH with screws
- Step "5": Fix the M-ERDV-AC with the ERDV

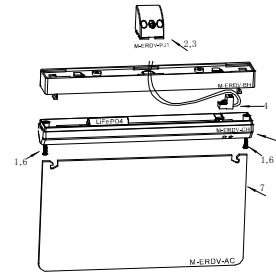
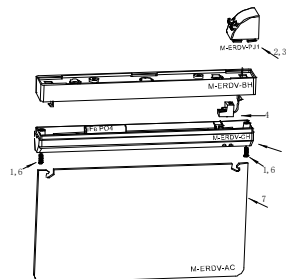


### Parallel mounted

- Step "1": Take the screws from the bottom of M-ERDV-CH
- Step "2": AC wires input from the ERDV's base or from the M-ERDV-PJ1
- Step "3": Two of M-ERDV-PJ1 slides into the M-ERDV-BH
- Step "4": Fix the M-ERDV-BH and the M-ERDV-CH with screws
- Step "5": Fix the M-ERDV-PJ1 on the wall with screws
- Step "6": Fix the M-ERDV-AC with the ERDV

### Perpendicular mounted

- Step "1": Take the screws from the bottom of M-ERDV-CH
- Step "2": AC wires input from the ERDV base or from the M-ERDV-PJ1
- Step "3": One of M-ERDV-PJ1 slides into the M-ERDV-BH
- Step "4": Fix the M-ERDV-PJ1 on the wall with screws
- Step "5": Fix the M-ERDV-BH and the M-ERDV-CH with screws
- Step "6": Fix the M-ERDV-AC with the ERDV



### Wall mounted

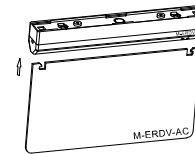
- Step "1": Take the screws from the bottom of M-ERDV-CH
- Step "2": AC wires input from the ERDV's base or from the M-ERDV-PJ1
- Step "3": One of M-ERDV-PJ1 slides into the M-ERDV-BH
- Step "4": Install the M-ERDV-PJ1 on the ceiling with screws
- Step "5": Fix the M-ERDV-BH and the M-ERDV-CH with screws
- Step "6": Fix the M-ERDV-AC with the ERDV

### Recessed mounted

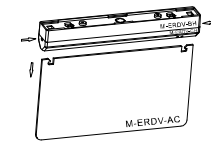
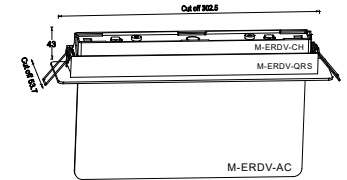
- Step "1": Take the screws from the bottom of M-ERDV-CH
- Step "2": AC wires input from the ERDV's base
- Step "3": Fix the M-ERDV-BH and the M-ERDV-CH with screws
- Step "4": Put M-ERDV-CH into M-ERDV-QRS
- Step "5": Fix the M-ERDV-AC with the ERDV
- Step "6": Install the ERDV with recessed mounting

The hole's size for recessed mounting option: 302.5\*53.7\*43

### Fixing the legend



- Step "7": Put the M-ERDV-AC into the bottom of M-ERDV-CH



- Step "8": Change the Arrow Legend  
Use the screwdriver to loosen the arrow legend from the two sides wholes(M-ERDV-CH), if changing the arrow legend

## Additional guidelines

Ensure correct polarity of the battery

The drawing in the fitting may vary to the actual product, connect as per label on fitting.

When fitting a flush fitting, refer to installation instruction, including any ceiling manufacturer's instructions.

### Functionality of the test switch

- 1) A short press (> 1s) on the button start a function test lasting 5 seconds (The battery's capacity should be more than than 5% = charging 30mins)
- 2) Holding down the button (> 10s) resets the timer (System-resets)

### Functional test

The 5 second long, each 7 days' function test serves to check the functionality of the emergency unit, the batteries and LED module.

### Duration test (EU) 3hrs

- Initial duration test: The test will be carried out exactly 24 hours later after the initial installation.
- Half year duration test: The test will be carried out on each rando 180-182 days.

### NOTICE

Fault status:

If an error is detected, the indicator LED switches to RED. If the error has been corrected the indicator LED immediately switches back to GREEN when mains power on.

### NOTICE

Battery failed duration test:

After an exchange of the battery and holding down the button (> 10S) reset the timer, the indicator LED switches to GREEN.