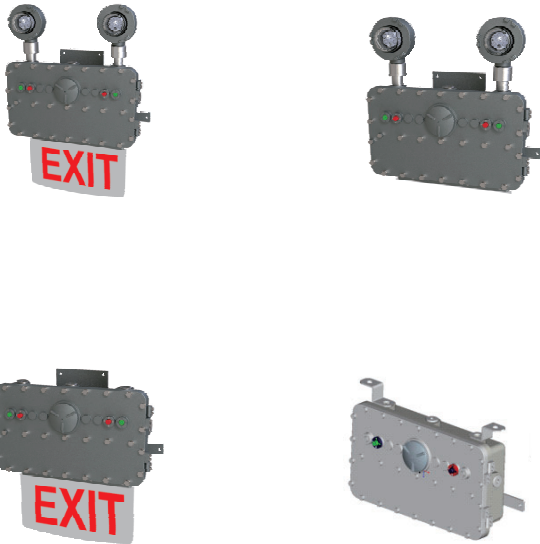




Explosion Proof

LED Exit Light



Materials

- ★ Housing: A360 Die-casting aluminum
- ★ Indicator: Tempered glass
- ★ Bolts: Stainless steel
- ★ Mounting Sling: Stainless steel
- ★ Sign panel: Resistant Acrylic

Key Features

- High durability and reliability.
- Label content customizable.
- Low working wattage for energy saving.
- High leakproofness up to IP66.
- 3/4 " or M25 NPT conduit hubs.
- Pendant, wall and end bracket mounts provide universal installation options.
- Acrylic sign panel makes cleaning easy.
- Hinged-access door.
- Optics beam angle can be wide and narrow.
- Various languages and Exit signs available.
- Can be used outdoors.
- Edge-lit sign .

Explosion Protection

Marking UL844 (North American)	Class I, Division 1, Groups C, D Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III
Marking Marine	UL924, UL 1598A
NFPA Life Safety Code No.	101-1991
Other Rating	IP 66

Applications

Oil and Gas industry

- ★ All petroleum production and refining
- ★ Petroleum loading and transportation
- ★ Petroleum storage and retail
- ★ LNG industry
- ★ All mining operations and service

Chemical industry

- ★ All types of paint facilities
- ★ Chemical production and storage

Metal treatment

- ★ Steel and aluminum factories
- ★ Pumping stations in any environment
- ★ Metal smelting, foundry and fabrication

Food and alcohol industry

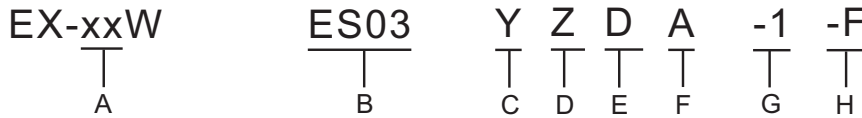
- ★ Flour and fine particle production and storage
- ★ Food and distilling production
- ★ alcohol industry

Other high humidity, high dust, high temperature, vapor locations

Value-Added Features

- 10kv surge protection.
- Emergency back up battery for Exit sign and spot light for contingency period of 180 minutes .
- Customized motion sensor (Option).
- Long lifespan up to 50,000 hours.
- Two top bright spot light can be adjusted in horizontal and vertical directions.
- LED circuit board and driver can be replaced in field easily.

Nomenclature



A

Power
1W-10W

C

Category
A1: Battery Back Up+Luminaire
A2: Battery Back Up+Luminaire+Exit Sign
A3: Battery Back Up+Exit Sign
A4: Junction Box or Emergency Back Up Box
C1: Battery Back Up+Luminaire
C2: Junction Box or Emergency Back Up Box

E

Color
R: Red
G: Green
Y: Yellow

F

Marks
A: EXIT F: ↘ 充 K: EXIT 充 →
B: ← 充 G: ↙ 充
C: 充 ↑ H: 充 ↗
D: 充 → I: 充 ↘
E: 充 ↓ J: ← 充 EXIT

B

Series No.
ES03

D

Dimming Function
D: Dimmable
N: Non Dimmable

G

Optional
1: Made in USA
Blank: Made in other countries


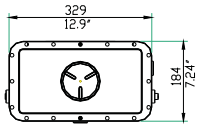
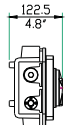

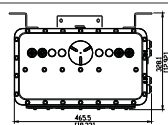
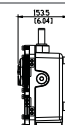
H

Optional
F: food field
Blank: Other fields


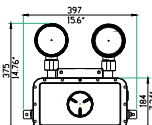
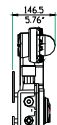

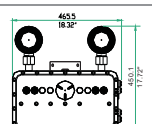

Ordering Details

Unit: mm (inch)


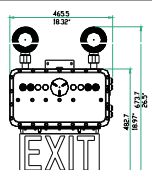
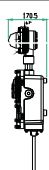
Type YJ: Junction Box and Emergency Battery back up box

Type	Model Number	Input
   Model C	EX-PD61-YJ01 ES03C2	Max 800 VAC Currency Cable Cross Section: 2.5mm ² 24A Cable Cross Section: 4.0mm ² 32A Cable Cross Section: 6.0mm ² 41A Cable Cross Section: 10mm ² 57A Cable Cross Section: 16mm ² 76A Cable Cross Section: 35mm ² 125A Cable Cross Section: 70mm ² 192A Cable Cross Section: 240mm ² 400A
   Model A	EX-PD61-YJ01 ES03A4	

Type 1: Battery Back up+Luminaire (two pieces of spot light)

Housing	Model Number	Wattage(W)	Lumens	Input
   Model C	EX-3W ES03C1N50	3W	390	AC100-277V by driver and by IC DC12-48V
	EX-5W ES03C1N50	5W	650	
	EX-10W ES03C1N50	10W	1300	
   Model A	EX-3W ES03A1N50	3W	390	
	EX-5W ES03A1N50	5W	650	
	EX-10W ES03A1N50	10W	1300	

Type 2: Battery Back Up+Luminaire+Exit Sign

Housing	Model Number	Wattage(W)	Lumens	Input
   Model A	EX-3W ES03A2N50	3W	390	AC100-277V by driver and by IC
	EX-5W ES03A2N50	5W	650	
	EX-8W ES03A2N50	8W	1040	DC12-48V
	EX-10W ES03A2N50	10W	1300	

Type 3: Battery Back Up+Luminaire+Exit Sign

<p>Model A</p>	Housing	Model Number	Wattage(W)	Lumens	Input
	Model A	EX-3W ES03A3N50	3W	390	AC100-277V by driver and by IC
		EX-5W ES03A3N50	5W	650	
		EX-8W ES03A3N50	8W	1040	DC12-48V
EX-10W ES03A3N50		10W	1300		

Installation Manual

WARNING

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING. KEEP THIS INSTRUCTIONS FOR FUTURE REFERENCE. Fixtures must be wired in accordance with the National electrical code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDOUS INVOLVED.

Warning: Risk of fire or electric shock. Exit light installation requires knowledge of luminaires and electrical systems. DO NOT open the enclosure when energized. DO NOT try to install if not qualified. Please contact a professional electrician.

Warning: Risk of fire or electric shock. Suitable for wet locations. Make sure the power is off prior to installation.

Warning: Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.

Warning: DO NOT install in unstable, loose or breakable surfaces.

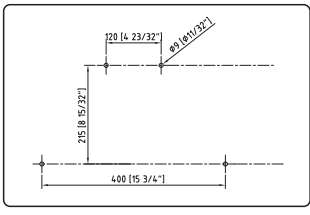
Warning: DO NOT let objects impact or exert force on the surface of the fixture.



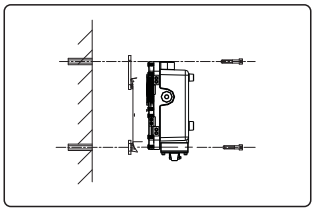
WARNING
Risk of fire, Electric shock or personal injury
Please turn off power before installation!

Wall Mount with Bracket

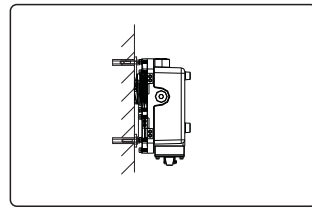
Type YJ



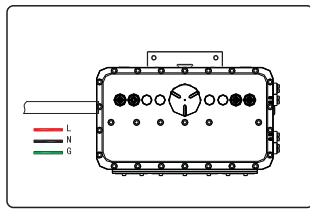
1. Drill 4 x holes (Ø9mm) as above drawing.



2. Install 4 x M8 expanded screws to fix device.

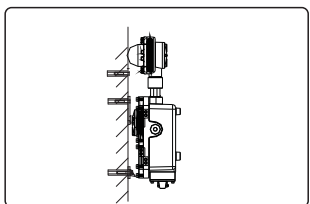


3. Tighten 4 x the screws.

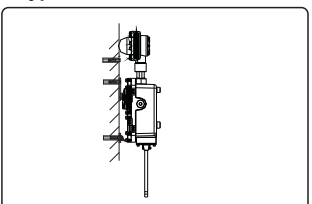


4. Wiring the cable as white to L, black to N, green to G.

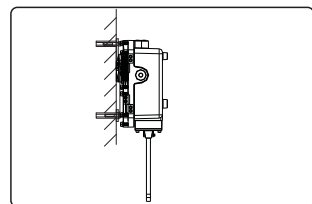
Type 1



Type 2

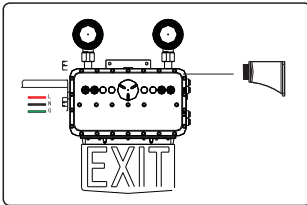


Type 3

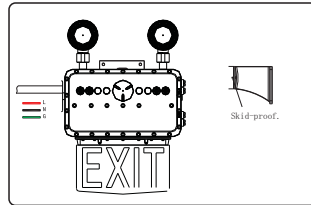


Wall Mount with Arm from Side

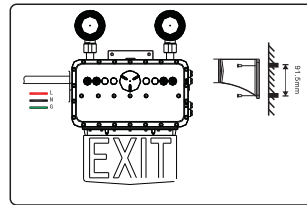
Type A2



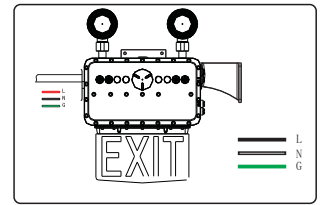
1. Tighten the arm to the fixture.



2. Tighten the screw of skid-proof.

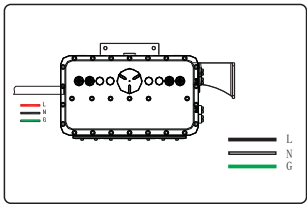


3. Drill 2x holes(Ø10mm) for arm.

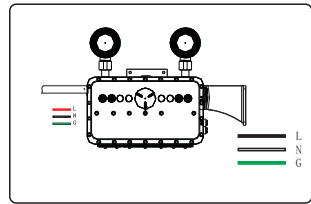


4. Wiring the cable as white to L, black to N, green to G.

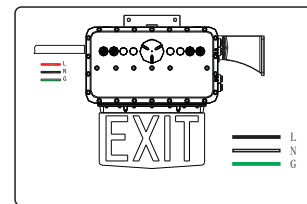
Type YJ



Type A1

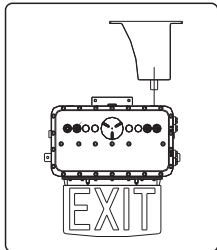


Type A3

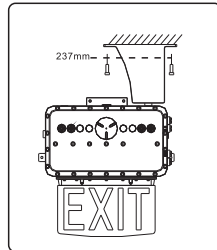


Wall Mount with Arm from Top

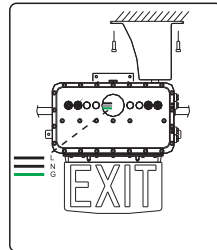
Type A3



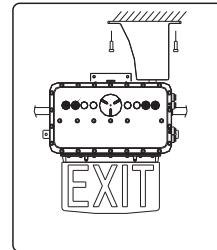
1. Tighten the arm to the fixture.



2. Drill 2x holes(Ø10mm) for arm.

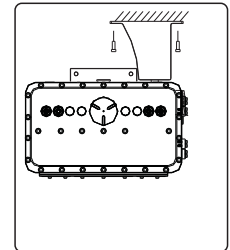


3. Wiring the cable as white to L, black to N, green to G.



4. Close the cap of screw.

Type YJ



Accessories



- Model: Ex-Junction01
Name: Junction Box
Material: Aircraft Aluminum A383



- Model: EX-Hook
Name: Installation Hook
Material: Aircraft Aluminum A383



- Model: Ex-Conduit01
Name: Metal Conduit
Material: Stainless Steel and Aluminum



- Model: EX-SPipe
Name: Winding Swing Pipe
Material: Iron with Power Coating



- Model: Ex-90JSupport
Name: 90° Arm to Junction box
Material: Aircraft Aluminum A383



- Model: Ex-25JSupport
Name: 25° Arm to Junction box
Material: Aircraft Aluminum A383



- Model: Ex-Arm
Name: Mounted Arm
Material: Aluminum



- Model: Ex-Chain
Name: Pendant Chain
Material: Stainless Steel S30400