INSTALLATION INSTRUCTIONS FOR LED EXIT SIGN

Model No.:ESA10

CE □ F̲ IP20 30m

330mm

45mm

248mm

Product Feature

Power Supply	: 220-240VAC, 50/60 Hz	Emergency Duration	: 1 Hour / 3 Hours
Power Consumption	: Max. 3.5W	Protection Class	: II
Ambient temperature	: -5°C...+45°C	IP Rating	: IP20
Charge Time	: 24 Hours	Function	: AUTO test and Manual test
Operation	: Maintained	Installation	: Wall mount or Ceiling mount
	and Non maintained	Viewing distance	: 30m

Precautions

This product should be installed by a registered electrician in accordance with local standards and electrical regulations. Take care to ensure the mains supply is isolated before installation.
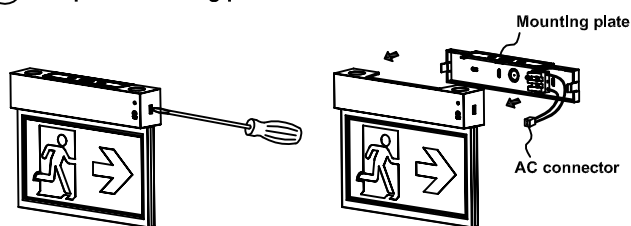
Service & Operation

Normal Operation: The green indicator light on the front of the unit stays on. The indicator will go out if the mains supply fails, the internal charger malfunctions, or the unit in test mode.

Battery: Sealed Ni-Cad or Ni-Mh rechargeable battery pack. Battery should be replaced when the required duration is no longer achieved. To avoid any damage to the fixture and ensure its performance, the battery should be replaced with same brand and type.

Test Switch: Press the test switch buttom, LED indicator will go out and the sign will be illuminate from its battery pack.
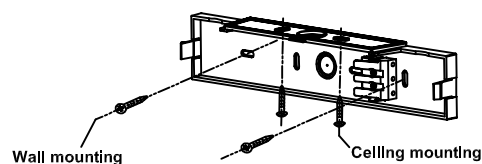
Mounting Instructions

① **Dispart mounting plate**

Mounting plate

AC connector

ⓐ Insert flat screwdriver into slot on side of unit, pry off and remove the mounting plate from unit.
ⓑ Disconnect AC connector from PCBA.

② **Wall mounting or Ceiling mounting**
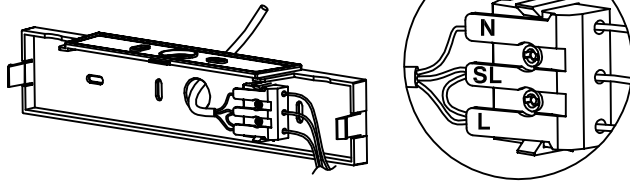

Wall mounting   Ceiling mounting

ⓐ Knock out appropriate center cable entry hole and mounting screw hole on the mounting plate.
ⓑ Route AC supply wire through center hole of mounting plate.
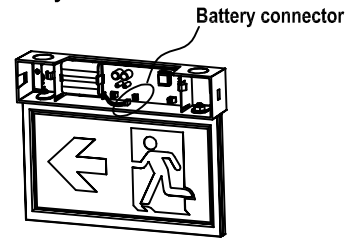ⓒ Fix mounting plate on the mount surface with screws and anchor nuts.
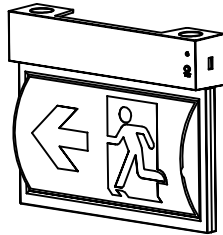
③ **Wiring connection**

Suitable cable 0.75-2.5mm²

Connect the AC supply wire to terminal block. Refer to wiring instruction showed below.
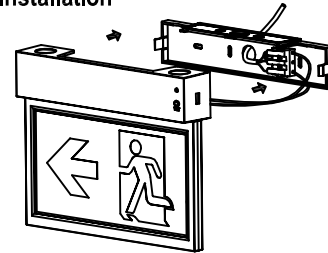
④ **Connect battery**

Battery connector

Connect battery male and female connector inside of mounting bracket.

⑤ **Change pictogram when necessary**

Remove the pictogram on the unit, select other pictogram you need then insert into slot of panel.
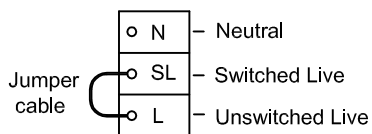
⑥ **Finish installation**

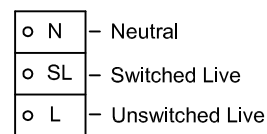Snap AC supply on PCBA and then snap fixture to mounting plate.

Wiring Instructions

Maintained Wiring

N	– Neutral
SL	– Switched Live
L	– Unswitched Live

Jumper cable

Maintained (default operation):
Connect L,N and leave jumper cable connected.

Non-Maintained Wiring

N	– Neutral
SL	– Switched Live
L	– Unswitched Live

Non-maintained:
Connect L,N and remove jumper cable.

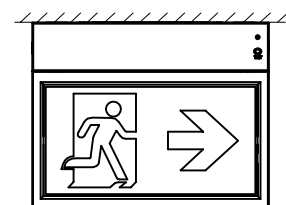## Pictogram Styles

LUPG31

LUPG32

LUPG33

Mounting Options

Wall mounting

Ceiling mounting

Technical Information

Model Number	Input Voltage	Charge Duration	Discharge Duration	Battery	Power Consumption	LEDs
ESA10/1H/MT(AT)	220-240V~ 50/60Hz	24h	1 h	Ni-cad or Ni-Mh 3.6V 0.6Ah	3.5W Max.	SMD 2835 14 pcs
ESA10/3H/MT(AT)	220-240V~ 50/60Hz	24h	3 h	Ni-cad or Ni-Mh 3.6V 0.9Ah	3.5W Max.	SMD 2835 14 pcs
ESA10/3H/DA	220-240V~ 50/60Hz	24h	3 h	Ni-Mh 3.6V 2.0Ah	3.5W Max.	SMD 2835 14 pcs