INSTALLATION AND OPERATING INSTRUCTIONS
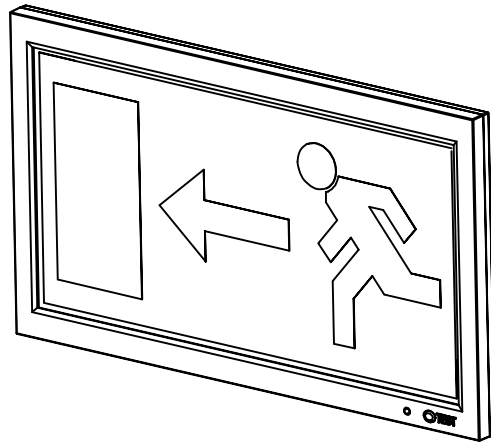
MAINS POWERED BATTERY BACK UP EXIT SIGN

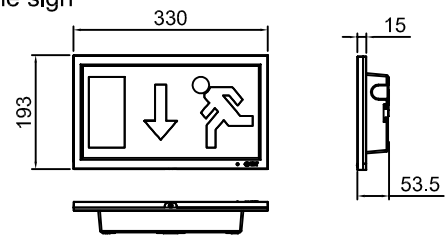| EN60598-1	EN61000-3-2	EN62031	EN61347-1
EN60598-2-22	EN61000-3-3	EN62471	EN61347-2-13

CE   IP20   □   F   30m

GENERAL INFORMATION

This product is a fully self contained illuminated exit sign.It has an inbuilt battery,battery charger,controller and test button.The LED light source provides low power consumption and long lift. The acrylic
panel is printed with a dot matrix lens effect pattern and overlaid with a polypropylene
diffuser to provide high brilliance and even illumination over the full surface of the sign

TECHNICAL DATA

Power Supply   : 220-240VAC, 50 Hz
Power Consumption   : Max. 4W
Maximum Surface Temp : 35°C
Ambient operating Temp : 0°C-25°C
Panel   :Acrylic board with imprinted dot matrix lens diffusion

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.Check the unit label for correct supply voltage and frequency.
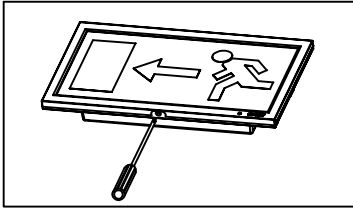
SERVICE & OPERATION

Normal Operation: The green indicator light on thd side of the unit stays on. The LED will go out if the mains supply fails,if the internal charger malfunctions, or if the unit is in test mode.
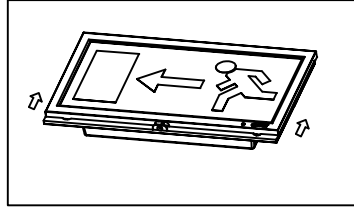
Battery: Sealed Ni-Cad&Ni-Mh rechargeable battery pack. Batteries of a different type must not be used. Battery's should be replaced by authorized service personnel only.If the unit no longer maintains its rated battery backup test times. Should only be replaced by competent service personnel with manufacturers battery pack. Old Battery's should be recycled.

Test Switch: If pressed the unit LED indicator light will go out and the sign will operate from its battery supply.
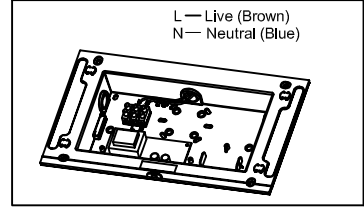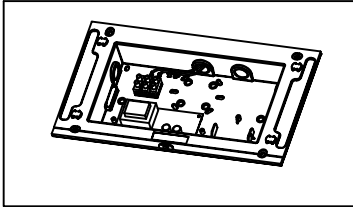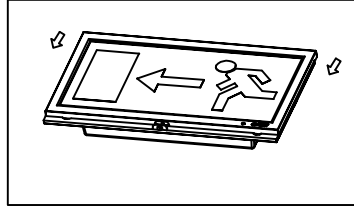
INSTALLATION

① Remove face panel screw

② Press face panel to top position and pull out face panel

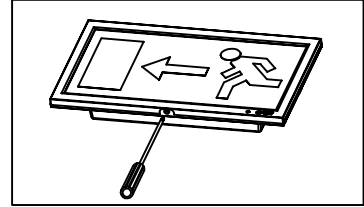L — Live (Brown)
N — Neutral (Blue)

③ Feed the power cable in through the knock out hole and connect to terminal block

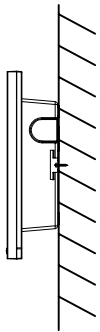④ Fix mounting bracket to wall

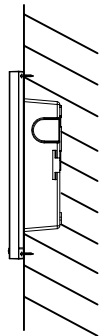⑤ Connect the battery and Install front panel facia

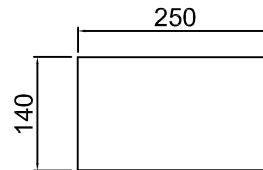⑥ Screw face panel in place

MOUNTING OPTIONS

Wall surface mount

Wall flush mount

Recessed dimension for flush mounting

250
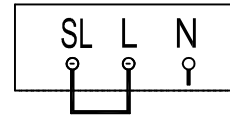
140

LEGEND STYLES

LUPG4X

LUPG3X

Maintained and Non maintained operation:

Jumper cable

SL   L   N

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

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

TECHNICAL INFORMATION

Model Number	Input Voltage	Charge Duration	Discharge Duration	Battery	Power	LED	Viewing Distance	Lumen ouput after discharge duration
ESA05/1H/MT(AT)	220-240V~ 50Hz	24h	1 h	Ni-MH,3.6V 600mA Ni-Cd,3.6V 600mA	4W	SMD3528, white 14pcs	30M	8.86 lm
ESA05/3H/MT(AT)	220-240V~ 50Hz	24h	3 h	Ni-MH,3.6V 1000mA Ni-Cd,3.6V 1000mA	4W	SMD3528, white 14pcs	30M	8.47 lm

(EXIT LIGHT SELF DIAGNOSTICS/SELF TEST FUNCTION)

1. **Install LED exit sign according to installation instruction sheet**

2. **Once the unit is powered up it will automatically initiate a self test and diagnostics as follows:**

   - Every 4 seconds : Checks for battery disconnection, charger board fault, lamp failure and transformer failure

   - Every month : Performs a 3 minute duration test

   - Every year : Performs a 1 Hour or 3 Hour duration test

   All test functions are factory preset and do not need field adjustment

3. **Dual Colour Indicator LED Status Meanings**

   - Green   Solid On   Ready / Normal Operation
                          Flashing   Testing

   - Red   Requires Service

●	One flash, 4 second pause	Battery not connected
●●	Two flashes, 4 second pause	Battery short or low battery voltage
●●●	Three flashes, 4 second pause	Charger board fault
●●●●	Four flashes, 4 second pause	Transformer fault
●●●●●	Five flashes, 4 second pause	LED lamp fault

   NOTE
   After repairing a service fault, press and hold the test button for 2 seconds to reset the flashing indicator light to green

4. **Manual Testing**

Press test button once	30 second duration test
Press test button twice within 2 seconds	3 minute duration test
Press test button 3 times within 2 seconds	30 minutes duration test
Press test button 4 times within 2 seconds	1 or 3 hours duration test