



Technical Specifications

Mode of Operation	Maintained
Operation Temperature	10 to 50°C
Input Voltage	220 - 240 VAC / 50Hz
LED Lamp Power	10W
Color Temperature	6500K - 7000K
Battery Type / Capacity	Lithium Iron Phosphate (LiFePO4) 3.2V-2000mAh
Protection Features	- AC, DC Fuse - Battery Low Voltage Cut-Off - Surge Protection
Testing Systems	- Auto Check - Auto Test - Remote Test
Charging Method	3 Steps Charger System
Charging Period	10-15 Hrs
Backup Time	3.0 Hrs
Housing	Stainless Steel Grade 304
Dimensions (L x W x H)	450 x 80 x 230 mm
Weight	3.65 Kg
Degree of Protection	IP66
Mounting	Surface Wall
Viewing Distance	24 M (Pictogram Height 10 CM)
Accessory	Infrared Remote Control (RT-S4)
Standards / Compliance	- TIS.1955-2551 - ISO9001 - CE

Product Overview

Emergency Exit Sign, model EXST-S6LED/S (single-sided), designed for wall-mounted installation. The light source utilizes SMD LED, Low Power High Lumen type, with SMT technology, providing higher energy efficiency than conventional fluorescent systems and extended service life. The unit is equipped with an ECO Mode energy-saving function, reducing power consumption during standby and backup operation by approximately 50%, while maintaining illumination in compliance with TIS 2430-2552 and EIT 021004-22. The panel is made of high-quality acrylic with excellent light diffusion properties, ensuring uniform illumination across the entire surface. The housing is constructed from stainless steel grade 304, treated for protection against dust and water spray, and tested by the Electrical and Electronics Institute in accordance with the IP66 protection standard.

Features

Bulb

- Highly efficient and super bright 10 Watts LEDs provides maximum brightness while saving on power consumption. It also offers long operational life of more than 50,000 hours.

Battery

- Use Lithium Iron Phosphate (LiFePO4) 3.2V-2000mAh, backup power for 3 hours. It has the advantages of light weight, long service life and high power. It also causes less pollution.

Functions

- Auto Check for key components abnormalities such as the battery, bulbs, fuses, lighting circuits, and battery charging system (patent number 21778)
- Auto Test schedule: 1 month every 60 seconds, 1 year every 120 minutes (according to standard EIT.021004-22), activate and deactivate functions with a remote control.
- A 30-minute, 60-minute or 120-minute self-test can be performed on the unit using the remote.
- ECO Mode, an energy-saving system that helps reduce power consumption by approximately 50% during standby and backup, while maintaining sign luminosity levels in accordance with TIS and EIT standards.

Circuit Systems

- Controlled by an 8-bit microcontroller circuit.

Protection Features

- AC and DC fuse to prevent current overload.
- Surge Protection.
- IP66 dust and water resistant.

Features to Extend Battery Life

- An innovative 3 Steps Charger System.
- A Low Voltage Cut-Off to prevent the battery from draining completely.

Warning Systems

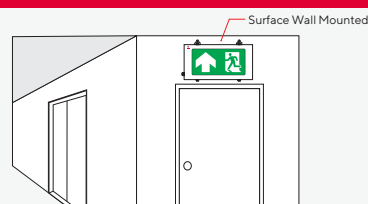
- An LED will blink 3 times every 15 seconds to indicate that the system performs an automatic battery test (Auto Test) and detects that the backup lighting emergency duration is less than 120 minutes (Battery Fail).
- An LED will blink 4 times every 15 seconds to indicate that there is a problem charging the battery (Charging Fail).
- An LED will blink 5 times every 15 seconds to indicate that an abnormality in the lighting system (Lighting Fail)

Indicators



- | | |
|-----------------|--|
| LED AC | ► Indicates that the unit is receiving a power supply |
| LED Charge/Full | ► Indicates that the unit's battery is charging /
Indicates if the unit is performing a self-test using remote control 120-minute |
| IR | ► Infrared signal receiver |
| LED On/Test | ► Indicates that the unit is receiving a power /
Indicates if the unit is performing a self-test /
Indicates if the unit is performing a self-test using remote control 30-minute or 60-minute |
| LED Fail | ► Indicates there is a problem with the battery |

Installation



Dimensions (mm)

