



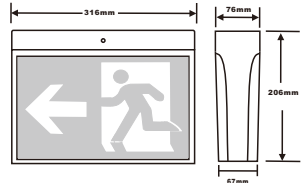
INSTALLATION AND OPERATING INSTRUCTIONS **SURFACE MOUNT LED EXIT 24m (SP-2001WH/SP2001BK)**

APPLICATION



During **normal** operating conditions, This LED Exit Light should be connected to a **Permanent Active Circuit (not a switched active circuit)**. When mains power supply is available, AC provides power and charges the built-in rechargeable batteries. The fitting is lit up when mains power is available, when mains power fails and/or is disconnected, the fitting is lit up by the battery-operated inverter (DC Mode).

TECHNICAL DATA

1. Input voltage: 220-240V, 50/60Hz
2. AC Power consumption: 3w
3. Charge time: 16 Hours
4. Emergency time: 2 Hours
5. Operation: Maintained operation
6. Function: Manual Test Switch & LED Indicator
7. Working temperature: 0°C to 40°C
8. Battery: NI-MH Battery
9. Mounting: Ceiling Mount / Wall mount
10. IP rating: IP20
11. Material: Plastic & PMMA
12. Classification: 24m



Series product appearance unified. The functions of each MODEL is similar. Please refer to the following table.

Battery type:	
NI-MH: 4.8V 1200mAh	
Max Ambient temperature: 60°C	
Installed date:	
Manufactured date:	
Used date:	

PLUG IN BATTERY BEFORE CONNECTING 240V POWER SUPPLY

SP-20xx-yy series

Charging mode: Max. 3W, 220-240 V 50/60 Hz, 20Im
 Emergency lighting mode: 4.8 V battery, 1W,
 Battery supply: 1200 mAh, 4.8 V d.c. Ni-MH
 Cl. II, IP20, ta 0 - +40°C, maintained, 2 hours duration

The "xx" in the type designation can be 01 or 02 or 03, indicating emergency luminaire has different appearance

The "yy" in the type designation can be "WH" or "BK", indicating the color of background of EXIT sign, see attachment:

yy=WH: the color of background of exit sign is green, also the color of plastic enclosure of luminaire is white
 yy=BK: the color of background of exit sign is black, also the color of plastic enclosure of luminaire is black

TECHNICAL INFORMATION

Model No.	Classification	Charging mode	Input Voltage	Charge Time	Discharge Time	Operation	Emergency Mode Battery	DC Power
SP-2001-WH	24M	3W	220-240V 50/60Hz	16 Hours	2 Hours	Maintained	NI-MH, 4.8V 1.2Ah	1W
SP-2001-BK	24M	3W	220-240V 50/60Hz	16 Hours	2 Hours	Maintained	NI-MH, 4.8V 1.2Ah	1W

SAFETY

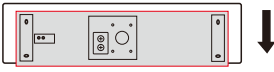
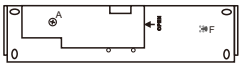
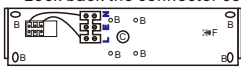
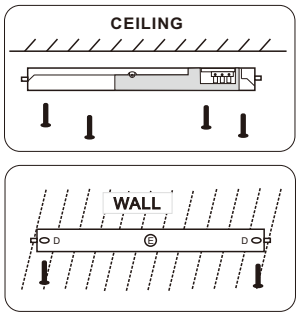
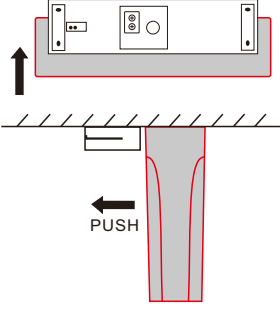
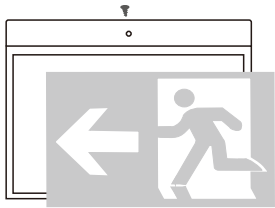
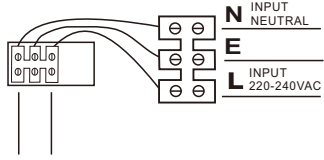
This is a mains powered product. Before installation or maintenance, please make sure power supply is isolated. If the external flexible cable of this luminaire is damaged, it should only be replaced by a licensed electrician or equivalent qualified person to avoid any safety hazards.

This luminaire is intended only for mounting in locations where the plug and sockets are protected from unauthorised disconnections.

PRECAUTIONS

A Licensed Electrician must only install this product. Please make sure the main supply is isolated before commencing installation. Check the unit labels for correct supply voltage and frequency.

INSTALLATION INSTRUCTIONS(SP-2001):

<p>Fig.1 Remove the mounting bracket.</p> 	<p>Fig.2 Open the connector cover.</p> 	<p>Fig.3 Connect the mains cables. Lock back the connector cover.</p> 
<p>Fig.4 Install the mounting bracket on the ceiling/wall.</p> 	<p>Fig.5 Lock the mounting bracket in the body.</p> 	<p>Fig.6 Fix the holding screw, insert decals into the diffuser.</p> 
<p>Fig.7 Electrical Connection.</p> 	<p>Fig.8: A Terminal housing screws B Ceiling mounted hole C Punch out 20mm hole for conduit entry D Wall mounted hole E Punch out 20mm hole for conduit entry F Holding screw</p>	

INSTALLATION INSTRUCTIONS

Fig. 1 Remove the mounting bracket from the body by sliding it from the frame towards you

Fig. 2 Remove the connector cover housing by undoing a small screw A.

Fig. 3 Connect the mains cable, please refer to the Fig.8 diagram and screw on the connector cover (fig 2)

Fig. 4 Install the mounting bracket on the ceiling / wall.

Ceiling: utilise the pre-punched 20mm conduit entry on top of the bracket(See C, Fig. 3). Use the provided fixing holes on top of bracket(See B, Fig. 3),drill 4 holes, fix the self-tapping screw through the ceiling mounted holes, then fix template on ceiling.

Wall: punch out a 20mm conduit entry prior to fixing.(See E, Fig. 4). Drill two holes, fix the self-tapping screw through the wall mounted holes.

Fig. 5 Plug in the battery. Then slide the body into place to lock the mounting bracket.

Fig. 6 Fix the holding screw, Insert the relevant decals panel to the outside frame of the diffuser.

If you have installed and connected the EXIT light as per the instruction contained within this manual and the light fails to work properly, please use the following table as a guide to fixing the problem.

FAULT	POSSIBLE CAUSES
Red LED is not lit	<ul style="list-style-type: none"> ▪ AC Supply is not connected ▪ AC Supply turned off ▪ Battery plug not connected to battery pack
Red LED is lit but the lamp does not light when the test switch is pressed.	<ul style="list-style-type: none"> ▪ Lamp is damaged ▪ Lamp is not inserted properly ▪ Battery pack is damaged
Lamp lights, but only temporarily, when test switch is pressed or when main power supply is turned off.	<ul style="list-style-type: none"> ▪ Battery pack not fully charged ▪ Battery pack is damaged

Test Switch

A Test Switch is provided to simulate a supply circuit failure. Press and Hold the test switch, the LED Chip will work in emergency mode. Release the Test Switch, the Exit Light will return to normal operation.

TESTING PRECAUTIONS

When this fitting is permanently connected to the mains supply you will need to charge the battery for 24 Hours. Once the battery is fully charged, you will need to conduct a manual discharge test as per the requirement of AS/NZS 2293. At the time of printing, the standard requires that new fittings operate in emergency mode for at least 2 Hours for their first discharge test.

Further tests are to be carried out at intervals of not more than 6 Months. It is important that you keep records of the initial test and ongoing tests in the building's emergency service log book. If the fitting is not to be permanently connected to the mains supply at the time of installation, you must give it the mandatory 2 Hours test when you connect it permanently to the mains supply.

MAINTENANCE

WARNING: Care should be taken when replacing the battery, because this lamp is powered by a battery and an operated inverter when disconnected from the mains supply.

Regular discharge duration to be checked in accordance with emergency lighting regulations.

REPLACING THE LED

The LED is non-replaceable.

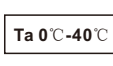
REPLACING THE BATTERY

- 1, Using only the battery recommended on the label found on the surface of the fitting. NO other battery will work in this fitting, other than the type listed.
- 2, Make sure the mains supply is isolated before commencing the replacement.
- 3, Remove the fitting from the bracket. Disconnect the battery from the lamp and if necessary, unscrew or untie the battery from its mounting position.
- 4, Then connect the new battery with the same specification. Connect the battery plug, place the bracket back to the fitting.
- 5, Reconnect with the mains supply, check if the fitting works normally.

BATTERY LIFE

The designed lifespan of the battery installed in this product is 2 Years, the battery should be replaced after this time. To maintain the economical life of this product it is required that the battery be discharged and/or replaced at least once every 6 Months. The battery life can be reduced if the battery is not discharged in accordance with requirements of AS 2293.

Regularly discharging/cutting mains power i.e. During Construction Stage, will SIGNIFICANTLY shorten the battery's lifespan and damage the battery. Product failure as a result from this practice is strictly NOT COVERED UNDER WARRANTY AND WILL AUTOMATICALLY VOID PRODUCT WARRANTY.



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