

### Testing precautions

Once the fitting is permanently connected to the mains supply, a commissioning discharge test as required in AS/NZS 2293.3 must be carried out. You will need to allow 24 hours for the battery to fully charge prior to conducting this test, presently (at the time of writing), the standard requires that fittings operate in emergency mode for a period not less than 2 hours for their commissioning test and for not less than 90 minutes thereafter (it is required that 6 monthly discharge tests be carried out). You will need to keep the records for the commissioning test and enter them into the building emergency services logbook or via other recording methods as allowed by AS/NZS 2293.3.

### Construction sites

Continuously switching off the mains power supply that is connected to emergency light fittings during the construction phase of an installation will cause these fittings to discharge and charge their batteries many times over a short period; this can shorten life of the battery. ABB does not recommend such practices and may not honour the warranty on batteries when they are subjected to such harsh operating conditions. Emergency light fittings are designed to be discharge tested once every 6 months as per AS/NZS 2293.2, subjecting the product to repeated discharge or charge cycles is regarded as an abuse of the fittings.

### Troubleshooting guide

If you have installed and connected the fitting as per the instructions listed earlier and it does not function correctly, use the following table as a guide to fixing the problem. Look up the type of fault in the left column and check the possible causes from the right column.

If the fitting still does not work after checking these possible causes, contact ABB customer service in Australia on 1800 60 20 20.

No.	Fault	Possible causes
1	LED light source and indicating LED not lit	AC supply not connected; <b>or</b> AC supply turned off; <b>or</b> Test switch damaged
2	LED light source is lit but indicating LED not lit	Test switch damaged; <b>or</b> Battery not connected or faulty
3	LED light source does not switch to emergency mode when the test button is pressed	Test switch damaged; <b>or</b> Battery not connected or faulty
4	LED light source works momentarily on emergency when the test button is pressed	Battery not yet charged (allow up to 24 hours)

## INSTALLATION MANUAL

### Stanilite®

## Economy exit LED - slide connect Standard



This document covers	What's inside the box
Safety warning	Economy exit LED
Installation instructions	Pictograph insert pack
Removal instructions	Installation manual
Testing precautions	Warranty information
Troubleshooting guide	

### Thank you for choosing ABB product

Please read this document thoroughly before commencing installation and retain for future reference. Contact ABB customer service in Australia on 1800 60 20 20 if you need any assistance. The installation instructions were correct at the time of print. To reflect changes in technology and Australian standards; ABB reserves the right to amend the instructions without notice. Updated document can be found on the Stanilite website.

### Safety warning

In Australia and New Zealand, only licensed electricians are permitted by law to work with 240 volt electrical installations. Do not attempt to install or connect this product unless you are a licensed electrician. Turn off and isolate the electrical supply before

connecting this fitting to the building wires. Do not touch the terminals of the terminal block when the light fitting is energised. The only user-serviceable part is the battery pack. LED light source is not user-serviceable. Do not attempt to service other parts of the fitting as this will void the warranty. As the installer, it is your responsibility to ensure compliance with all relevant building and safety codes, (ie: AS/NZS 3000, AS/NZS 2293). Refer to the applicable standards for data and mains cabling installation procedures and requirements.

### Important to note:

- This product is designed for indoor use only.

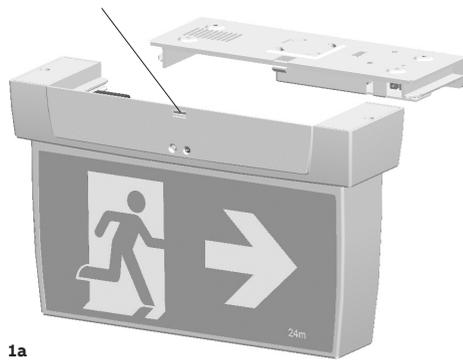
### ABB Australia Pty Limited

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## Installation instructions

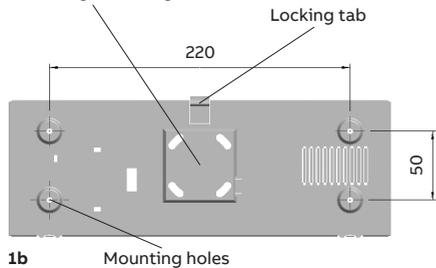
1. Insert a small flat head screwdriver into the locking slot on the front of the fitting (above LED and test switch, figure 1a), lift up the locking tab to unlock the bracket from the main fitting. The fitting is then free to slide out from the bracket.
2. The economy exit LED slide connect can be installed either ceiling or wall mounted. Orient the bracket in such a way as to make the LED and push button readily visible and accessible when the fitting is installed. Use the bracket as a template to mark the mounting holes and cable access position.
  - For ceiling mounted; knock out the cable access hole. Hold the bracket against the ceiling, mark 4 mounting holes and the cable access hole (figure 1b).
  - For wall mounted; drill 2 holes (ø4 - ø5mm) at the "V" shape feature in the back of the bracket (figure 1c and 1d) and knock out the cable access (figure 2). Hold the bracket against the wall, mark 2 mounting holes and the cable access hole.
3. Mount the bracket to the ceiling or wall using appropriate fixings (not supplied due to the wide variety of building construction materials).

Insert flat head screwdriver and push up to unlock the locking tab



1a

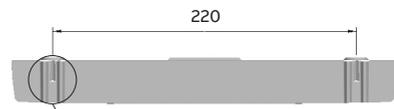
Cable access to be removed for ceiling mounting



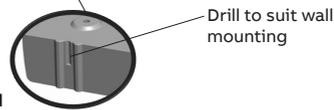
1b Mounting holes

Figure 1: Mounting holes position for wall or ceiling mount

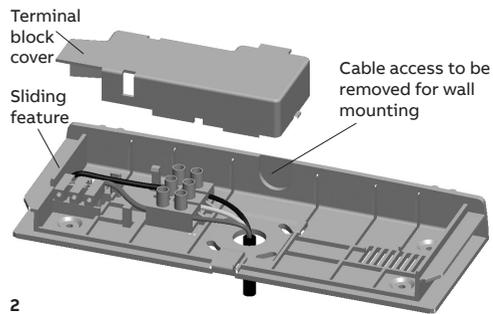
4. Run the cables in the ceiling or wall space as appropriate and through the cable access hole into the bracket. Strip 9mm insulation length, connect and terminate the cables as indicated in figure 2. Ensure that the double insulation of the cable/s passes completely into the terminal block enclosure so that no single insulation is exposed when the cover is in place. Be careful with multi-strand conductors that all of the strands are twisted together before insertion into the terminal. Any stray strands that inadvertently come into contact with their neighbouring terminal will cause undesirable results when the fitting is powered.
5. Economy exit LED slide connect is designed for permanent illumination; connect incoming unswitched active, neutral and earth to terminal marked A, N and E respectively. When connected, replace the terminal block cover so that it clicks and locks into place.



1c



1d



2

Figure 2: Terminal block connection and internal view

6. Attach the exit fitting to the bracket by aligning the sliding feature on both ends (figure 1a and 2). Once aligned, gently push the exit fitting into the bracket to engage the mains connections and locking tab. The economy exit LED slide connect is supplied standard with all options of pictograph inserts, ie: straight, left and right. Insert the appropriate pictograph onto the diffuser.
7. Once powered up, the normal AC LED light source will energise and remain lit until the power supply fails. The emergency function of the light fitting will only operate when the normal lighting power supply fails or when somebody presses the manual test button located on the front of the fitting. Red LED indicates that the power is connected and the battery is charging.
8. Check the operation of the fitting to ensure that the installation was successful. When powered up, allow a few minutes to give the battery a small charge, then press the manual test button located at the front face of the fitting. Hold the test button in for a few seconds and observe the operation of the LED light source switching from mains to emergency mode. If the LED light source on emergency mode works momentarily, that's okay. Try again in a few more minutes because if the battery was completely discharged, it may take a little time to charge up enough to operate even momentarily. After this time, press the test button again and if the LED light source does not work at all, check the supply, the connections and the troubleshooting guide at the end of this document.

## Cable entry knock out instructions

### Ceiling mount

- Use screwdriver to punch through the plastic (figure 3a).
- Use wire cutter to cut the rib (figure 3b).



Figure: 3a



Figure: 3b

### Wall mount

- Use wire cutter to cut around the edges (figure 4a).
- Use pliers to remove the plastic (figure 4b).

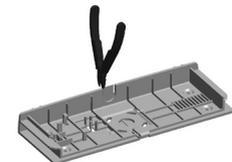


Figure: 4a

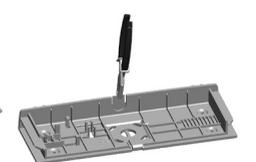


Figure: 4b

**Important: 24 hours is required to allow the fitting battery to reach full capacity, ie: prior to a discharge test. As the installer, it is your responsibility to conduct the initial discharge testing of the installed fitting. Refer to AS/NZS 2293.**

## Removal instructions

1. Insert a small flat head screwdriver into the locking slot on the front of the fitting (above LED and test switch, figure 1a).
2. Lift up the tab to unlock the bracket from the main fitting. The fitting is then free to slide out from the bracket and it can be lowered away from the bracket, allowing the 2 to separate.
3. The fitting will automatically switch into emergency mode because it has been removed from the power supply. It will stay on

emergency until such time as the battery cut-off threshold is reached or it is reconnected back onto the power supply, whichever happens first.

4. When the fitting is reconnected to the supply, it will need time to recharge its battery before it will be capable of a full length discharge again. The ability of the fitting to operate on emergency is determined by the age, charge level, operation temperature conditions and environmental circumstances of the battery in the fitting.