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.

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

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.
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

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 stands 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.

Cable entry knock out instructions

Ceiling mount
   • Use screwdriver to punch through the plastic (figure 3a).
   • Use wire cutter to cut around the edges (figure 3b).

Wall mount
   • Use wire cutter to cut around the edges (figure 4a).
   • Use pliers to remove the plastic (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 back onto the power supply, whichever happens first.

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.