INSTALLATION MANUAL

Stanilite®
Spitfire® LED surface mount
110V DC

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 lamp head assembly. 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 mains cabling installation procedures and requirements.

Important to note:
• This product is designed for indoor use only.
Installation instructions

1. Remove the top cover from the gear tray by unscrewing a screw on each side.
2. Work out the mains entry then hold the gear tray in position and mark the centre of 2 fixing holes.
3. Drill holes and secure the gear tray in place by using appropriate M4 screws (due to the wide variety of building construction materials, fasteners are not supplied). Make sure the mounting screws are fixed into solid material that is strong enough to support the weight of the fitting which is approximately 3.5kg.
4. Terminate mains and 110Vdc + and - wires to the appropriate terminal block. Be careful with multi-strand conductors that all the strands are twisted together before insertion into the terminal block. Any stray strands that inadvertently come into contact with their neighbouring terminal will cause undesirable results when fitting is powered.

Testing precautions

Once the fitting is permanently connected to the mains supply, a commissioning discharge test as required in AS/NZS 2293.2 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 no 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 2293.2.

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 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 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.

Removal instructions

1. Before removing the installed fitting, de-energise and lock off the 240V AC mains and 110V DC supply circuit.
2. Remove the cover, disconnect the mains and 110V DC cable connection from the terminal block.
3. Undo the mounting screws and remove the fitting from ceiling.

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 does not switch to emergency mode</td>
<td>110V DC supply not connected or faulty</td>
</tr>
<tr>
<td>2</td>
<td>LED light source works momentarily on emergency when the test button is pressed</td>
<td>110V DC central battery not yet charged (allow up to 24 hours)</td>
</tr>
</tbody>
</table>

5. The 110Vdc supply from the central battery system connects to 110Vdc terminal block, refer below.

6. After completion of wiring, install the cover back to the gear tray and secure it in place by 2 screws provided.
7. Check operation of the fitting to ensure the Spitfire lamp turns ON when 110V DC supply is fed from the central battery system and/or when 240V AC mains supply fails.
8. As the installer, it is your responsibility to conduct the initial discharge testing of the installed fitting. Refer to AS/NZS 2293.