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.

<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>

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Installation instructions

1. Undo 2 screws and remove the lid as shown in figure 1.
2. Undo 2 screws and remove the gear tray from the base as shown in figure 2.
   Note: Carefully unplug the mains cable assembly from the PCA in order to completely remove the gear tray from the base.

   Figure 1
   Figure 2

3. Determine the mounting location and studs position in the wall, check and verify that there is adequate space in the wall cavity for a box size 182mm height x 365mm width x 85mm depth and there is no obstruction for mains cable running. Allow 50mm clearance from the ceiling or wall corner for the cover.
4. Mark, double check and cut out a hole size 182mm height x 365mm width in the wall. See figure 3.
5. Orient the base such that the test switches are on the right hand side corner for the wall cut-out.
6. Determine the mains cable entry direction then remove the appropriate knockout from 1 side of the base.
7. Route the mains cable through the knock out and mechanically protect it by a grommet, gland or bush as it passes through cable entry.
8. Insert and push the base flush to the wall. Secure it to a wall stud by using 2 appropriate fixings (fixings not supplied due to the wide variety of building construction materials). For double brick wall; use suitable adhesive or fastener (liquid nail, epoxy anchor, etc.) to secure the base in place.
9. Strip 9mm insulation length from mains cable, connect and terminate wires to the terminal block. Be careful with multi-strand conductors that all 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.

   Figure 3

10. This step is for monitored fittings only. For a Nexus LX fitting; terminate and connect data cable to the 2 way terminal block as shown in figure 4. For a Nexus RF fitting; ensure that the antenna is fitted to the gear tray and is tight. For more details refer to the data connections section.
11. Verify that the battery is connected to the PCA then connect the mains cable assembly to the PCA.
12. Secure the gear tray to the base by 2 screws as shown in figure 2 and lid as shown in figure 1.
13. 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 test button to ensure that fitting is functional in emergency mode.

<table>
<thead>
<tr>
<th>Fitting type</th>
<th>Indicator LED state - on initial powering - no fitting faults</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-monitored</td>
<td>Solid red</td>
</tr>
<tr>
<td>Nexus LX</td>
<td>Green flash with 2 red blinks, green flash with 3 red blinks</td>
</tr>
<tr>
<td>Nexus RF</td>
<td></td>
</tr>
</tbody>
</table>

Data connections

Nexus LX fitting
- Connect data cable to the green connector on the power pack or PCA, or to the fixed terminal block marked data.
- When correctly installed no fitting should have more than 2 data cables connected to it.
- If you have more than 2 data cables at any 1 fitting, the installation is incorrect.
- If this fitting is at the end of a data cable run, a terminator needs to be wired parallel across the 2 data lines.
- If there is an in and out data cable, then the shields should be wound together, folded back and taped up.
- Consult the Nexus user and technical guide for further detail, including product commissioning.

Nexus RF fitting
- Fit the antenna connector through the vacant hole on the gear tray and connect the antenna to it as shown.
- Collect the MAC address, by removing the peel off sticker section and locating it on your floor plan or spreadsheet.

Note: Other end of the antenna has been pre-connected to the power pack or PCA.
- Consult the Nexus user and technical guide for further detail, including product commissioning.

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.