APPLICATION

Light-Pak N2RF remote lighting fixtures are designed for remote mounting of emergency lighting away from the N2LPS power supply. N2RF lighting fixture(s) provide illumination to distant locations during failure or interruption of power to the normal lighting system. The N2RF remote lighting fixture is suitable for use in Class I, Division 2, locations as defined by the National Electrical Code®, and non-hazardous (ordinary) locations.

The N2RF remote lighting fixture enclosure consists of a corrosion resistant Krydon® material enclosure. The lighting fixture head(s) is made of rugged, corrosion resistant Noryl® thermoplastic which is fully adjustable and lockable and houses a high output PAR36 tungsten halogen sealed beam lamp. Lamps are included with the fixture(s).

INSTALLATION

WARNING
To avoid the risk of fire and electric shock, this product is to be installed by a qualified electrician only.

WARNING
Electrical power must be OFF before and during installation and maintenance.

1. Select a mounting location where it will not readily be subjected to tampering or obstructive interference.
2. Loosen the captive cover screws (6) of the N2RF remote lighting fixture cover and carefully place the cover aside for reassembly later.
3. Securely fasten the lighting fixture enclosure to the desired mounting location using the appropriate length hardware through the four 7/32" diameter mounting holes.
4. Adjust the lighting fixture(s): See Figure 1.
   a. Loosen (do not remove) the screw at the elbow and the screw at the mounting arm base.
   b. Adjust fixture head(s) to the desired position and retighten the two screws.

WIRING

WARNING
All electrical power must be turned OFF before and during installation and maintenance.

1. Connect enclosure to wiring system in accordance with the National Electrical Code plus any other applicable codes.

NOTE: The N2RF remote lighting fixture(s) is supplied with one Crouse-Hinds NHUB2 (3/4") hub and grounding plate already installed. If additional hubs are required they can be easily installed using a NHUB2 and GP2. Use a thread sealant (STL2) in conduit-to-hub joint to maintain maximum environment protection.

2. Connect fixture leads to incoming leads with wire nuts.
3. Attach ground wire to screw terminal on hub plate for all remote installations.
4. Make sure color code continuity is maintained throughout remote lighting fixture wiring.
5. Close cover and securely tighten all cover screws.
6. Feed remote lighting fixture(s) incoming leads into N2LPS power supply. (See Table 1 for Wire Sizing for Remote Installations).
7. Maintaining color code continuity, connect blue wire lead and yellow wire leads to remote lighting fixture incoming leads. (Separate yellow and blue leads are provided inside plastic envelope with N2LPS installation instructions).
8. Attach terminal end to open port on circuit board following the wiring diagram located on inside of N2LPS power supply cover.
9. Proceed to N2LPS installation instruction sheet IF1105 Section C, to complete installation of emergency lighting system.

Figure 1
Lighting Fixture

Noryl® is a registered trademark of the General Electric Company.
Table 1
WIRING SIZING FOR REMOTE INSTALLATION
(For Copper Wire)
Running Distance* (Ft.) Between Power Supply and Remote Lighting Fixture.

<table>
<thead>
<tr>
<th>Wire Size</th>
<th>LOAD IN WATTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8</td>
</tr>
<tr>
<td>16 AWG</td>
<td>26</td>
</tr>
<tr>
<td>14 AWG</td>
<td>42</td>
</tr>
<tr>
<td>12 AWG</td>
<td>66</td>
</tr>
<tr>
<td>10 AWG</td>
<td>106</td>
</tr>
<tr>
<td>8 AWG</td>
<td>168</td>
</tr>
<tr>
<td>6 AWG</td>
<td>270</td>
</tr>
</tbody>
</table>

*Maximum distance to limit the line voltage drop to 5%.

MAINTENANCE

⚠️ WARNING

All electrical power must be turned OFF before and during maintenance. Area should be free of hazardous atmospheres before maintenance is performed to reduce risk of accidental explosion due to inadvertent shorting of battery during maintenance.

1. Conduct periodic testing in accordance with local authority and Periodic Testing section of IF1105 for N2LPS systems.
2. Clean fixture lens and exterior surfaces periodically. We recommend every three months or more frequently if appropriate.
3. Frequent interior inspection should be made. A schedule for maintenance check should be determined by the environment and frequency of use. It is recommended that it should be at least once a year.
4. Perform visual, electrical and mechanical checks on all components on a regular basis.
   - Visually check for undue heating evidenced by discoloration of wires or other components, damaged, or worn parts, or leakage evidenced by water or corrosion in the interior.
   - Electrically check to make sure that all connections are clean and tight.
   - Mechanically check that all parts are properly assembled.

REPLACEMENT PARTS

Emergency lighting products are designed to provide years of reliable lighting performance. However, should the need of replacement parts arise, they are available through your authorized Crouse-Hinds electrical distributor. Assistance may also be obtained through your local Crouse-Hinds Sales Representative or the Customer Service Department, P.O. Box 4999, Syracuse, NY 13221, Phone 315/477-5531.

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Crouse-Hinds "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.