Installation Instructions

Installation with Junction Box in Riser

Step 1: Measure the height, 15 to 18 inches from floor, for location of three (3) holes to be drilled. Use template on Page 2.

Step 2: Feed flexible cable through center hole to inside of seat frame and secure at bottom of frame with clamps (3) provided.

Step 3: Secure Monogram™ with #6 sheet metal screws (Included).

Step 4: The junction box (available separately) must align with the wireway and be mounted on the vertical rise of the step so that the cutout of the junction box lines up with the wireway, see detail. (Mounting screws by others.)

Step 5: Feed the wires from the power supply along the wireway to the junction box and make all wire connections using wire nuts. 

Note: White Wire is positive (+) and the Black Wire is negative (-).
Mounting Template

Template for mounting Monogram™ to Seat (Full Scale)

Installation Instructions (Continued)

Installation with Junction Box on Floor

**Step 1:** Measure the height 15 to 18 inches from floor for the location of three (3) holes to be drilled. Please see included template (Page 1).

**Step 2:** Feed flexible cable through center hole to inside of seat frame with clamps (3) provided.

**Step 3:** Secure Monogram™ with #6 sheet metal screws (Included).

**Step 4:** The junction box (available separately) must align with the wireway and be mounted on the bare finished floor so that the cutout of the junction box lines up with the wireway (See detail). Mounting screws by others.

**Step 5:** Feed the wires along wireway and through the hole and flex circuit to the junction box and make wire connections using wire nuts.

**Note:** White Wire is positive (+) and the Black Wire is negative (−).
Installation Instructions (Continued)

Installation with Junction Box Recessed in Floor

**Step 1:** The junction box and flex conduit (by others), should be placed before concrete is poured (See Section A-A Detail).

**Step 2:** Measure the height 15 to 18 inches from floor for the location of three (3) holes to be drilled. Please see included template (Page 1).

**Step 3:** Feed flexible cable through center hole to inside of seat frame with clamps (3) provided.

**Step 4:** Monogram™ with #6 sheet metal screws (included).

**Step 5:** Drill a ⁵∕₁₆" diameter hole into the junction box lid. Feed flexible cable through hole.

**Step 6:** Drill a ⁵∕₁₆" diameter hole into wireway extrusion. Be sure hole is aligned with flex conduit (Step 1).

**Step 7:** Feed the wires along wireway and through hole and flex conduit to the junction box and make wire connections using wire nuts.

**Note:** White Wire is positive (+) and the Black Wire is negative (-).
Wire Size Selection

In order to operate Class II lighting system properly, it is important to select wires with a right gauge to minimize significant voltage drop. Following are two charts providing a reference for determining the wire size according to the maximum connection wire length from power supply to lighting fixtures.

<table>
<thead>
<tr>
<th>12V DC Class 2 Lighting System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire Gauge</td>
</tr>
<tr>
<td>18</td>
</tr>
<tr>
<td>16</td>
</tr>
<tr>
<td>14</td>
</tr>
<tr>
<td>12</td>
</tr>
</tbody>
</table>