SOUTH INSTRUCTIONS FOR FUTURE REFERENCE

**CAUTION** Read carefully before installing and wiring. Any warning or special instructions should be closely followed. Check the ratings to ensure suitability for the environment & supply. Must be installed in accordance with the NEC or CEC and all other applicable codes. These junction boxes are not suitable for hazardous locations. All junction boxes must be properly grounded.

**INSTALLATION & ELECTRICAL WIRING**

**WARNING** Risk of electrical shock hazard, only qualified personnel should conduct this procedure!

Do not make electrical connections with the power ON. Use cu or cu clad wire only. Apply lubricant to all screws and threads during installation, failure to use can result in voiding warranty.

1. Locate and drill cable gland hole through the thickened area of the junction box (0A) per instructions furnished with cable gland (not provided). Clean all foreign material out of junction box.
2. Mount the junction box (0A) in its intended location using minimum: 5/16" bolts (592 Model - qty.4x) or 1/4" bolts (581 Model - qty.4x).
3. Cables should be stripped back approx. 3" - 5" to allow individual wires to flex.
4. Install cable gland (not provided) to junction box (0A) per instructions furnished with cable gland.
5. Route cable in through cable gland and secure seal on cable jacket.

<table>
<thead>
<tr>
<th>Model</th>
<th>Wire Size (AWG)</th>
<th>Volts AC/DC</th>
<th>Amps</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>581BT20</td>
<td>#10 - #14</td>
<td>600V</td>
<td>30A</td>
<td>20 in^2lbs</td>
</tr>
<tr>
<td>581BT26</td>
<td>#12 - #22</td>
<td>250V</td>
<td>20A</td>
<td>9 in^2lbs</td>
</tr>
<tr>
<td>592BT40</td>
<td>#10 - #14</td>
<td>600V</td>
<td>30A</td>
<td>20 in^2lbs</td>
</tr>
<tr>
<td>592BT52</td>
<td>#12 - #22</td>
<td>250V</td>
<td>20A</td>
<td>9 in^2lbs</td>
</tr>
<tr>
<td>592BT60</td>
<td>#10 - #14</td>
<td>600V</td>
<td>30A</td>
<td>20 in^2lbs</td>
</tr>
</tbody>
</table>

6. Make electrical connections to terminal block (4A).
7. Torque each terminal screws to torque per table above.
8. Connect Green or earth wire to ground.

**NOTE:** Clean inside junction box and gasket surface free of debris prior to reassembly of cover.
9. Place gasket (7A) between cover (1A) and junction box (0A).
10. Close cover (1A) and tighten bolts (9A) provided and nuts (9B). Torque bolts and nuts only enough to insure a good gasket seal to approx. 5 Ft-lbs.

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