WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.

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### Module Installation

1. **To Install, remove Connector Cover**

   - Align expansion connectors, insert, and listen for "Click" as the lock engages.

2. **To remove, depress disengagement plungers at top and bottom of module**

### Connector Options Specifications

<table>
<thead>
<tr>
<th>Connector Options Specifications</th>
<th>BX-RTB10</th>
<th>BX-RTB10-1</th>
<th>BX-RTB10-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal Block Kit</td>
<td>90-degree screw type.</td>
<td>180-degree spring clamp type.</td>
<td>180-degree screw type.</td>
</tr>
<tr>
<td>Pitch</td>
<td>3.81mm</td>
<td>3.81mm</td>
<td>3.81mm</td>
</tr>
<tr>
<td>Recommended Screw torque</td>
<td>&lt;1.77 lb-in (0.2 N·m)</td>
<td>N/A</td>
<td>&lt;1.77 lb-in (0.2 N·m)</td>
</tr>
<tr>
<td>Screwdriver Blade Width</td>
<td>2.5mm</td>
<td>2.5mm</td>
<td>2.5mm</td>
</tr>
<tr>
<td>Equivalent Dinkle part #</td>
<td>EC381V-10P-BK</td>
<td>ESC381V-10-BK</td>
<td>EC381F-10P-BK</td>
</tr>
</tbody>
</table>

### Terminal Block Connector Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>BX-RTB10</th>
<th>BX-RTB10-1</th>
<th>BX-RTB10-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector Type</td>
<td>Screw Type-90°</td>
<td>Spring Clamp Type-180°</td>
<td>Screw Type-180°</td>
</tr>
<tr>
<td>Pitch</td>
<td>3.81mm</td>
<td>3.81mm</td>
<td>3.81mm</td>
</tr>
</tbody>
</table>

### Dimensional Information

- 2X Ø #8 Thru all
- 1.08" [27.5mm]
- 1.00" [25.4mm]
- 4.57" [116.2mm]
- 4.24" [107.8mm]
- 3.25" [82.6mm]
- 1.08" [27.5mm]

### I/O Wiring

#### Terminal Block Output Wiring

- **INTERNAL MODULE CIRCUITRY**

  - **V0+**
  - **V1+**
  - **V2+**
  - **V3+**
  - **1C**
  - **0V**
  - **24V+**

- **ISOLATED ANALOG CIRCUIT COMMON**
  - **CH0/ADC**
  - **CH1/ADC**
  - **CH2/ADC**
  - **CH3/ADC**

- **ISOLATED ANALOG CIRCUIT POWER**
  - **+**
  - **-**

**NOTE:** Available only on BX-4AD2DA-2B

#### Analog Voltage Input Circuits

- **4-Wire Voltage Transmitter**
  - **0.032A**
  - **Vh+**
  - **WX**

- **3-Wire Voltage Transmitter**
  - **0.032A**
  - **Vn+**
  - **Vn+**
  - **Vn+**

**NOTE:** For maximum accuracy: Jumper unused inputs to common.

#### Analog Voltage Output Circuit

- **24 VDC User Supplied Power**
  - **0.032A**
  - **Vx+**
  - **WY**

**NOTE:** For all analog voltage inputs, analog outputs, and current loops.

**An Edison S500-32-R 0.032A fast-acting fuse is recommended.**

**NOTE:** Shield should be connected only at one end, to ground at the source device.