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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**Terminal and Front Panel Layout**

- CPU Mode Switch
- Micro SD Card Slot
- Serial Port
- Ethernet Port
- Pluggable Option Module (POM) Slot

**NOTE:** DIP switches located in this compartment are used for debug and recovery functions only. Please refer to the BRX User Manual for full instructions on using these switches.

**Battery Replacement**
Coin Battery CR2032
ADC Part # D0-MC-BAT

**NOTE:** Do not remove tape from battery.

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**General Specifications**

- **Operating Temperature:** 0° to 60°C (32° to 140°F)
- **Storage Temperature:** -20° to 85°C (-4° to 185°F)
- **Humidity:** 5 to 95% (non-condensing)
- **Environmental Air:** No corrosive gases permitted
- **Vibration:** IEC60068-2-6 (Test Fc)
- **Shock:** IEC60068-2-27 (Test Ea)
- **Enclosure Type:** Open Equipment
- **Agency Approvals:** UL61010-2 - UL File # E185989 Canada and USA
- **Noise Immunity:** NEMA ICS3-304
- **EU Directive:** See the “EU Directive” topic in the Help File

**Weight:** 171g (6 oz)

*Meets EMC and Safety requirements. See the D.O.C. for details.*

**Power Supply Specifications**

- **Nominal Voltage Range:** 12-24 VDC
- **Input Voltage Range (Tolerance):** 10-36 VDC
- **Maximum Input Voltage Ripple:** <= +/- 10%
- **Maximum Input Power:** 30W
- **Cold Start Inrush Current:** 5A, 2ms
- **Maximum Inrush Current (Hot Start):** 5A, 2ms
- **Internal Input Protection:** Reverse Polarity Protection and Undervoltage
- **Heat Dissipation:** 3.2W Max
- **Voltage Withstand (dielectric):** 1500VAC Power Inputs to Ground applied for 1 minute
- **Replacement Connector:** ADC Part # BX-RTB03

**Terminal Block Connector Specifications**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>BX-RTB03S</th>
<th>BX-RTB3</th>
<th>BX-RTB3-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector Type</td>
<td>Screw Type-90°</td>
<td>Screw Type-90°</td>
<td>Spring Clamp Type-180°</td>
</tr>
<tr>
<td>Wire Exit</td>
<td>180°</td>
<td>180°</td>
<td>180°</td>
</tr>
<tr>
<td>Pitch</td>
<td>3.5mm</td>
<td>5.0mm</td>
<td>5.0mm</td>
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<tr>
<td>Screw Size</td>
<td>M2</td>
<td>M2.5</td>
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</tr>
<tr>
<td>Recommended Screw torque</td>
<td>&lt;1.77 Lb-in (0.2 N-m)</td>
<td>&lt; 3.98 Lb-in (0.45 N-m)</td>
<td>N/A</td>
</tr>
<tr>
<td>Screwdriver Blade Width</td>
<td>2.5mm</td>
<td>3.5mm</td>
<td>3.5mm</td>
</tr>
<tr>
<td>Wire Gauge (Single Wire)</td>
<td>28-16 AWG</td>
<td>28-12 AWG</td>
<td>28-14 AWG</td>
</tr>
<tr>
<td>Wire Gauge (Two Wires)</td>
<td>28-16 AWG</td>
<td>28-16 AWG</td>
<td>28-16 AWG (Dual Wire Ferrule Required)</td>
</tr>
<tr>
<td>Wire Strip Length</td>
<td>0.24in (6mm)</td>
<td>0.3in (7.5mm)</td>
<td>0.37in (9.5mm)</td>
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<tr>
<td>Equiv. Dinkle part #</td>
<td>EC350V-03P-BK</td>
<td>5ESDV-03P-BK</td>
<td>5ESDSR-03P-BK</td>
</tr>
</tbody>
</table>

*Class 2 or LPS Power Supply required.*