

Installation Guide

Overview:

Altronix VB9P converts a 24VDC input into 54VDC/90W output(s), intended to power PoE related products such as midspans, receivers, adapters, and accessories. VB9P provides two sets of output terminals to facilitate connection for up to two devices.

Specifications:

Agency Listings:

- CE European Conformity.

Input:

- 24VDC @ 4A.

Output:

- Two (2) 54VDC outputs with up to 90W combined total power.
- Electronically filtered and regulated outputs.
- Built-in overload protection.



Features:

- Compact insulated housing.

Indicators:

- Output LED.

Dimensions (W x L x H approx.):

3.5" x 3.5" x 1" (88.89mm x 88.89mm x 25.4mm).

Installation Instructions:

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Wiring should be UL Listed and/or Recognized wire suitable for the application. Unit is intended to be used with a UL Listed Class 2 or LPS (limited power supply). VB9P is not intended to be connected to outside plant leads and should be installed indoors within the protected premises.

1. Mount VB9P in desired location utilizing the mounting hole (*Fig. 1a pg. 2*). Use a proper fastener and/or wall anchor when securing VB9P with screw through its mounting hole to the wall.
2. Connect 24VDC to the terminals marked [24VDC Input – +] (*Fig. 1b pg. 2*). Use 22AWG - 16AWG wire for this connection. Input power should be a Class 2 rated power supply.
3. Measure output voltage and check polarity before connecting devices, in order to avoid potential damage.
4. Connect device(s) to the terminals marked [54VDC Output + –], carefully observing polarity (*Fig. 1c, pg. 2*). Two devices can be connected simultaneously, with VB9P providing up to 90W of total power.
5. **Power Out** LED will illuminate indicating normal operation (*Fig. 1d*).

Technical Specifications:

Parameter	Description
Input power requirements	24VDC @ 4A.
Indicators	Power Out LED.
Environmental Conditions	Operating Ambient Temperature: 0°C to 70°C (32°F to 158°F). Storage Temperature: – 20°C to 70°C (– 4° to 158°F). Relative humidity: 85%, +/- 5% Operating Altitude: – 304.8 to 3,048m.
Weight (approx.)	Product: 0.25 lb. (0.11 kg) Shipping: 0.3 lb. (0.14 kg)

Fig. 1

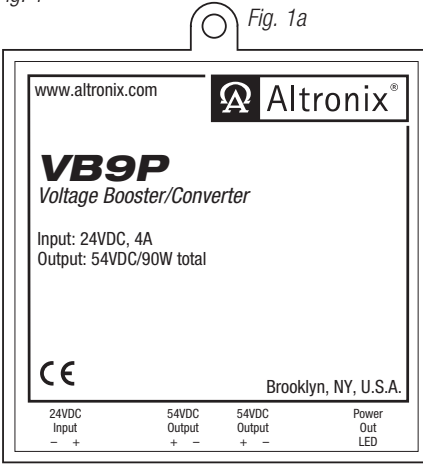
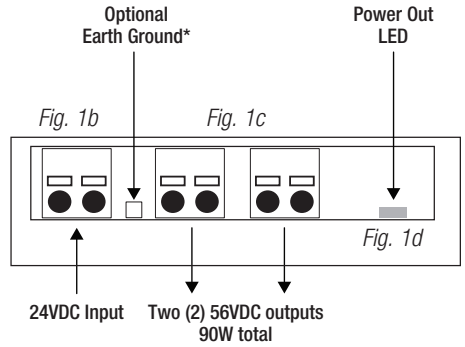


Fig. 1a



*If needed, use 26-18 AWG ground wire.
Insert approx 0.25" into this location
until secured in the ground push-in clip.