Altronix®

VB Series
Power Boosters

Installation Guide

Overview:
The unit converts a 12VDC-24VDC input into a regulated 24VDC ouput.

Altronix Model Number	Output	Input	Cable Assembly	Terminal Block
VB1	24VDC @ 0.75A	12VDC - 24VDC	✓	–
VB1T	24VDC @ 0.75A	12VDC - 24VDC	–	✓

Specifications:
Input:
• 12VDC-24VDC input.

Output:
• 24VDC @ 0.75A.
• Electronically filtered and regulated output.
• Built-in overload protection.

LED Indicators:
• Power LED.

Applications:
• Compensates for voltage drop due to long wire runs.

Applications (cont'd)**:**
• Power for 24VDC Access Control devices from a 12VDC power source.

Mechanical:
• High impact insulated housing.
• Compact design allows for integration in a wide range of camera housings.
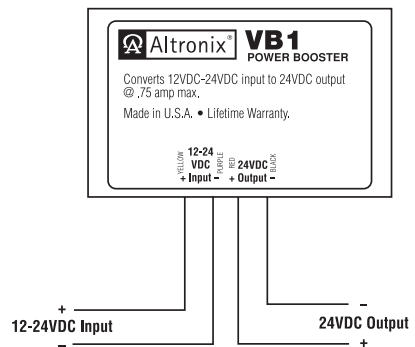
Dimensions (L x W x H approx.)**:**
1.625" x 2.375" x 1"
(41.3mm x 60.3mm x 25.4mm).

Installation Instructions:
1. Mount the unit in the desired location.
2. a. VB1: Connect Yellow (positive) lead and Purple (negative) lead to 12VDC to 24VDC source. Observe polarity.
    b. VB1T: Connect 12VDC to 24VDC source to the terminals marked [Input +] and [Input –].
3. Measure output voltage and check polarity before connecting devices in order to avoid potential damage.
4. a. VB1: Connect Red lead [Pos. +] and Black lead [Neg. –] to 24VDC device to be powered.
    b. VB1T: Connect 24VDC device to be powered to terminals marked [+ DC –].
5. LED will illuminate when power is present.

Fig. 1

Altronix® **VB1**
POWER BOOSTER
Converts 12VDC-24VDC input to 24VDC output @ .75 amp max.
Made in U.S.A. • Lifetime Warranty.

12-24 VDC YELLOW PURPLE + Input – **RED** **24VDC** BLACK + Output –

+
12-24VDC Input
–

–
24VDC Output
+

SIA MEMBER