Superior Electrical Products

Model VB1R

Specifications

Installation Instructions on Back

Connection:
120/240 VAC Single Phase 3 Wire + Ground

Continuous Rating
Nominal Line Voltage 120 VAC Line to Neutral
240 VAC Line to Line

Maximum Continuous Over Voltage (MCOV)
150 VAC Line to Neutral (Rated at eight hours)
300 VAC Line to Line

Frequency: 50/60 Hz.

Response Time: less than 1 nanosecond

Maximum Surge Current – 8 x 20 µsec.
60,000 Amps per mode
120,000 Amps per phase

Clamping Voltage		Max Let Through
L-N	130 Volts	330 Volts
L-L	260 Volts	700 Volts
L-G	260 Volts	800 Volts
N-G	130 Volts	500 Volts

UL/CUL Listed per UL 1449 2nd Edition

Enclosure Size and Type
4.8”H x 4.72”W x 3.58”D
Type 4X

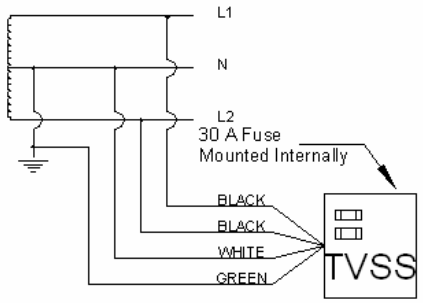
Green LED status Indicator
Light on indicates normal operation

Shipped Lead length
24” #12 AWG

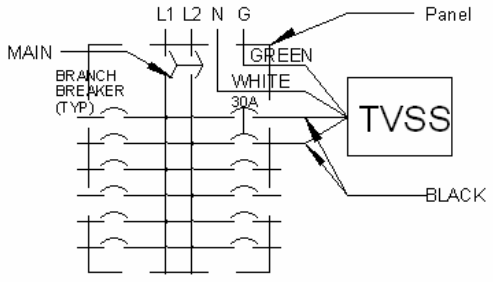
V-Blox Corporation
13291 Vantage Way, Suite 108, Jacksonville, FL 32218
904-425-4908 Fax 904-741-0405
www.v-blox.com

V-Blox Installation

1. **When working on any electrical equipment, always wear eye protection and appropriate protective clothing. Always follow local safety regulations and use lock out tag out procedures where applicable.**
2. **Tighten all screws and lugs to all breakers, neutral and ground busses. Verify voltage from line to neutral to check to make sure you have the right unit.**
3. **Make sure the V-Blox is mounted where the lights can be easily seen. Mount the V-Blox as close as you can to the point of connection. Use chase nipple and locknut (provided) to connect V-Blox to electric panel on indoor installations only.**
4. **Install V-Blox on the load side of a spare 30 amp or less circuit breaker rated for the available fault current. If a spare breaker is not available, V-Blox may share a breaker with a load**
5. **<u>Always hook up the V-Blox ground and neutral wires first.</u>**
6. **V-Blox is shipped with 24" leads. Cut leads as short and as straight as possible to insure best performance. Ideal lead length is less than 12".**
7. **If the neutral or ground buss is further from the unit than 24" then a "jumper wire" of no smaller than a #6 AWG should be brought to the unit from the buss and use a pressure or solder type connection to give the best conductivity. If this method is used shorten the V-Blox neutral and (or) ground to 6" before making the connection to the "jumper wire"**
8. **Before closing the panel be sure all connections are secure to insure maximum conductivity.**
9. **This device features an internal protection that will disconnect the surge protective component at the end of its useful life but will maintain power to the load – now unprotected. If this situation is undesirable for the application, follow the manufacturer's instructions for replacing the device.**



Buss Connection



Panel Connection

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