

VL-9954 POWER MONITOR UNIT

INTRODUCTION

These instructions provide identification, installation, connection, operation and maintenance information for the VL-9954 Power Monitor Unit.

The VL-9954 is a Power Monitoring Unit designed to be used with Valcom paging equipment.

SPECIFICATIONS

Purpose

- Provides power monitoring for Valcom 24VDC Power Supplies.

Applications

- Local and remote monitoring of PA system power supplies.

Refer to Figure 1 for a block diagram of a Power Monitor Unit.

Features

- 4 monitoring inputs
- Bi-color LED for power monitoring status
- 24VDC alarm output
- 4.7K end of line resistor
- By-pass jumpers for unused circuits
- Screw terminals for all connections

Capacity

Each VL-9954 monitors up to (4) 24VDC power supplies. The VL-9954 can be expanded up to seven (7) circuits by the addition of an expansion board.

Dimensions/Weight

- 7.10" H x 4.70" W x 2.10" D
(18.03cm H x 11.94cm W x 5.33cm D)
0.7lbs. (0.32kg)

Power Requirements

-21.5 to -26VDC Battery, 40mA maximum

Environment

Temperature: 0 to +50°C
Humidity: 0 to 85% (non-precipitating)

Nominal Specifications

Monitoring Inputs: 24VDC
Alarm Output: 24VDC
End of Line Resistor: 4.7K Ohms

WIRING INSTRUCTIONS (see Figure 2)

Connect -24VDC and ground to the -24VDC input and ground input respectively.

Connect 24VDC power line to be monitored to Circuit 1 -24VDC "IN" and "GND IN".

If all 4 Power Monitoring Circuits are utilized, set all circuit jumpers to the normal position. Set jumpers to by-pass for all unused Monitoring Inputs.

With power applied to the unit, all LEDs will be illuminated green and 24VDC will be present on the -24 and GND output. When 24VDC power is removed from any of the inputs, the associated LED will change from green to red and 24VDC Alarm Output will be turned OFF.

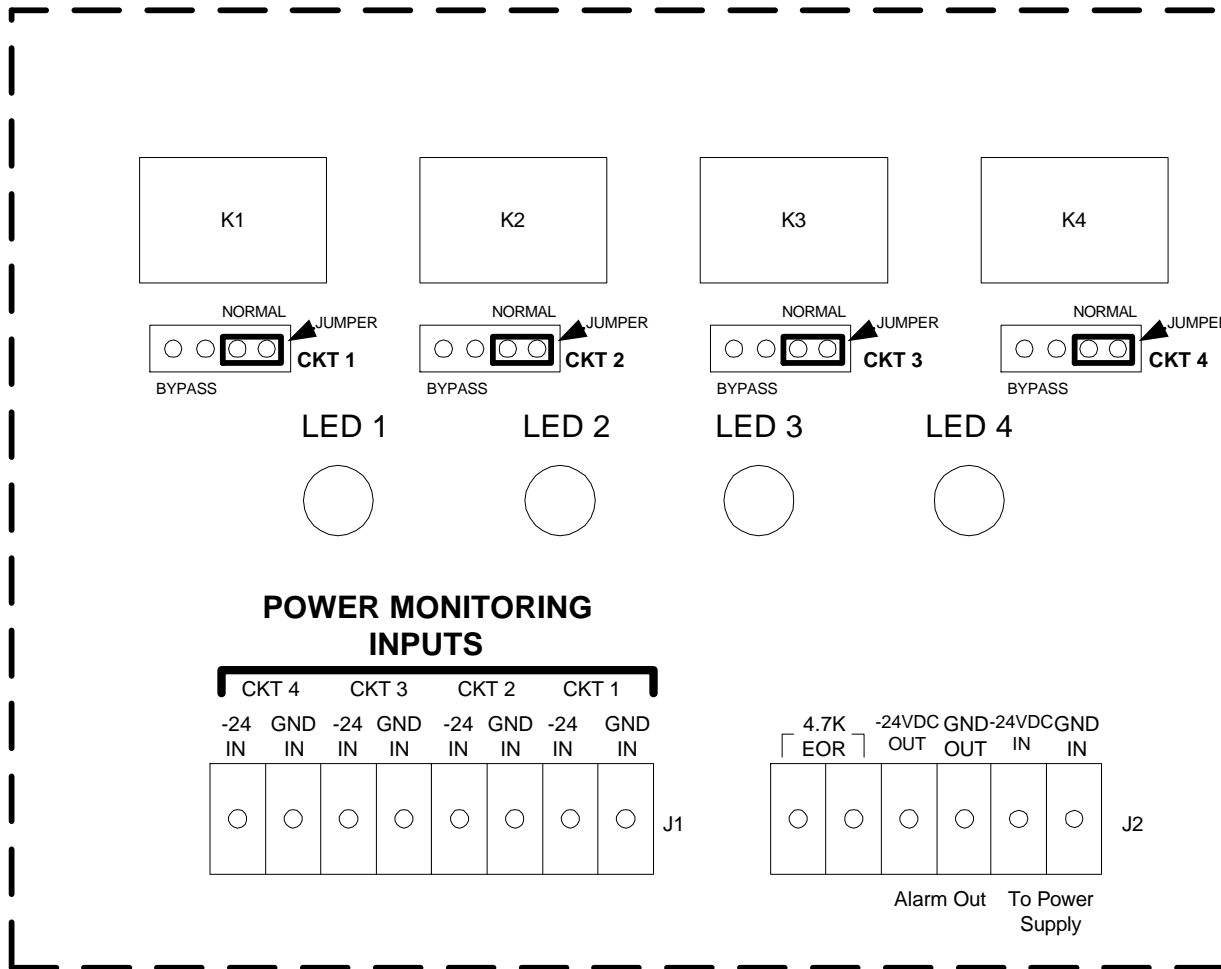


Figure 1 Block Diagram

TECHNICAL ASSISTANCE

When trouble is reported, verify that power is being supplied to the unit and there are no broken connections. Check voltages for proper polarity on the terminal blocks.

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM and a test set available and call from the job site. Call (540) 563-2000 for Technical Support or call (540) 767-1555 for Valcom 24-hour Faxback System or visit our website at <http://www.valcom.com>.

The VL-9954 is not field repairable. **Valcom equipment contains no user serviceable parts inside.** Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number and contact person and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair and Return Dept.
5614 Hollins Road
Roanoke, VA 24019-5056

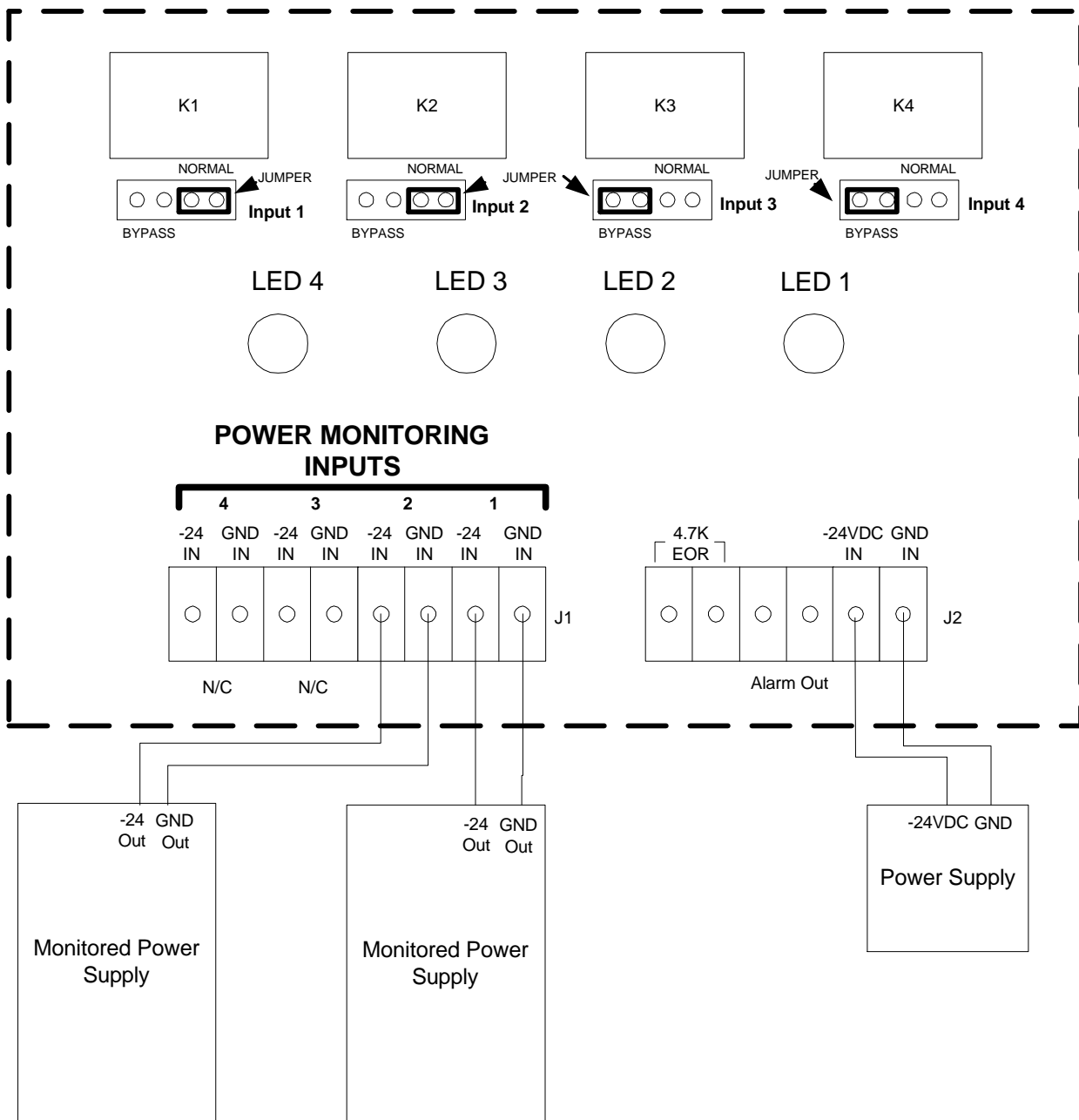


Figure 2 Typical Connections

* Figure 2 is shown with circuits 1 and 2 active. Circuits 3 and 4 are bypassed with included shorting bridge.

VALCOM LIMITED WARRANTY

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Valcom are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

This warranty is in lieu of and excludes all other warranties, expressed or implied, and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.

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