

49922

M LEAD

CONTROL DRIVER

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About this Practice:

This practice has been reissued to:

- Meet ISO 9001 requirements.

Reissued Practices: Updated and new content can be identified by a banner in the right margin.

Issue date: November 1997

UPDATED

CAUTION

- Install or remove modules from the shelf only when the power is off. If you install a module in the shelf with the power on, the internal circuitry may suffer damage and the product warranty will be void.
- Remove and install circuit boards only in a static-safe environment (use antistatic wrist straps, smocks, footwear, etc.).
- Keep circuit boards in their antistatic bags when they are not in use.
- Do not ship or store circuit boards near strong electrostatic, electromagnetic, magnetic, or radioactive fields.
- For more complete information on electrostatic discharge safety precautions, refer to Bellcore™ Technical Reference # TR-NWT-000870.

ORDERING INFORMATION

NOTE: This section lists the different options available for this product. To order any of the available options, contact Dantel Inside Sales through our toll-free number, 1-800-432-6835.

OPTION NUMBER	FEATURES
B12-49922-00	M Lead Control Driver (used w/ 00330 DTSS3A Selective Signaling Order Wire Package.)

GENERAL DESCRIPTION

Dantel's 49922 M Lead Control Driver (49922) is used in the DTSS3A Selective Signaling Order Wire Package and other Dantel subscriber interface assemblies to adapt M lead control in a fiber optics communications system.

The 49922 is built on a subassembly printed circuit board that installs on the 44022 module connector, located on the backplane of the DTSS3A package. It also installs on the 44022 module connector in other Dantel subscriber interface assemblies.

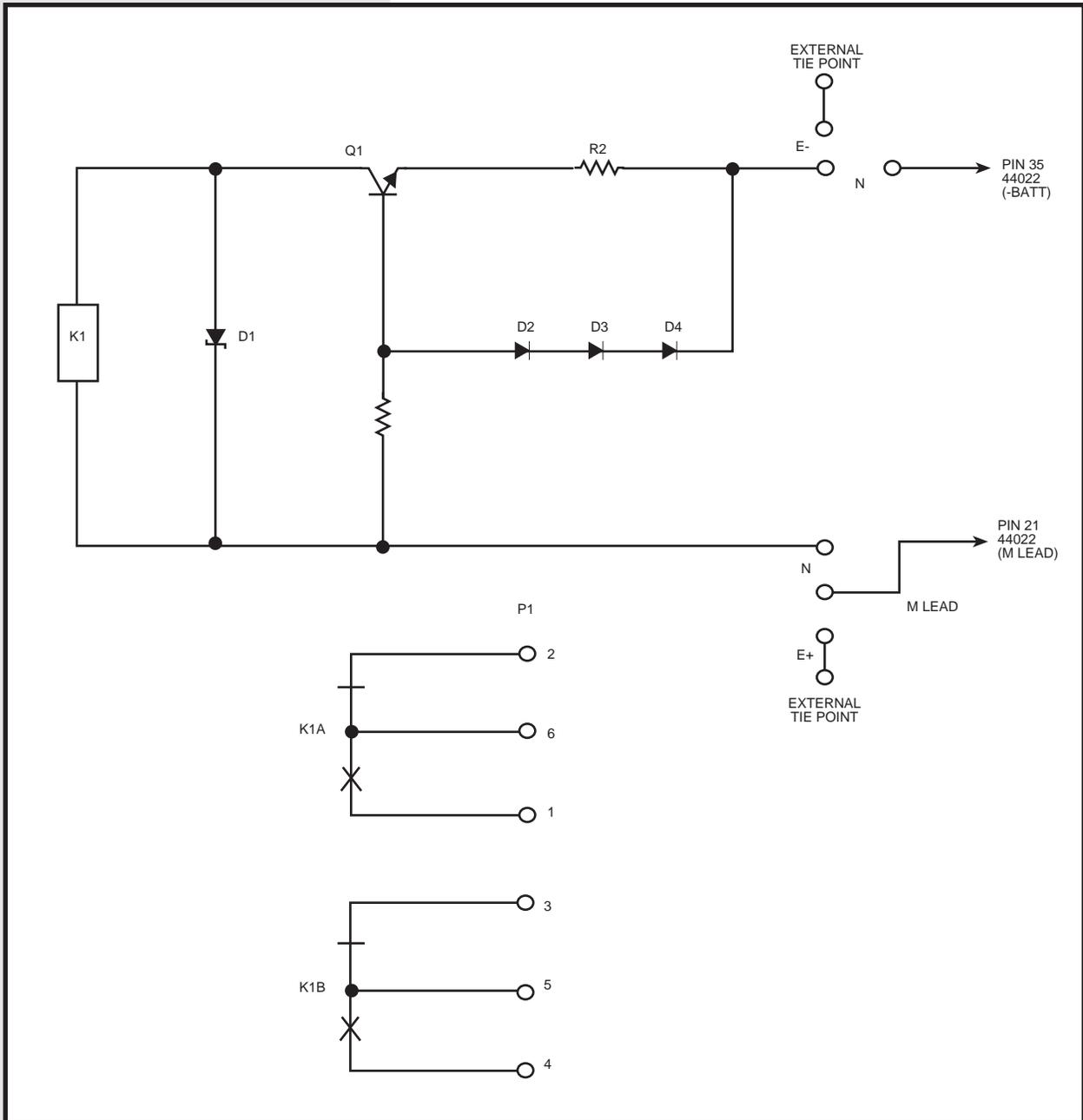
NOTE: *The 49922 can only be used on DTSS3A packages that are equipped with an issue 2 or later 49920 Interrupt Supply Module. Check the part number on the 49920 front panel to confirm the issue number. If the part number is prefixed with the letter B, or any letter that follows B in the alphabet, the 49922 may be used. If the letter is an A, the 49920 must be replaced with a later issue.*

Refer to the **Ordering Information** section for the part number to order. When ordering, specify if it is to be installed on a DTSS3A at the factory.

CIRCUIT DESCRIPTION

The circuit consists of a driver transistor and isolation relay. This allows the M lead to be interfaced with dry contacts rather than the transistor ground output normally provided by the 44022 module. Two sets of C-form contacts are provided. Refer to Fig. 1.

FIG. 1 - SCHEMATIC, 44922 M LEAD CONTROL DRIVER



INSTALLATION

It is recommended that installation be done at Dantel. The steps that follow describe the steps for installation in the field.

1. Fit subassembly over wire-wrap pins of the 44022 PC connector. This is J2 on the DTSS3A package. Refer to Fig. 2.
2. Solder the 49922 to the wire-wrap pins wherever there are solder pads.

NOTE: Do not apply excessive heat — the solder pads may be damaged.

3. Install external wiring. Refer to Fig. 2 and Table A.
4. Install appropriate straps. Refer to Table B.

Fig. 2 - SUBASSEMBLY TERMINAL LOCATIONS

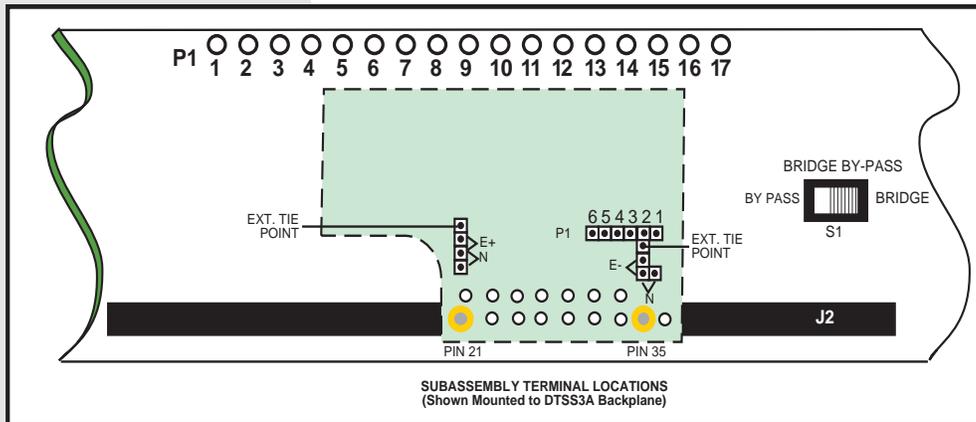


TABLE A - INSTALLER CONNECTIONS

FUNCTION	CONNECTION	FUNCTION	CONNECTION
Contact A, N.C.	P1-2	Contact B, N.C.	P1-3
Contact A, Com.	P1-6	Contact B, Com.	P1-5
Contact A, N.O.	P1-1	Contact B, N.O.	P1-4

TABLE B - STRAP OPTIONS

OPTION	STRAP
Internal Battery	N
External Battery	E-
Internal Control	N
External Control	E+

NOTES

WARRANTY

LIMITED WARRANTY

The Seller warrants that the standard hardware products sold will be free from defects in material and workmanship and perform to the Seller's applicable published specifications for a period of 18 months for hardware, and 3 months for software, from the date of the original invoice. The liability of the Seller hereunder shall be limited to replacing or repairing, at its option, any defective products which are returned F.O.B. to the Seller's plant, (or, at the Seller's option, refunding the purchase price of such products). In no case are products to be returned without first obtaining permission and a customer return authorization number from the Seller. In no event shall the Seller be liable for any consequential or incidental damages.

Equipment or parts which have been subject to abuse, misuse, accident, alteration, neglect, unauthorized repair or installation are not covered by warranty. The Seller shall make the final determination as to the existence and cause of any alleged defect. No warranty is made with respect to custom equipment or products produced to the Buyer's specifications except as specifically stated in writing by the Seller in the contract for such custom equipment.

This warranty is the only warranty made by the Seller with respect to the goods delivered hereunder, and may be modified or amended only by a written instrument signed by a duly authorized officer of the Seller and accepted by the Buyer.

Warranty and remedies on products not manufactured by the Seller are in accordance with warranty of the respective manufacturer. **THE SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED; AND ALL IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEEDS THE AFORESAID OBLIGATIONS IS HEREBY DISCLAIMED BY THE SELLER.**

IN CASE OF DIFFICULTY

If you experience difficulty with this equipment, check the following, as appropriate:

- 1. Switch settings**
- 2. Signal levels**
- 3. Software configuration**
- 4. Connections between Dantel's equipment and your equipment.**

If there is still a problem, substitute equipment that is known to be good. For additional assistance, call Dantel's Technical Field Service Department weekdays, 6 A.M. to 5 P.M. pacific time:

1-800-4DANTEL (1-800-432-6835).

If a thorough checkout shows a piece of equipment has malfunctioned, you may return it to the factory. For repairs and emergency replacements, obtain a Return Material Authorization (RMA) number from the Customer Service Representative at **1-800-4DANTEL (1-800-432-6835)**.

To ensure expedient processing of your order, provide a purchase order number and shipping and billing information when requesting an RMA number. Also, when the units are returned to Dantel, include a description of the failure symptoms for each unit returned. Send defective equipment to:

Dantel, Inc. • 2991 North Argyle Avenue • Fresno, California 93727-1388

