

46090

RS-232 CONNECTOR MODULE

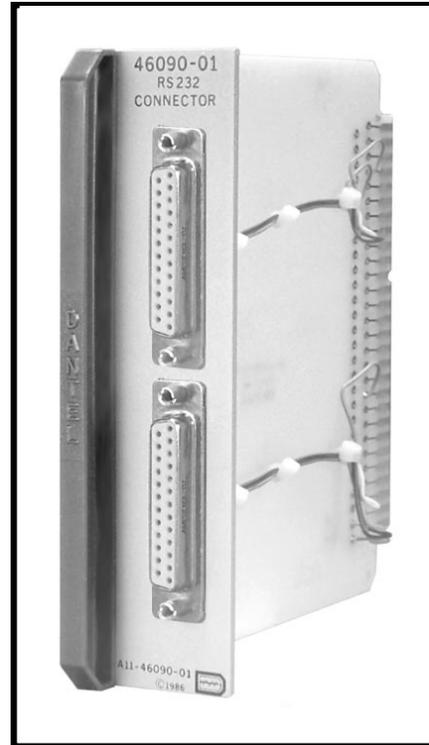


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About this Practice:

This practice has been reissued to:

- Update style and assign document control number.

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

Issue date: October 1998

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.

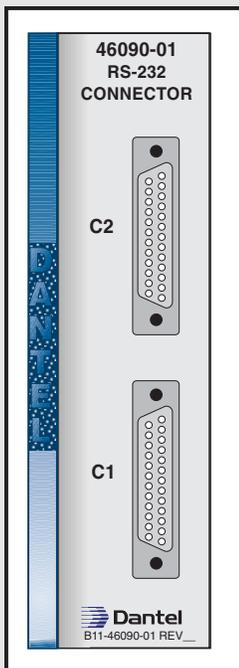
ORDERING INFORMATION

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 |
|---------------|-------------------------|
| B11-46090-01 | RS-232 Connector Module |

GENERAL DESCRIPTION

FIG. 1 - 46090 FRONT PANEL



The 46090 RS-232 Connector Module interfaces two RS-232 connectors to a 56-pin edge card connector to provide RS-232 connections to other equipment.

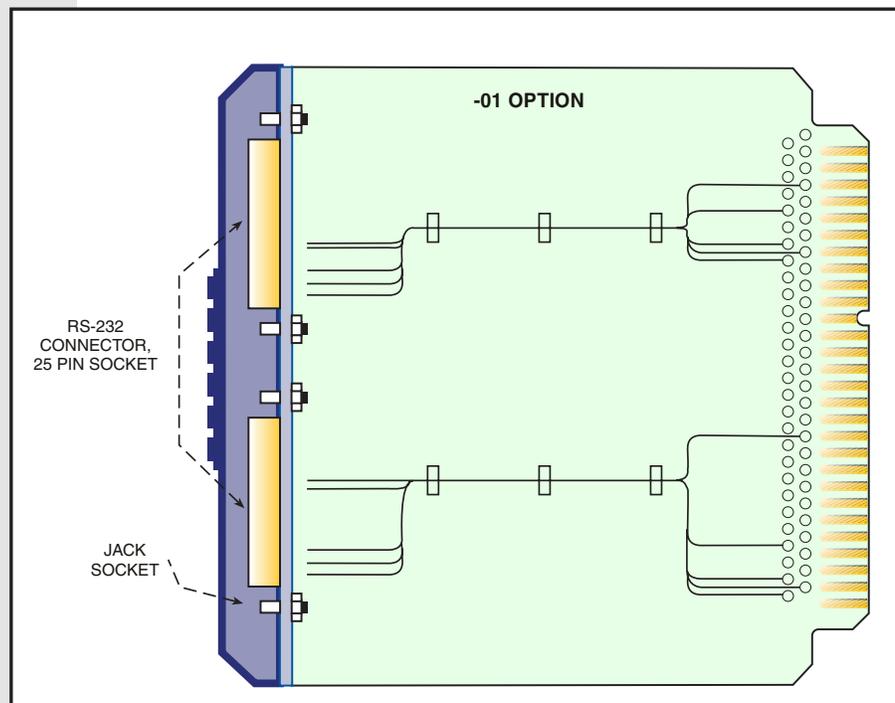
It is used in Dantel's 460 Alarm and Control System (ACS) to provide access points for connecting a terminal or printer to the system.

This allows either a terminal or printer to serve as a diagnostic tool to visually check the system's operation. With a terminal, it is also possible to input information and change the system's operation.

The 46090 is a plug-in module that fits into any Dantel 400-type or similar equipment housing. The front panel has two female RS-232 connectors, complete with jack screw sockets.

Figs. 1 and 2 show the front and side views of the 46090.

FIG. 2 - 46090 SIDE VIEW



INSTALLATION

Installation consists of installing the module in the equipment shelf and connecting your equipment to the RS-232 connector(s).

1. Install the module in the equipment shelf.

2. Connect your equipment to the RS-232 connector(s).

Table A and Fig. 3 show the wiring of the RS-232 connectors to the 56-pin card edge connector.

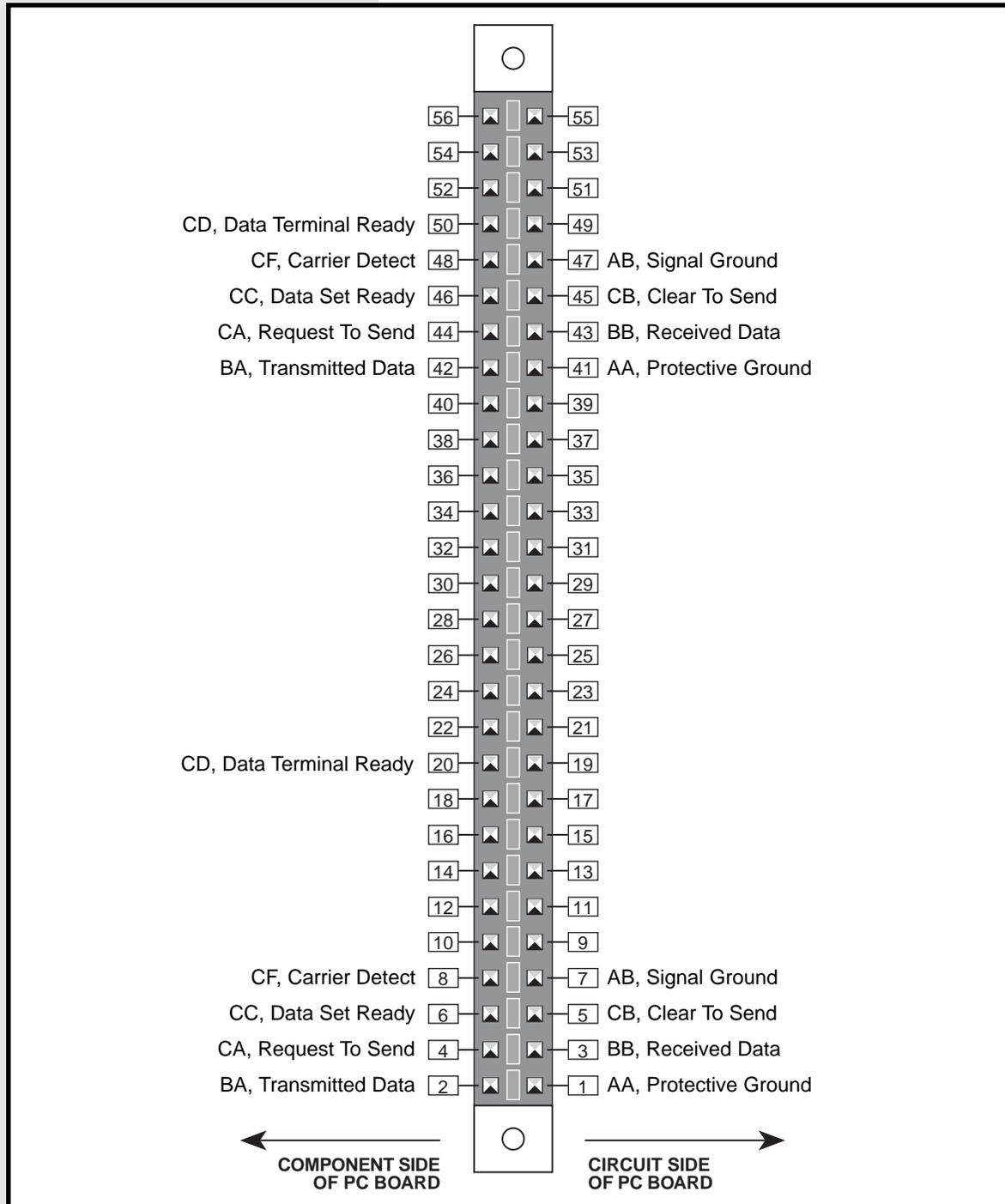
NOTE: *The 46090 front panel, the RS-232 jack sockets, and the connector housings are neither connected to ground nor isolated from ground. Do not use the front panel or any component on the front panel for a test lead or equipment ground. This produces intermittent or unpredictable results.*

TABLE A - CONNECTOR WIRING

| RS-232 PIN | WIRED TO EDGE CONNECTOR PIN |
|--|-----------------------------|
| BOTTOM CONNECTOR - C1 - | |
| 1, AA (Protective Ground) | 1 |
| 2, BA (Transmitted Data) | 2 |
| 3, BB (Received Data) | 3 |
| 4, CA (Request to Send) | 4 |
| 5, CB (Clear to Send) | 5 |
| 6, CC (Data Set Ready) | 6 |
| 7, AB (Signal Ground) | 7 |
| 8, CF (Carrier Detect) | 8 |
| 20, CD (Data Terminal Ready) | 20 |
| TOP CONNECTOR - C2 - | |
| 1, AA (Protective Ground) | 41 |
| 2, BA (Transmitted Data) | 42 |
| 3, BB (Received Data) | 43 |
| 4, CA (Request to Send) | 44 |
| 5, CB (Clear to Send) | 45 |
| 6, CC (Data Set Ready) | 46 |
| 7, AB (Signal Ground) | 47 |
| 8, CF (Carrier Detect) | 48 |
| 20, CD (Data Terminal Ready) | 50 |
| NOTE: <i>All other pins on the RS-232 connectors are unwired, with no connections to ground or the card edge connector.</i> | |

INSTALLATION

FIG. 3 - PIN DESIGNATIONS; 49090-01



TECHNICAL SPECIFICATIONS

| DESCRIPTION | VALUE |
|-----------------------------|--|
| Connector Type | RS-232, Female, 25-pin to a 56-pin card edge connector |
| Wire Size | 24 AWG solid |
| Physical Dimensions | 1.4"W x 6.0"D x 5.6"H |
| Weight | 6.0 ounces |
| Operating Temperature Range | 0 to 55 degrees C |

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

