

00030-10 AND -11 ORDER WIRE SPEAKER/AMPLIFIER PANEL

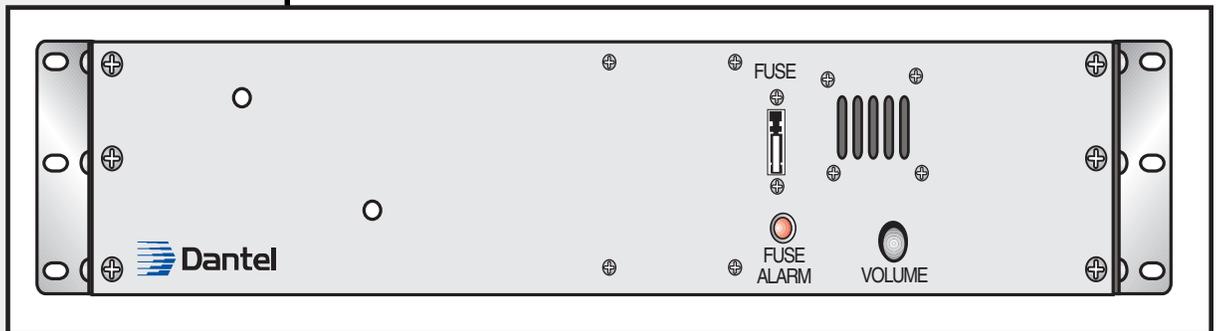


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About this Practice:

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: August 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
A13-00030-10	Order Wire Speaker/Amplifier Panel, Single
A13-00030-11	Order Wire Speaker/Amplifier Panel, Dual

GENERAL DESCRIPTION

Dantel's 00030-10 and -11 Order Wire Speaker/Amplifier Panels provide monitoring facilities for one or two order wire channels. These panels are intended to complement the DTSS3A Selective Signaling Order Wire Terminal, but may also be used for general purpose applications.

The -10 option monitors a single channel while the -11 is a dual assembly. Each panel occupies 3 1/2" (2 rack units) of space in a 19" or 23" wide rack. Reversible attach angle brackets permit easy installation in either size rack.

Panels include, for each channel:

- ◆ Speaker
- ◆ Amplifier
- ◆ Volume Control
- ◆ Fuse
- ◆ Fuse Alarm LED

Each input is transformer isolated and can be strapped for either 600 ohm or bridging impedance. For those applications where the source impedance is very low, a 600 ohm resistor can also be strapped in.

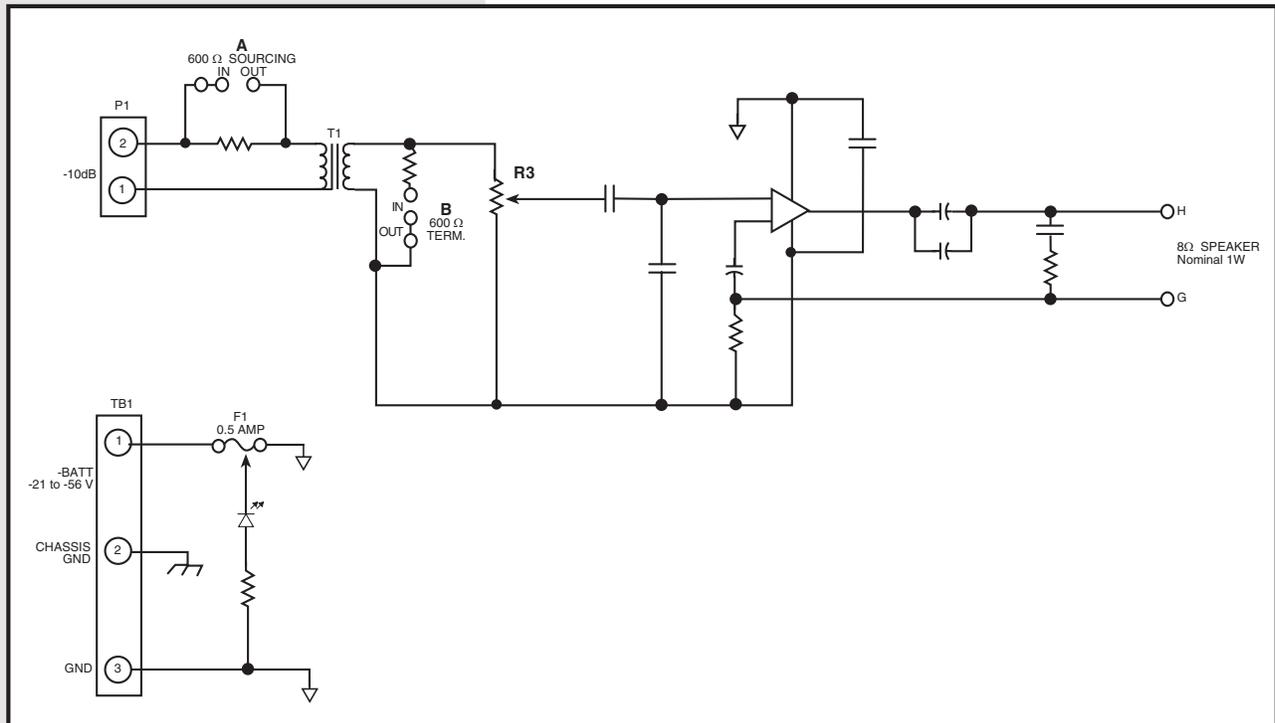
This unit operates on -21 to -56 VDC input power.

CIRCUIT DESCRIPTION

Fig. 1 shows the functional schematic for the 00030-10 Order Wire Speaker/Amplifier Panel.

CIRCUIT DESCRIPTION

FIG. 1 - FUNCTIONAL SCHEMATIC, 00030-10



INSTALLATION

Installation consists of mounting the speaker panel in the rack, setting the strap options (refer to Table A), connecting the signal leads to the wire-wrap pins at P1 (refer to Table B), and connecting the power leads to TB1 (refer to Table C).

Refer to Figs. 2 and 3 for a top view and front view of this unit. Refer to Fig. 4 for terminal locations.

TABLE A - STRAP OPTIONS, 00030

OPTION	STRAP SETTINGS
Bridging Input	A OUT; B OUT
600 ohm Terminated Input	A OUT; B IN
600 ohm Sourcing for low impedance source (used with DTSS3A).	A IN; B IN

INSTALLATION

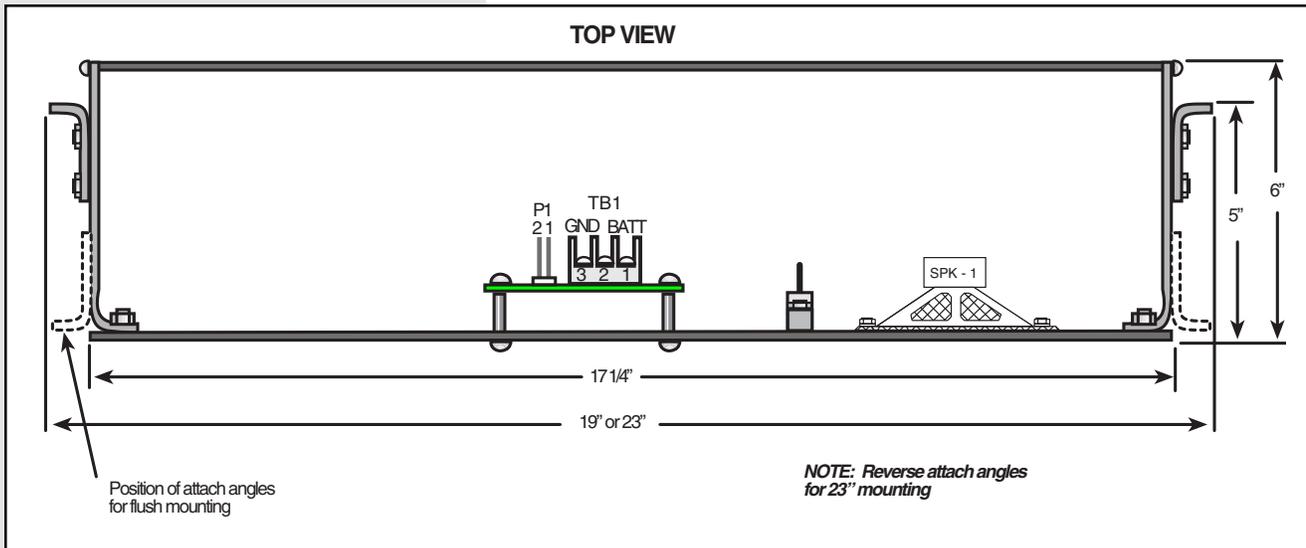
TABLE B - SIGNAL INPUT CONNECTIONS, 00030

INPUT	PIN
Speaker (to P1-12 on DTSS3A)	P1-2
Return (to P1-7 on DTSS3A)	P1-1

TABLE C - POWER CONNECTIONS, 00030

POWER CONNECTION	PIN
-Battery	TB1-1
Ground	TB1-3
Chassis Ground	TB1-2

FIG. 2 - TOP VIEW, 00030



INSTALLATION

FIG. 3 - FRONT VIEW, 00030

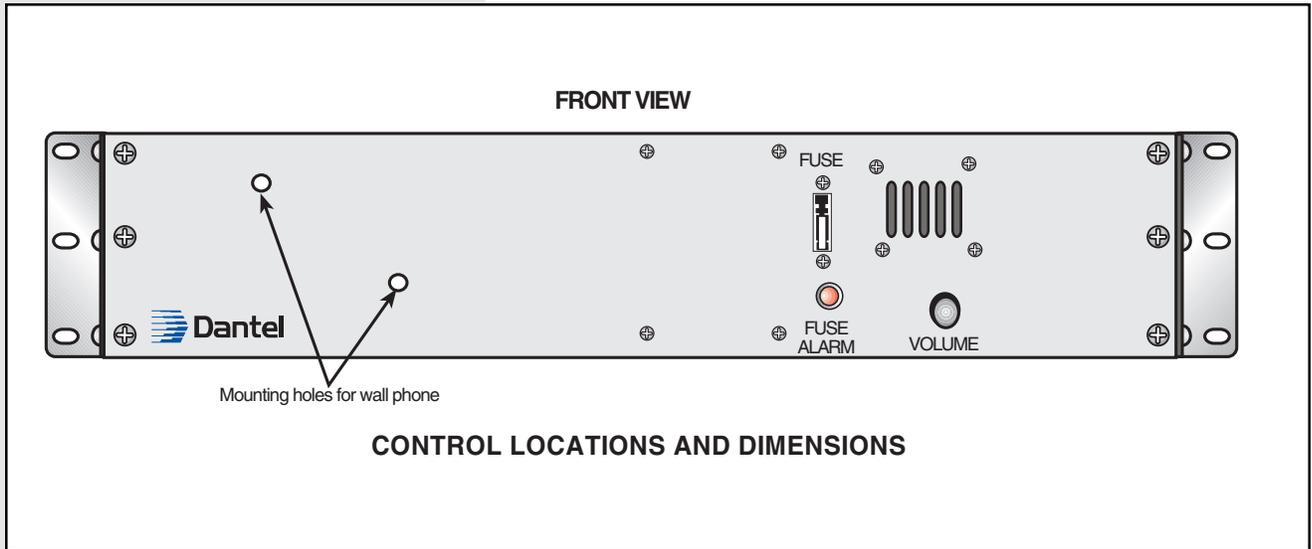
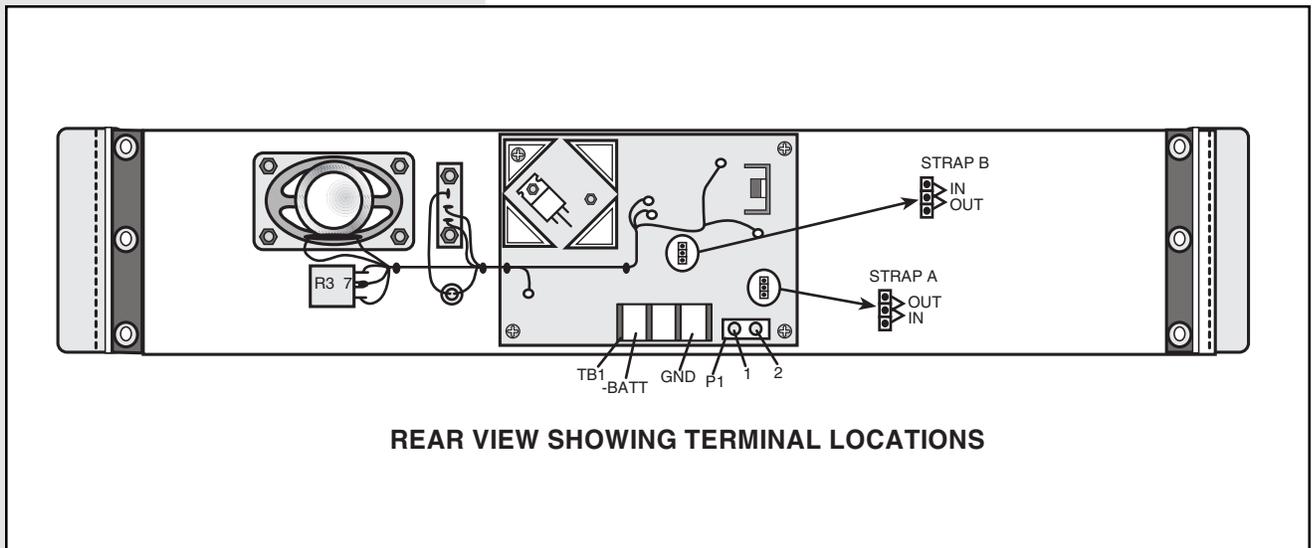


FIG. 4 - REAR VIEW / TERMINAL LOCATIONS, 00030



TECHNICAL SPECIFICATIONS

DESCRIPTION	VALUE
Input Voltage Range	-21 to -56 VDC
Input Current	
-10 Option	
Idle	60 mA @ -56 VDC
Max.	250 mA @ -56 VDC
-11 Option	
Idle	120 mA @ -56 VDC
Max.	500 mA @ -56 VDC
Heat Dissipation	
-10 Option	
Idle	4.9 Btu/Hr @ -56 VDC
Max.	20.5 Btu/Hr @ -56 VDC
-11 Option	
Idle	9.8 Btu/Hr @ -56 VDC
Max.	41 Btu/Hr @ -56 VDC
Output Power	1 Watt
Maximum Input Level	-10 dBm
Frequency Response	300 Hz to 6 KHz ± 1dB @ 1 watt
Input Impedance	600 ohms or 10K ohm, selectable
Weight	2.5 lbs (-10 option); 3 lbs (-11 option)
Physical Dimensions	17.75"W x 3.5"H x 6.0"D
Mounting Projection	5" or flush for 19" or 23" rack.
Operating Temperature Range	0° to 55° C.

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

