

A23-41073 EXIT FLOOR ALARM UNIT



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About this Practice:

This document 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: December 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
A23-41073-00	Aisle Pilot Alarm Unit
A23-41076-00	Mounting Bracket

GENERAL DESCRIPTION

The 41072 Aisle Pilot Alarm Unit provides visual alarm indicators at equipment room exit doors.

The unit can be wired for 10 major and 10 minor alarms. Major alarms are indicated by red lamps on the front of the unit. Minor alarms are indicated by amber lamps on the front of the unit.

A lamp turns on when there is a ground at the circuit's input. The lamp goes out when the ground is removed. There is no latching feature.

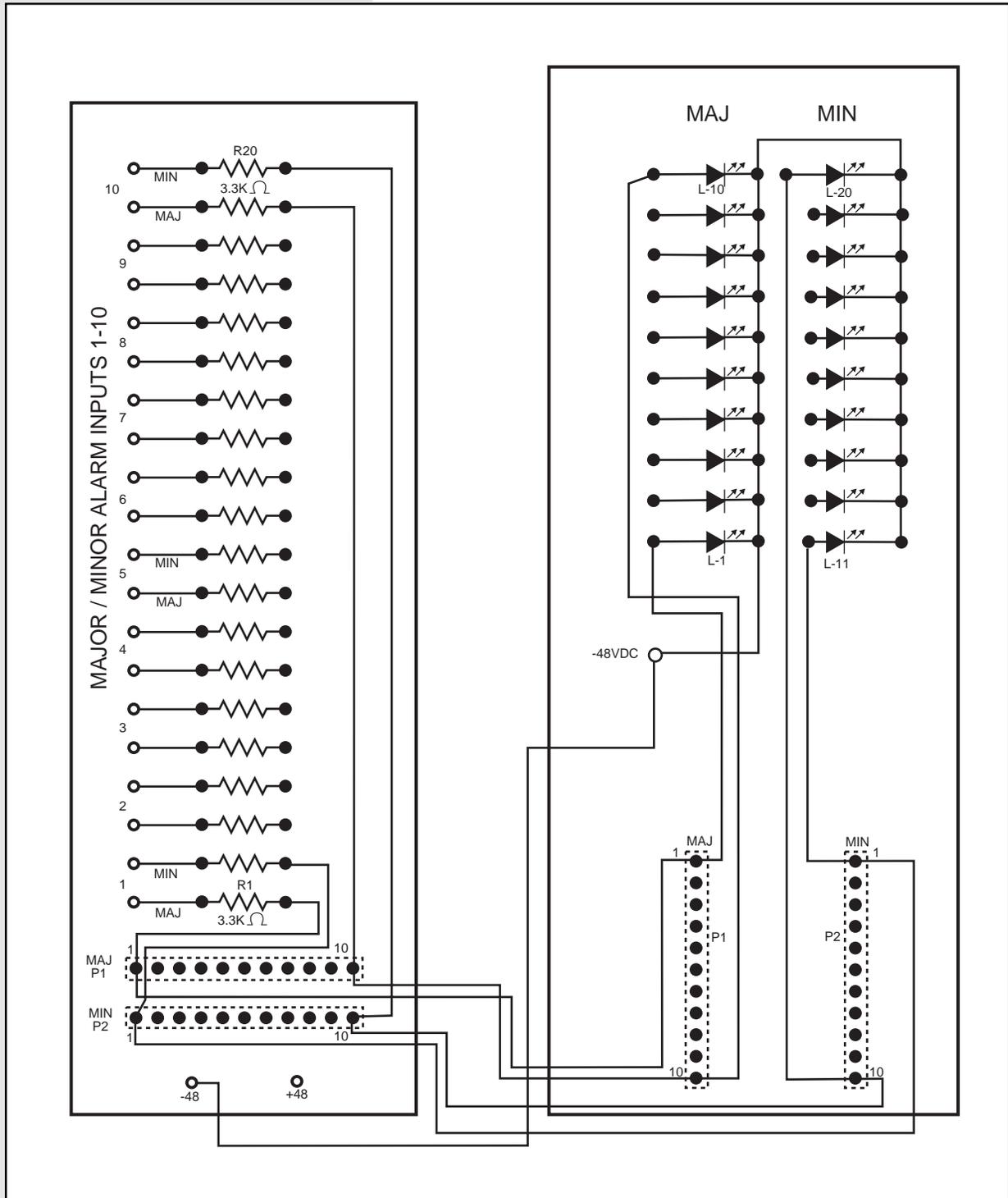
CIRCUIT DESCRIPTION

The schematic diagram for the 41073 Exit Floor Alarm Unit is shown in Fig. 1.

- ◆ Ground alarm inputs are connected through resistors to the lamps. The lamps are wired to -48VDC.
- ◆ When a ground is applied to one of the inputs, the corresponding lamp lights.
- ◆ A ground (labeled +48) terminal in the unit may be used for testing the alarm inputs.

CIRCUIT DESCRIPTION

FIG. 1 - SCHEMATIC, 41073 EXIT FLOOR ALARM UNIT



APPLICATION INFORMATION

The Alarm Display Unit can be installed wherever audible alarm indicators are needed (for example, at the end of an equipment aisle).

The 41073 Alarm Display Unit can be used with the following devices:

MULTIPLE ALARM TRANSMITTERS (MATs):

Inputs to the Alarm Display Unit can come from the A through D alarm level relay outputs from Dantel's 46009 and 46010 Multiple Alarm Transmitters (MATs). Refer to the MAT Practice for pin-outs.

SUMMARY AUDIBLE ALARM MODULE:

You can tie alarm outputs from the relays of Dantel's 46017 Summary Audible Alarm Module (SAAM) to the Alarm Display Unit's inputs. The SAAM has two groups of alarms. Each group has eight inputs but only one output. As a result, the SAAM can accept only two levels of alarms, which can come from MATs or Dantel's 46020 Multiple Alarm Processor (MAP). To report all four alarm levels (A, B, C, D) you need two SAAMs. Refer to the SAAM Practice for pin-outs.

SUMMARY ALARM MODULE:

Dantel's 46019 Summary Alarm Module (SAM) has four inputs to accept the A-D alarm outputs of a MAP. The SAM relay outputs are wired to the Alarm Display Unit's inputs. Refer to the SAM Practice for pin-outs.

CONTROL POINT MODULES:

Dantel's 46028 and 46029 Control Point Modules (CPMs) can "echo" alarms from MATs. If you use this application, you can connect the outputs of the CPMs to the Alarm Display Unit's inputs for alarm indication. Refer to the CPM Practice for pin-outs.

STATUS MONITOR:

The audible and visual alarm outputs from Dantel's 46001 Status Monitor can be wired to the Alarm Display Unit's inputs. Refer to the Status Monitor Practice for pin-outs.

INSTALLATION

This section describes the steps necessary to install the 41073 Exit Floor Alarm Display Unit. Refer to Fig. 1 while following steps 2 and 3.

1. Mount the unit.

Open the unit. The cover is held on with four screws.

Mount the unit using the four mounting holes in the rear of the unit. Use #6 hardware (not supplied). If the A16-41076-00 mounting bracket is used, refer to the mounting bracket documentation.

2. Wire the ground inputs.

- ◆ Route the wiring through the large hole in the top of the unit.
- ◆ Wire the ground outputs from the relays of the MATs, SAAMs, SAMs, or CPMs to the wire-wrap pin terminals as required.

3. Wire power.

Connect the power source, with the power turned off, to the unit.

- ◆ Connect -Battery to the -48VDC pin through a 1 amp fuse.
- ◆ Connect Ground to the +48VDC pin.
- ◆ Close the unit.

OPERATION

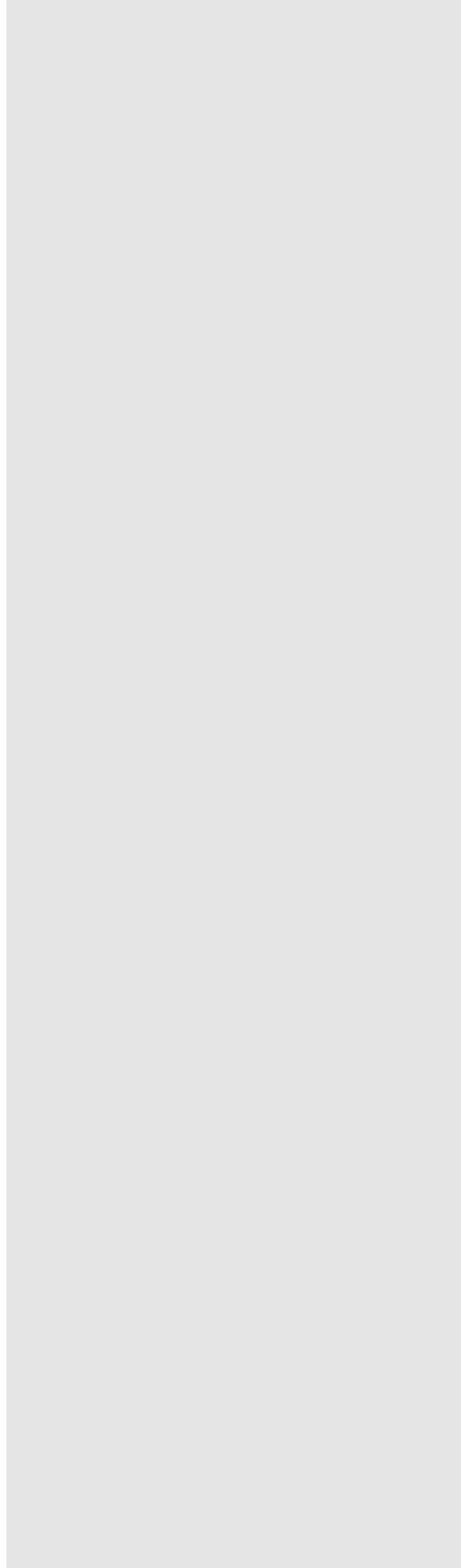
To verify the operation of the 41072 Aisle Pilot Alarm Unit:

1. Apply power to the unit.
2. Activate each alarm input that is connected to the unit. In proper operation, the appropriate light will light.

TECHNICAL SPECIFICATIONS

DESCRIPTION	VALUE
Input Voltage	-48VDC
Relay Coil	
Nominal Power	518-580 mW
Resistance	1070 ohms \pm 10%
Contact Current Rating	2 Amps max.
Physical Dimensions	8.0"H x 4.7"D x 3.5"W
Wire Wrap Pin Dimensions	
Diameter	0.045", square
Length	0.75"
Weight	2.0 lbs

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

