

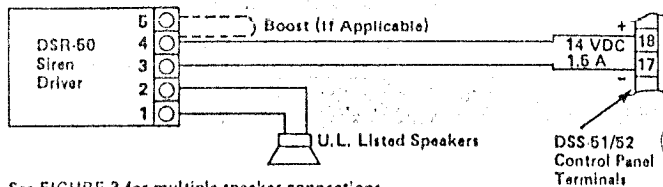
HOOK-UP INSTRUCTIONS

Important: See DSS-51/52 Manual #70-0125 for additional information on installation, operation and testing of a U.L. listed Burglar/Fire Alarm System.

1. Connect Terminals 1 and 2 on the DSR-50 Siren Driver to the speakers as outlined in FIGURES 2 and 3. **USE ONLY 8 OHM SPEAKERS RATED AT 15 WATTS MINIMUM.** Always connect speakers before voltage is applied to input terminals.
2. Connect Terminal 3 on the DSR-50 to the **NEGATIVE** Alarm Output (Terminal 17 on the DSS-51/52 Control Panel).
3. Connect Terminal 4 on the DSR-50 to the **POSITIVE** Alarm Output (Terminal 18 on the DSS-51/52 Control Panel).
4. **USING THE BOOST FEATURE:** The BOOST feature increases the frequency of the sound output, which provides increased sound travel in some outdoor applications. To use the BOOST feature, place a jumper between Terminals 4 and 5.

FIGURE 2

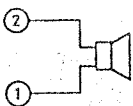
Important: Do not connect more than two speakers or use the boost feature in U.L. listed installations. Never use the boost feature with more than two speakers.



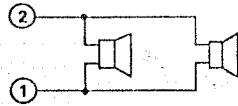
See FIGURE 3 for multiple speaker connections.

FIGURE 3: SPEAKER HOOK-UP DIAGRAMS

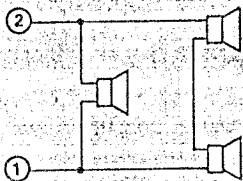
1. Using 1 Speaker



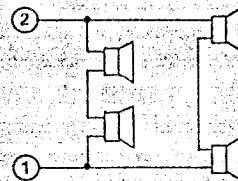
2. Using 2 Speakers



3. Using 3 Speakers



4. Using 4 Speakers



TROUBLESHOOTING GUIDE

Fault: No output from speakers

Correction: Check **ALARM OUTPUT FUSE** on the DSS-51/52 Control Panel. Also check for a shorted speaker coil. A blown speaker coil can be caused by using a speaker rated at less than 10 Watts maximum.

Fault: Very low speaker output

Correction: Make sure that 18 gauge or larger wire is used for speaker runs. Speakers located long distances from the driver require larger wire size.

Manual No. 70-0127
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DSR-50
SIREN DRIVER
MODULE

OPERATING
& INSTALLATION
INSTRUCTIONS

1034 Kiel Court
Sunnyvale, California 94068

DTI SECURITY

Printed in U.S.A.

GENERAL

The DSR-50 Siren Driver Module is designed to be used with the DSS-51 and DSS-52 Control Panels, or any other control, where a siren alarm is desired. When the output of the DSR-50 is connected to an 8 Ohm, 15 Watt speaker horn or other similar alarm speaker, it will provide a high-powered wailing sound to indicate an alarm condition.

SPECIFICATIONS

Operating Voltage: 6-18 VDC (nominal 14 VDC)

Operating Current:

600 mA for 1 speaker, 1.2 Amp for 2 speakers

Sound Output: 112 dB at nominal voltage input

Speakers:

1 to 4 speakers, 8 Ohm, 15 Watt minimum
(Atlas Part #AP-15U)

OPERATION

When a 6 to 18 VDC signal is supplied to the Siren Driver input terminals from the alarm output terminals of the Control Panel, the siren driver will power the speakers connected to the Siren Driver output terminals. A BOOST feature is provided to increase the sound frequency output of the Siren Driver for greater sound travel in open air.

Note: When using the boost feature, do not connect more than two 8 Ohm speakers. Speakers must be rated for a minimum of 15 Watts.

MOUNTING

The DSR-50 Siren Driver Module can be mounted directly to the inside cover of the DSS-51/52 Control Panel. Two mounting holes are provided to accept the screws which secure the DSR-50 Module. It is suggested that the driver be mounted on either the left or center mounting position to allow the DFM-50 Fire Module to be mounted in the right hand position.

FIGURE 1

