

## Overview:

The ALSD2 is a high output very low current draw dual channel siren driver designed to work with alarm panels with limited current capability.

## Specifications:

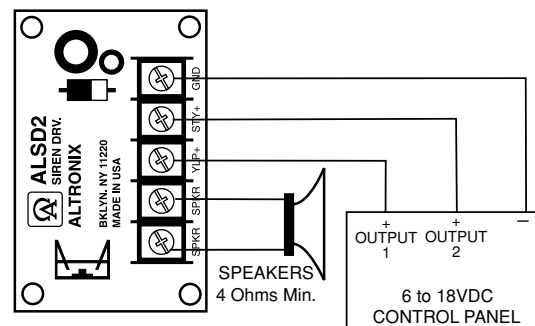
- 6VDC or 12VDC operation.  
Parallel or series speaker wiring  
103 db @ 10 ft. @ 6V - 8 Ohms  
105 db @ 10 ft. @ 6V - 4 Ohms  
106 db @ 10 ft. @ 12V - 8 Ohms  
111 db @ 10 ft. @ 12V - 4 Ohms  
Current draw range from 0.3 amp to 1.22 amp based on speaker resistance and supply voltage.
- Two (2) channel operation - steady or yelp.
- Very low current draw.

Board Dimensions (approximate): 2.5" x 1.9" x 1.1" (63.5mm x 48.3mm x 27.9mm)

## Installation Instructions:

1. Mount the ALSD2 in desired location.
2. Connect 4 Ohm or 8 Ohm speakers to terminals marked [SPKR]
3. Connect 6VDC to 12VDC from output terminals on control panel or other desired power source (observing polarity) to [GND] and [STY+] or [YLP+] on ALSD2.

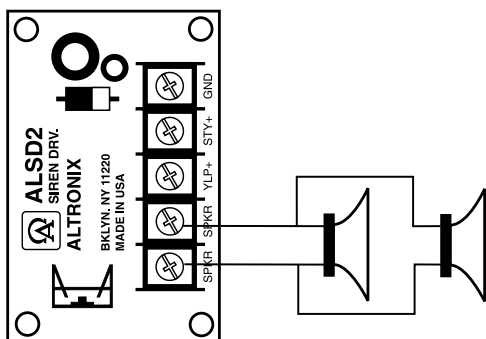
**Note:** Steady tone overrides yelp tone if both channels are triggered simultaneously.



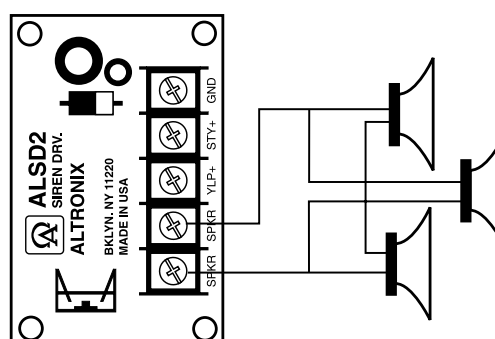
| Voltage | Current Drain | Load   |
|---------|---------------|--------|
| 6V      | 0.3A          | 8 Ohms |
| 6V      | 0.61A         | 4 Ohms |
| 12V     | 0.55A         | 8 Ohms |
| 12V     | 1.22A         | 4 Ohms |

## Typical Speaker Wiring Diagrams:

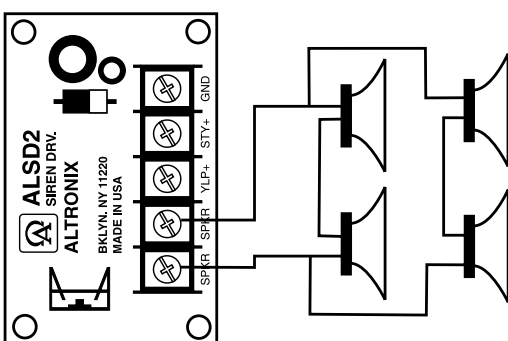
### Two (2) Speakers, 8 Ohms each



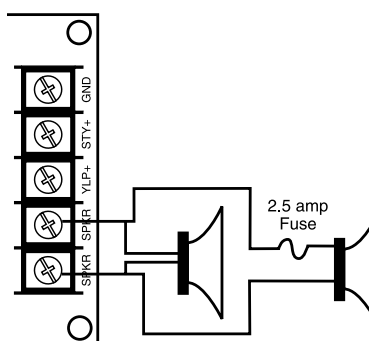
### Three (3) Speakers, 8 Ohms each



### Four (4) Speakers, 4 or 8 Ohms each



### Two (2) Internal/External Hook-up



#### Fusing External Speakers:

Speakers that are accessible from outside a building should have a 2.5 amp fuse placed in series with the speaker leads so that any attempt to short the speaker leads will blow the fuse on that speaker while other speakers will continue to operate.