

# No. 744 MULTI-TONE SIREN DRIVER

## INSTALLATION INSTRUCTIONS

### Features:

- High output.
- Operates on 12V DC.
- Compatible with Ademco 4–16 ohm speakers.
- Powers many combinations of speakers (series, parallel, or series-parallel).
- Separate Burglary and Fire Alarm sounds.
- Programmable type of sound.
- Small compact size for easy mounting using double-faced tape – measures only 2-5/8" x 4" x 3/4".

### Sound Selection

The driver can be programmed for the desired alarm sound, as indicated below.

Jumper Plug Position	SOUND SELECTION	
	FIRE	BURGLARY
NO JUMPER PLUG	Electronic "Bell"	Warble
POSITION 1 (across pins 1 & 2)	Slow Ramp	British two-tone
POSITION 2 (across pins 2 & 3)	Fast Warble	Fast Dual tone
POSITION 3 (across pins 3 & 4)	Same as position 2	
POSITION 4* (across pins 4 & 5)	Warble	Warble

- \* If blue jumper (see Fig.1) is cut with plug in position 4, an output similar to Ademco No. 733 Siren Driver will be produced – "Warble" for BURG, "Steady" for FIRE.

### Output Levels\*\*

WARBLE TONE OUTPUT: 119 dB  
(at 1 meter)

STEADY TONE OUTPUT: 116 dB  
(at 1 meter)

\*\* With Ademco No. 713, 8 ohm,  
30W Speaker

### Driver Current Consumption\*\*\*

With 4 ohm speaker load: 2.5 amps.

With 8 ohm speaker load: 1.3 amps..

With 16 ohm speaker load: 0.9 amps.

\*\*\* At 12V DC

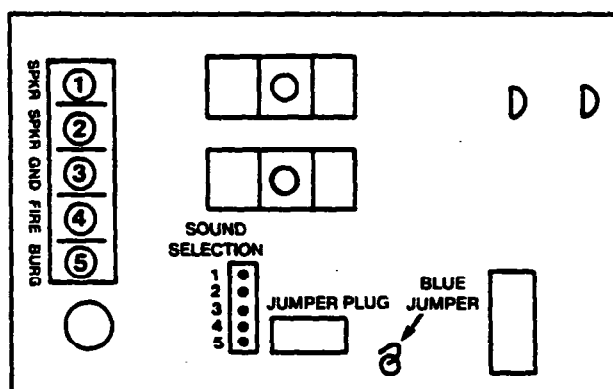


Figure 1. Siren Driver Board

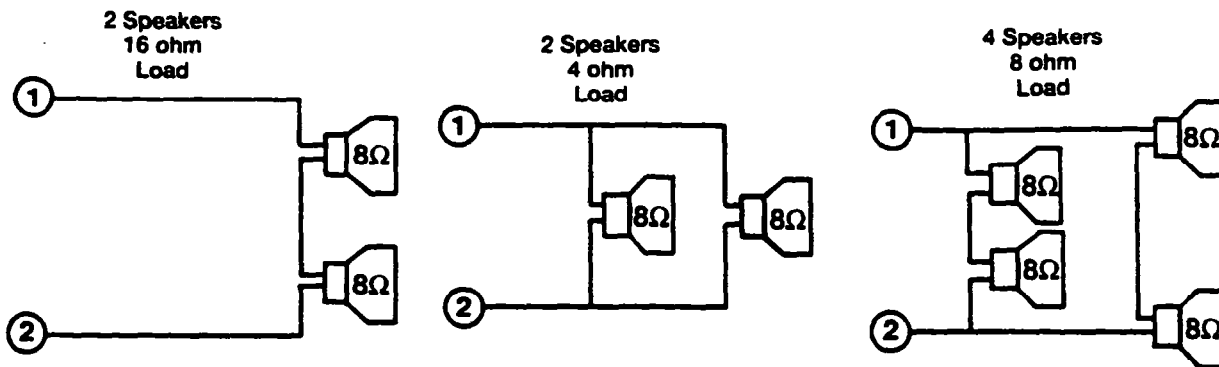
### Wiring Connections

- ① SPEAKER – To siren speaker(s). See Figure 2.
- ② SPEAKER – To siren speaker(s). See Figure 2.
- ③ GND – To ground terminal on control.
- ④ FIRE – To Fire alarm relay† (N.O. term) on control (connect control's COM terminal to 12V+).
- ⑤ BURG – To Burglary alarm relay† (N.O. term).on control (connect control's COM terminal to 12V+).

† If control has only one alarm relay, connect its N.O. relay output terminal to either FIRE or BURG terminals on the driver board. Available choices of sound output will then be restricted to those listed under FIRE or BURGLARY in the table above, depending on your connection.

**IMPORTANT:** 1. Do not use the No. 744 in conjunction with an external bell.  
2. Ademco recommends that the No. 744 be mounted in the control cabinet, not remotely.

(CONT'D OVER)



**Figure 2. Typical Multiple Speaker Configurations (using Ademco No. 713)**

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