Specifications & Instructions

Z729

SIREN DRIVER/OUTPUT EXPANDER

APPLICATION

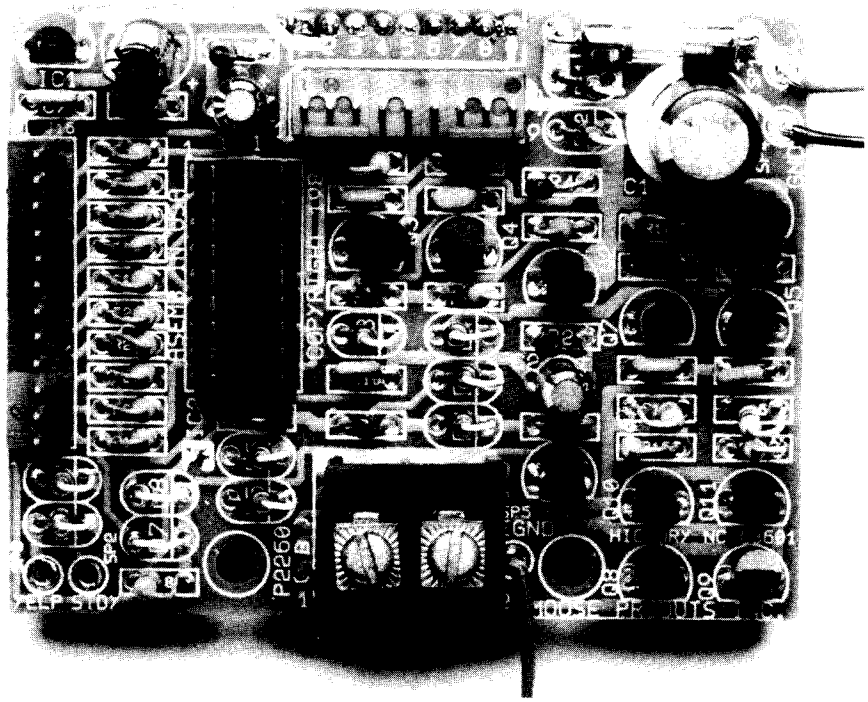
The Z729 is a plug-in option board which provides a high power two channel siren driver and various additional outputs for the Z700 and Z900 Security Controls.

SPECIFICATIONS

- Dimensions: 2.4" x 3.1"
- Idle Current drain (board only): Approx. 10 mA.
- Operating temperature range inside the enclosure: 32°F to 122°F (0°C to +50°C).
- Plugs into Z700/Z900 connector J15.
- Outputs provided through plug-in style connector with flying leads.
- Power source: Powered by the host control.
- Siren output: Yelp and Steady.

FEATURES

- Easy plug-in installation.
- Built-in high power two channel siren driver.
- Expands Z700/Z900 controls to provide 10 additional outputs.
- Optional Z229A may be plugged into Z729 to provide a total of 27 additional outputs.



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INSTALLATION

1. Remove all power from the control board.

2. Insert the two plastic standoffs into the back of the Z729 board as illustrated.

3. Press the connector on the back of the Z729 board onto the mating pins on the top of the Z700 or Z900 board while aligning the standoffs with the control board holes. Carefully press the standoffs into the holes.

4. Attach a spade or ring connector to the Z729 green lead and connect to the earth ground screw of the control. Insure that the control is properly grounded as described in the control's accompanying installation manual.

5. Connect the Z729 black lead to terminal 6 (common negative) of the control board.

6. Connect the Z729 red lead to terminal 5 (Auxiliary Power 2) or terminal 7 (Auxiliary Power 1) of the Z700 or Z900 control board.

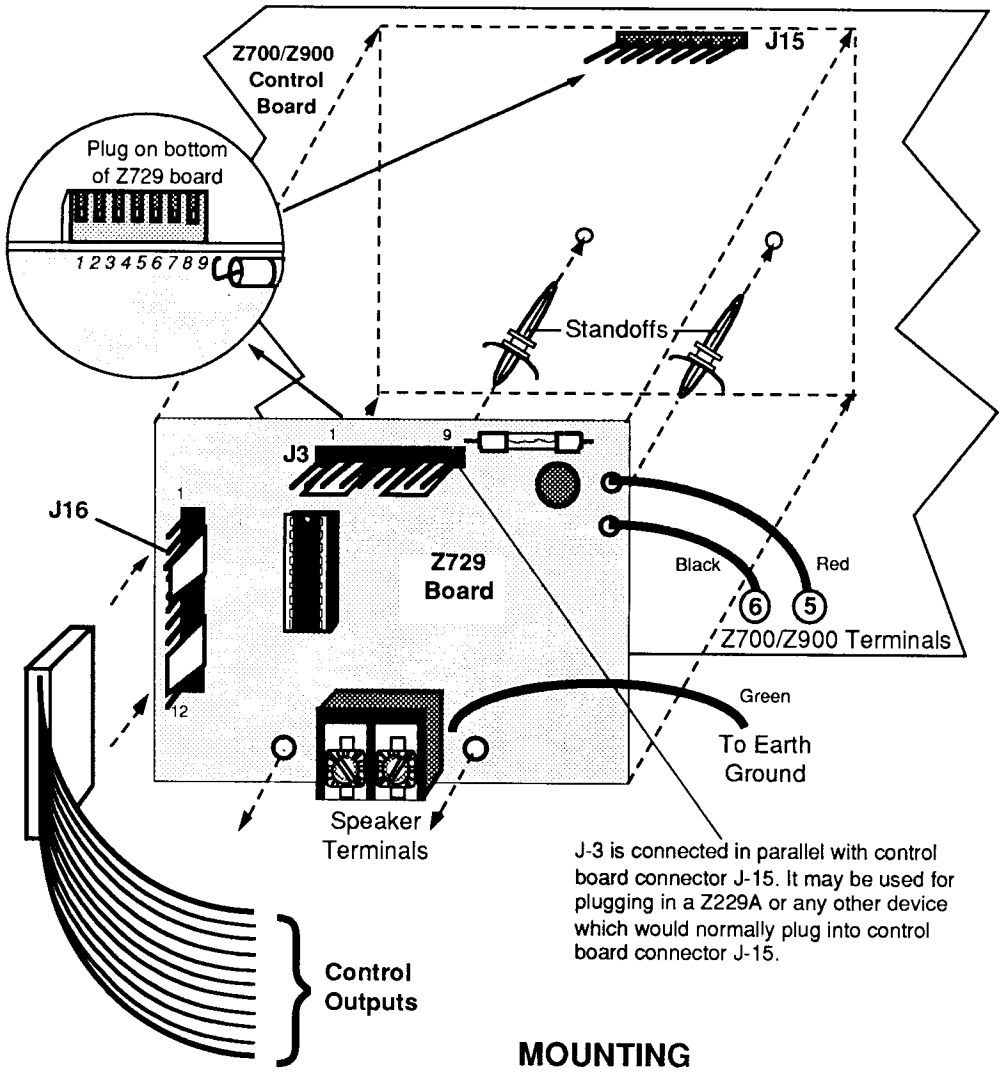
7. If the siren driver is to be used, connect 4-8 ohm siren speaker(s) to the two screw terminals as follows:

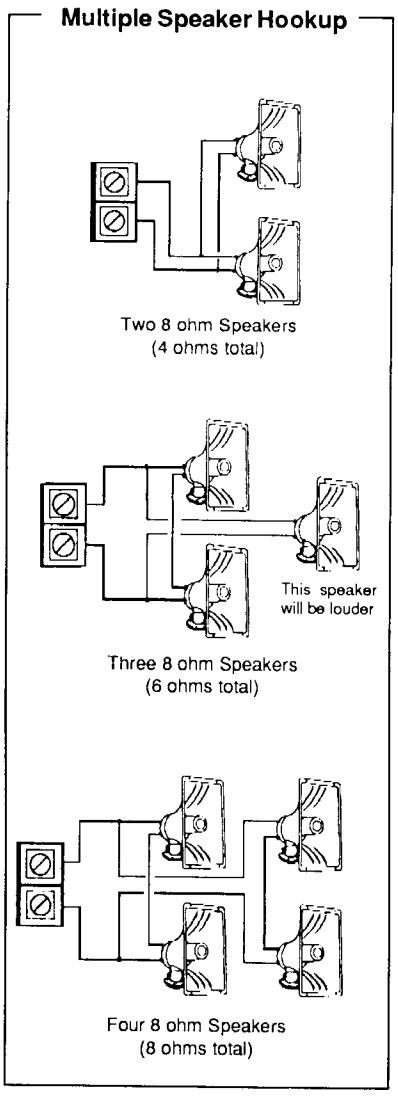
No. of speakers	Wiring method
1	Connect to terminals
2	Parallel (see illustration)
3 or 4	Series parallel (see illustration)

8. If outputs are to be used, plug the 12 wire connector into connector J16 of the Z729 board.

10. Select the desired output wires and connect to the appropriate devices. Do not exceed 30 mA of current drain from any one lead. The maximum combined current drain from the Z729 board and the control board terminals 3, 4, 5, and 7 must not exceed the limits as indicated in the control's accompanying installation manual.

11. Restore power to the control and program the control to provide outputs upon the desired conditions.

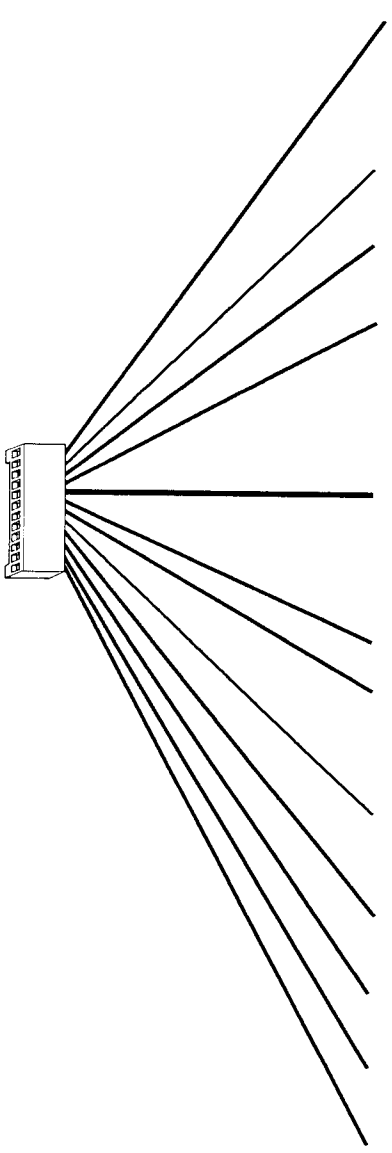




MOUNTING

AVAILABLE OUTPUTS

Alarm outputs and various other function outputs are accessed through connector J-16. The 12 pin plug in type connector with color coded flying leads is provided to plug into connector J-16. Outputs 3 thru 12 are capable of triggering low auxiliary relays, an optional MPI-206SP Relay Board, or any auxiliary device that either consumes less than 30 milliamps at 12 Volts DC or that has a low current trigger input. More than one of these outputs can be used to trigger the same low current trigger terminal. For example, the Auxiliary "B" and Burglar outputs (10 and 12) can both be connected to a relay which drives an audible annunciator. Outputs 1 and 2 provide positive and negative auxiliary power for powering accessories.



Pin (lead)	Function	Description
1. Red	+12 Volt DC	This lead provides additional access to terminal 5(Aux. 2 Power) of the control. Do not exceed the limits of the control when using this output.
2. Black (-)	Negative	Common power supply Negative from the control.
3. White	Access	Provides a (+)12VDC output when an ACCESS code is entered at the keypad.
4. Green	Lamp	Provides a 2 minute (+) 12 VDC output when any control station key is pressed, entry or exit delay begins, AC power fails, or when any type of alarm occurs. This output could be used to trigger a line carrier transmitter which could turn on or flash lamps or flood lights thru the use of various line carrier receivers.
5. Brown	Pre-Alarm	Provides a (+)12VDC output for a remote or auxiliary pre-alarm. This output activates during entrance and exit delay warning and during all Burglar, Auxiliary "A", Auxiliary "B" , Auxiliary "C" alarms, control station key depressions and all error tones.
6. Blue	Ready	Remote burglar zone ready indicator.
7. Orange	Violation	Provides a (+)12VDC output upon activation of any alarm condition. May be used to activate a strobe or auxiliary indicator. This output stays active until the system is disarmed or manually reset.
8. Yellow	Armed	Provides (+) 12 VDC remote Burglar armed indicator. If closing reports are programmed this output will not be active until the kissoff has been received from the central station.
9. Purple	Auxiliary "C"	Provides a (+)12VDC output upon either a hardwire zone or emergency panic activated Auxiliary "C" (Emergency) alarm.
10. Gray	Auxiliary "B"	Provides a (+)12VDC output upon either a hardwire zone or emergency panic activated Auxiliary "B" (Police) alarm.
11. Pink	Auxiliary "A"	Provides a (+)12VDC output upon either a hardwire zone or emergency panic activated Auxiliary "A" (Fire) alarm.
12. Tan	Burglar	Provides a (+)12VDC output upon activation of a Burglar alarm.

ADDITIONAL OUTPUTS

A Z229A Output Expansion Module may be plugged directly into connector J3 of the Z729 board to provide 17 additional outputs as follows: Zone 1 - 6 Alarm Status, Supervisory/Trouble, Fail to Communicate, Smoke Reset, Listen-in, Zone 1 - 6 Ready Status, and Ground Start.

CAUTION: J-16 Outputs 3 thru 12 provide a maximum of 30 milliamps each and cannot directly drive high current draw devices such as a bell or horn. Damage to the control board will result. Power for high current devices must be obtained from Z700/Z900 terminals 5 or 7, or other high current power supply and must be switched through an optional relay such as the MPI-206SP. Maximum combined continuous current drain from Z700/Z900 terminals 3, 4, 5, 7, and connector J15 must not exceed the limits indicated in the control's accompanying installation manual.

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