

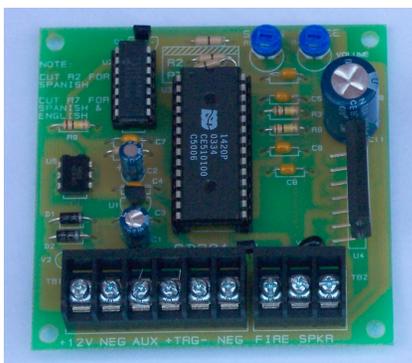


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Installation & Wiring Instructions

SD-301 Voice Siren Driver

The SD-301 voice Siren Driver provides pre-recorded voice messages and two siren tones. Two input channels are provided, burglary (BA) and fire (FA). The SD-301 alternates between siren tone and voice message for the channel that is tripped or can be customized using switches for several options.



CONNECTIONS TO THE CONTROL PANEL

A. Controls with a single siren

or bell output (Steady = Burglar, Pulsed = Fire)

Examples of this kind of panel are models from DSC and Ademco.

For activation on a positive trigger input (low going high)

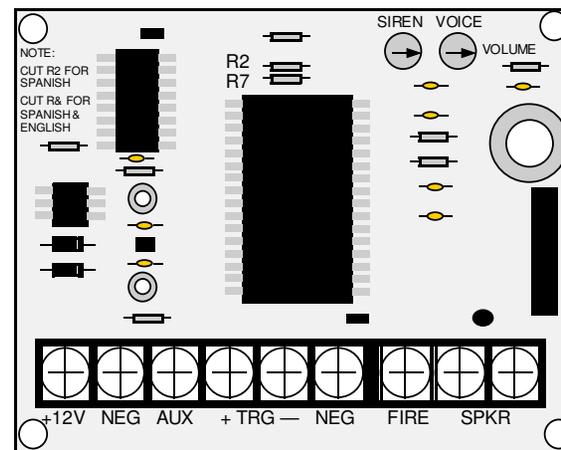
1. Connect the control panel's siren output to the TRG+ terminal on the SD301. Connect the TRG- terminal to a Negative on the control.
2. Connect +12V and NEG to the terminals on the control panel's Aux. Power output. Connect TRG- to the adjacent terminal marked NEG.
3. Application of a steady voltage will result in a *Burglar* signal. If the voltage ever pulses, the SD-301 will switch over to the *Fire* message.

For activation on a negative trigger input (high going low)

Some DSC controls provide a negative trigger input. Connect these as follows.

1. Connect the +12V and NEG terminals to the control panel's Aux. Power output.
2. Connect the siren or bell output to the TRIG- terminal on the SD301. Connect the TRIG+ terminal to the adjacent terminal marked AUX.
3. Application of a steady negative voltage will result in a *Burglar* signal. If the voltage ever pulses, the SD-301 will switch over to the *Fire* message.

Note: With controls of this type, the channel two input normally connected to the SD-301's FIRE terminal is never active, and this terminal may be ignored.



B. Controls with dual siren trigger outputs

Examples of this kind of panel include Napco and some Ademco models.

For activation on a positive trigger input (low going high)

1. Connect the control's BURG output to TRIG+ on the SD-301. Connect the FIRE output of the control to the terminal marked +12V on the siren. Connect +12V from the control to the terminal marked +12V on the siren. Connect a NEG to the terminals marked NEG and TRIG- on the SD301.
2. Application of a positive signal to Channel 1 will result in a *Burglar* message. Application of a signal to Channel 2 will result in a *Fire* message. If both channels are triggered at the same time, *Fire* will take priority.

For activation on a negative trigger input (high going low)

Connect the control's BURG output to TRIG- on the SD-301. Connect the

1. FIRE output of the control to the FIRE terminal on the SD-301. Connect +12V from the control to the terminal marked TRIG+ on the siren. Connect a NEG to the terminals marked NEG and TRIG- on the SD301.
2. Application of a positive signal to Channel 1 will result in a *Burglar* message. Application of a signal to Channel 2 will result in a *Fire* message. If both channels are triggered at the same time, *Fire* will take priority.

VOICE MESSAGES

Messages are available in English or Spanish, according to switch settings. Each channel has a repeat cycle.

Burglar Alarm Message (English): Pulsed klaxon horn, followed by *You have violated a security system. The authorities have been notified.*

Burglar Alarm Message (Spanish): Pulsed klaxon horn, followed by *Intruso, Intruso. Salir inmediatamente*

Fire Alarm Message (English): Pulsed klaxon horn, followed by *The fire alarm has been activated. Please leave immediately*

Fire Alarm Message (Spanish): Pulsed klaxon horn, followed by *Incendio, incendio. Salir inmediatamente.*

Pulsing BA Input Message (Same for English and Spanish): Pulsed klaxon horn, followed by *The fire alarm has been activated. Please leave immediately.*

TERMINAL CONNECTIONS

+12V Connect this terminal to a +12V DC 24 hour auxiliary source rated 2 Amps or more to supply all the operating current and allow BA and FA channels to be triggered from low current outputs rated 5 to 40 milliamps with a minimum trigger voltage of 6V DC. If the control has no auxiliary output rated 2 Amps or more, it is possible (at your own risk) to connect this terminal directly to the stand-by battery, using a 2 Amp in-line fuse and holder for safety.

NEG Connect to a common negative (-) of the control panel or power supply.

AUX If you are using a positive trigger, connect the jumper provided between this terminal and the TRG+ terminal.

TRG+ Use this terminal if you are using a positive trigger. Connect to a +12V DC burg. alarm output rated and fused at 2 Amps or more. When the burg. alarm output is activated, the burg message will play. Pulsing this input on/off in intervals of between half a second and a second will activate the fire channel message and tone, if the +12V terminal is connected to a constant +12V DC source (see below). Also connect the jumper provided between this terminal and the AUX terminal.

FIRE: Connect to a +12V DC fire alarm output rated and fused at 2 Amps or more.

TRG- Use this terminal if you are using a control with a switched negative burg. alarm output. Connect the output to the TRG -terminal, instead of connecting the TRG+ terminal as described above. Pulsing this input on/off in intervals of between half a second and a second will activate the fire channel message and tone.

SPEAKER TERMINALS

Connect one or more 8 Ohm speakers in parallel or series, ensuring that the combined resistance is not less than 4 Ohms. The alarm output should be fused at 3 Amps maximum for short circuit protection.

SPEAKER CONNECTIONS

