

APPLICATION

The ELK-75 is a self-contained Voice Siren mounted in an attractive surface mount plastic enclosure. The enclosure features the exclusive ELK "Echo" design in which the sound comes out around the back of the speaker and no holes are present on the front of the speaker enclosure. It produces high quality pre-recorded voice messages along with loud siren sounds. It features two (2) channels, one for Burglary and one for Fire. The voice message and the siren alternately sound whenever one of the channels is activated. The ELK-75 may be customized by use of removable on-board jumper plugs. For example: our **MilliMiser™** option allows the already low current draw of the ELK-75 to be reduced even lower. This is ideal for controls with limited alarm output power. The attractive wall or ceiling mount plastic enclosure fits into most all decors and it may be painted or wallpapered.

FEATURES

- Installer Friendly - Compact & Easy To Mount.
- Two Input Channels, Burglar & Fire.
- Bilingual Voice - *English Or Spanish*.
- Temporal Coded Bell for Fire signalling.
- **MilliMiser™** - Lower Current Draw.
- **ComboTrigger™** - Single Alarm Outputs.
- **VolumeStep™** - Gradual Volume Rise.
- Lifetime Limited Warranty.

SPECIFICATIONS

- Operating Voltage: 10 to 14 Volts D.C.
- Sound Level: 110 db **.
- Nominal Current Drain: 1.25 Amps.
- **MilliMiser™** Current Drain 600 mA.
- Mounting Hardware Included.
- Size: 4.375" H x6.375" W x1.875" D.
- Patent Pending.

** 13.8 VDC @ 1 meter.

VOICE MESSAGES

Voice messages may be spoken in English only, or Spanish and English, based on the **LS** jumper option. (See Jumper Options) Each channel has an initial cycle, followed by a repeating cycle.

BA (Burglar English only): *3 Sec. Tone, Intruder, intruder, leave immediately* followed by warble or pulsing buzzer sound. Repeat

FA (Fire English only): *Fire, fire, leave immediately* followed by a Temporal Coded Bell sound. Repeat

BA (Burglar Spanish & English): *3 sec. tone, Intruso, intruso* followed by warble or pulsing buzzer sound. Repeat in English.

FA (Fire Spanish & English): *Incendio, incendio* followed by a Temporal Coded Bell sound. Repeat in English.

INSTALLATION for ELK- 75

1. Remove the front cover by inserting and twisting the tip of a wide flat-blade screwdriver in the slots along the bottom of the housing.
2. Mounting holes are provided on the backplate for a standard electrical J-box as well as for direct surface mounting (hardware included).
3. Connect all wiring to the control panel as follows. Recommended wire gauge is 18 AWG. Smaller gauges may be used if distances are short.

NEG: Connect to a common negative (-) on the control panel.

FIRE: Connect to the positive (+) 12 Vdc FIRE alarm output rated and fused for 2 Amps or greater. NOTE: The **FIRE** and **+BA** terminals will draw the maximum operating current unless the **+12V** terminal is connected as explained below. Pulsing *ComboTrigger™* Option: If the control has a single alarm output that can be programmed to pulse for a fire condition, this connection may be omitted. Refer to the instructions for the **+BA** and **+12V** for more specific information.

+BA: Connect to the positive (+) 12 Vdc BURGLARY alarm output rated and fused for 2 Amps or greater. If a steady voltage is applied to this input, the Yelping siren and Burglary voice message will play. Pulsing *ComboTrigger™* Option: If a pulsing (.5 to 1.5 second on/off interval) voltage is applied to this input the Fire channel message and bell sound will play, provided the **+12V** terminal is connected as explained below. This *ComboTrigger™* feature makes the ELK-75 an ideal siren driver since most controls today have only a single alarm output.

+12V: Connection of this terminal to a positive (+) 12 VDC constant power source rated and fused for 2 Amps or greater supplies all of the operating current to the ELK-75 and allows the **+BA** (Burglar) and **Fire** inputs to be triggered by low currents of 5 to 40 milliamps. Also, this connection is required in order for the Pulsing *ComboTrigger™* Option to be utilized. NOTE: If the control doesn't have a constant power source rated 2 Amps or greater, it is possible to connect directly to the standby battery using an in-line fuse holder and a 2 Amp fuse for safety.

- BA: ALTERNATE - Some controls (DSC & others), switch on and off the negative (-) side of the alarm output instead of the positive (+) side. The ELK-75 can easily accommodate this type of operation. Simply connect the **-BA** terminal to the **negative (-)** alarm output terminal on the control. Then connect the **+12V** terminal to the positive (+) alarm output terminal, and the **NEG** terminal to any common negative (-) terminal on the control. The -BA input also has the Pulsing *ComboTrigger™* operation which eliminates the need to connect to the **+BA** or the **FIRE** terminals.

BONUS: ADDITIONAL SPEAKER - For convenience and economy up to one (1) additional 8 Ohm speaker may be connected to the ELK-75. For Example: Through-the-wall mount .. Mount another speaker (indoor or outdoor) on the opposite side of the wall from the ELK-75 and drill a hole for a two (2) conductor wire. Connect the extra speaker in parallel with the ELK-75's built-in speaker. MIN RATING = 20 Watt (ELK-70, ELK-14, ELK-1...)

NOTE: The ELK-75 Siren is factory set for for maximum loudness and current draw. To change the unit for lower current draw and loudness, remove the *Millimiser™* option jumper marked "MM".

Jumper Options:	
MM (Millimiser)	Closed = Full Current. Open = Millimiser Low Current Draw. Current draw is reduced by about 50% with only 8-10% less volume.
SS (Sound Select)	Closed = Warble Siren Sound Open = Pulsing Buzzer Sound
LS (Language Select)	Closed = Messages spoken in English Only Open = Message is Spanish then English
VS (Volume Step)	Closed = Full Volume. Open = Volume Step. Siren initially starts off at low volume and steps up gradually to full volume in 90 seconds.

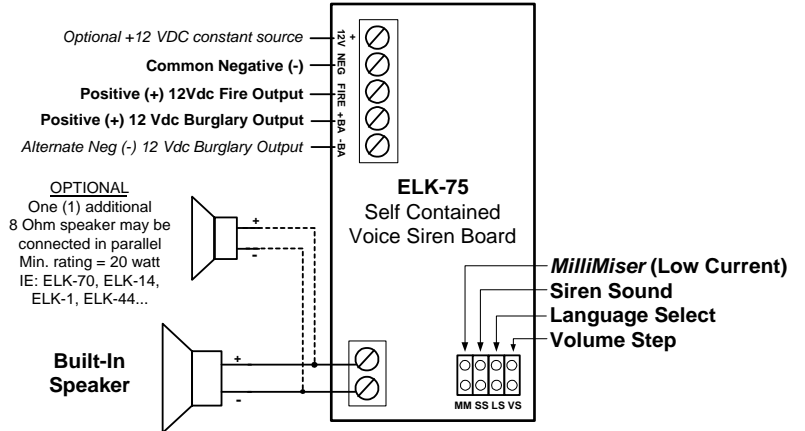


FIGURE 1: WIRING HOOKUP

LIFETIME LIMITED WARRANTY

Elk Products, Inc. ("Manufacturer") warrants to the original purchaser (the "Customer") that the products it manufactures ("Product") shall be free from defects in material and workmanship at time of shipment. Manufacturer's obligations under this Limited Warranty shall be limited to repairing or replacing, at its option, free of charge, any product returned to Manufacturer freight prepaid. Manufacturer shall have no obligation under this Limited Warranty or otherwise if (1) the Product has been damaged by negligence, accident, mishandling, lightning or flood, or other Acts of God, (2) the Product has not been operated in accordance with its operating instructions, (3) the Product has been altered or repaired by anyone outside Manufacturer's authorized facilities (4) adaptations or accessories have been made or attached to the Product which, in Manufacturer's sole determination, have adversely affected its performance, safety or reliability. Products such as batteries and fused transformers have their own warranties, and are not included in this Limited Warranty.

If a product should malfunction or fail, contact Manufacturer or one of its authorized distributors for a Return Authorization (RA) number. Returned Products must include a complete description of the problem, along with the RA number clearly marked on outside of the package. Manufacturer will not be responsible for any unnecessary items included with any returned Product.

THIS WARRANTY IS THE EXCLUSIVE WARRANTY FOR ANY PRODUCT. MANUFACTURER SPECIFICALLY DISCLAIMS ANY AND ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. MANUFACTURER SHALL NOT BE LIABLE IN TORT, INCLUDING NEGLIGENCE OR STRICT LIABILITY, AND SHALL HAVE NO LIABILITY AT ALL FOR INJURY TO PERSONS OR PROPERTY. MANUFACTURER'S LIABILITY FOR FAILURE TO FULFILL ITS OBLIGATION UNDER THIS LIMITED WARRANTY OR ANY OTHER LIABILITY IN CONNECTION WITH A PRODUCT SHALL BE LIMITED TO THE AMOUNT OF THE PURCHASE PRICE RECEIVED BY MANUFACTURER FOR THE PRODUCT. THE REMEDIES STATED IN THIS LIMITED WARRANTY ARE THE CUSTOMER'S EXCLUSIVE REMEDIES AGAINST MANUFACTURER REGARDING ANY PRODUCT. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS AND REVENUES, INCONVENIENCE OR INTERRUPTIONS IN OPERATIONS, OR ANY OTHER COMMERCIAL OR ECONOMIC LOSSES OF ANY KIND. THESE LIMITATIONS AND DISCLAIMERS ARE NOT MADE BY MANUFACTURER WHERE PROHIBITED BY LAW. SOME STATES PROHIBIT LIMITATIONS OF WARRANTIES AND THE CUSTOMER MAY HAVE ADDITIONAL RIGHTS IN THOSE STATES.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.