

Siren & Stainless Steel Enclosure

ELK-150RT

The ELK-150RT is a self-contained Siren in a tampered "No Rust" stainless steel enclosure. It features two sealed reed tamper switches, one on the Back plate and one on the Front Cover. The switches are normally closed and pre-wired in series. The ELK-150RT can produce two distinct sounds from a single input trigger. The stainless steel exterior reflects the color of the mounting surface allowing the ELK-150RT to blend easily with any residential or commercial building.

Also available is the ELK-45 which is the self contained siren without the stainless enclosure; the ELK-SL1 Strobe Light which can be added to the enclosure, and the ELK-1RT which is a 30 watt speaker in the stainless enclosure.

The *ComboTrigger™* option allows controls which have a single alarm output and pulsing option to activate both the burglar and fire alarm sounds. The *MilliMiser™* option allows the already low current draw of the ELK-150RT to be reduced even lower. This is ideal for controls with limited alarm output power.

Features

- Installer Friendly - Easy to Mount.
- Sealed Reed Tamper Switches at single bolt closure and at rear of cabinet.
- No Rust - No Mess - Exterior / Interior use.
- Compact - Less Noticeable.
- Loud - Rivals Sound of Larger Speakers.
- Heavy Duty 1.8 lb Magnet.
- *MilliMiser™* Lowers Current Draw.
- *ComboTrigger™* For Single Outputs.
- Stainless Mounting Hardware Included.
- Lifetime Limited Warranty.

Specifications

- Operating Voltage: 6 to 14 Volts D.C.
- Current Draw: 1.2 Amps, (700 mA on *MilliMiser™*)
- Sound Level: 118 dB @ 1 meter, 14 Volts DC.
- Enclosure: #304 Stainless Steel.
- Size: 5"H x 5"W x 4"D.

Features and Specifications subject to change without notice.

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05/02



ELK-150RT
with optional
ELK-SL1C
Clear Strobe



Cut-away
view



Components of
ELK-150 RT

ELK
PRODUCTS, INC.

Install top edge of backplate at least 1" below any soffit or building overhang.

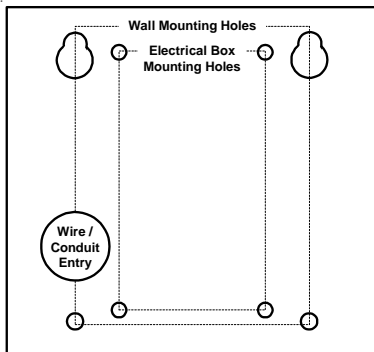


Figure 1

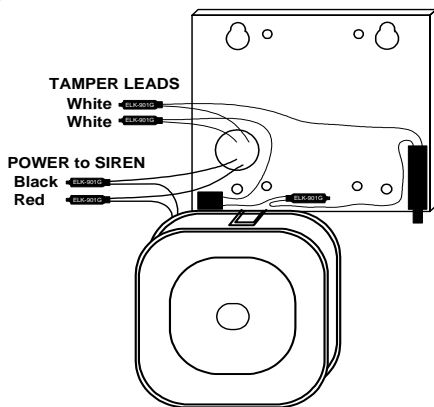


Figure 2

Tuck wires into lower corner of backplate away from top inside corners.

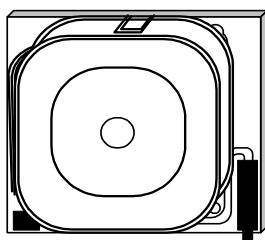
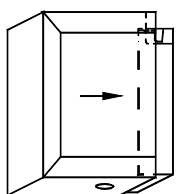
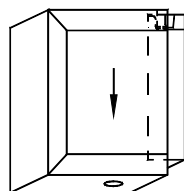


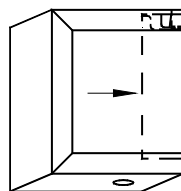
Figure 3



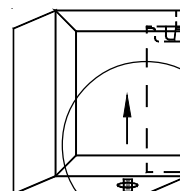
Slide over speaker.



Lower tabs into slots.



Push towards wall.



Lift up to lock, then secure with hex bolt.

Tamper switch is closed by the front cover during the final 3 to 4 turns of the hex bolt.

Figure 4

INSTALLATION OF THE ELK-150RT SIREN

The ELK-150 RT is a self-contained siren in a tampered "No Rust" stainless steel enclosure. It incorporates two sealed reed tamper switches for enhanced reliability and ease of use.

- Using the backplate as a template, mark and drill the 4 mounting holes and the wire or conduit entry hole (see Figure 1). Insert the (4) 1/4 x 1" wall anchors, then partially install the top two #10 x 1" screws.
- Route the wire or conduit through the hole provided and hang backplate on the top screws. Then install remaining two screws and tighten all four.
- Temporarily hang the Siren/speaker on the backplate by aligning the slotted insert on the top edge of the Siren with the 1/2" recessed tab on the bottom edge of the backplate. Press Siren onto tab. (See Figure 2)
- Connect the two white wires from the tamper switches to a 24 hour closed loop on the control panel (the switches are already connected in series).
- Connect the **Red (+)** and **Black (-)** wires from the Siren to the control's **alarm output**. The Siren produces a Yelp sound from a constant voltage input. If the voltage input is pulsed the siren produces a low pitch rise. This **ComboTrigger™** feature allows two sounds to be activated by a control that has only a single alarm output with a pulse option. Recommended wire gauge from control is 18 AWG.
 - NEG (-) Black = Negative (-) terminal from Control's Alarm output.
 - YELP (+) RED = Positive (+) terminal from Control's Alarm output
- NOTE: The Siren is factory set for maximum loudness and current draw. To change the unit for lower current draw and loudness, remove the four screws and cover from the back of the siren. Find the Red speaker wire and follow it to where it solders to the circuit board. Cut this Red wire approx. 3" back from the board. Find the unused Yellow wire that is soldered to the circuit board. Using the provided wire nut, splice the Red wire from the speaker to the Yellow wire going to the board.
- Move the Siren/speaker from its hanging position to its final mount by aligning its top and bottom slots with the 1/2" tabs on the top edge of the backplate and in the bottom center above the bolt threads. (See Figure 3) Press firmly.
- Slide front cover over speaker. Lift up to engage the tabs in the cover with the two "U" shaped slots on the top edges of the backplate. (Figure 4) Lower cover until tabs are in slots. Push cover towards wall, then lift up to lock tabs in slots. Thread 1/4-20 hex bolt into hole on bottom of cover and tighten until secure.
- The front cover tamper switch is pressed closed by the front cover during the final 3 to 4 full turns of the hex bolt. If possible, test the operation of the tamper switch using a continuity meter.

Note: The ELK-150RT is designed for Single Output Alarm Controls that use a STEADY Output for BURG or a PULSING Output for FIRE. For an Alarm Control panel that has separate BURG and FIRE alarm outputs connect the Red wire to each output, then program one output for Steady(Burg) and the other for Pulsing(Fire). Connect the Black wire to Neg.