ENFORCER®

Self-Contained Siren or Siren/Strobe

Installation Manual

CE RoHS

SH-816S-SQ/R shown

Model	Product	Mount
SH-816S-BQ	Siren	Surface or back box (single-gang, double-gang, or C-type)
SH-816S-SQ/x*	Siren with Strobe	Surface or back box (single-gang, double-gang, or C-type)

*Replace "x" with the first letter of the lens color, amber, blue, clear, or red.

The ENFORCER Siren/Strobe is a multi-purpose device: siren, speaker, and (SH-816S-SQ only) an LED strobe. It can serve as a regular siren, but also has an audio input that can be used to play audio or broadcast messages. Audio input will override the siren for the duration of the broadcast. The SH-816S-SQ strobe light is available with amber, blue, clear, or red lenses.

- 9~15 VDC and low current draw
- 120dB Warble-tone siren
- 25W Speaker for audio or broadcast system input (broadcast will interrupt the siren)
- Built-in tamper alarm output
- Weatherproof for outdoor/indoor use, IP65
- Mount directly to wall or to most common back boxes

In addition to the above, SH-816S-SQ adds:

- Bright LED strobe light
- Strobe can be triggered separately from siren
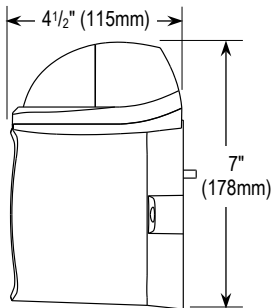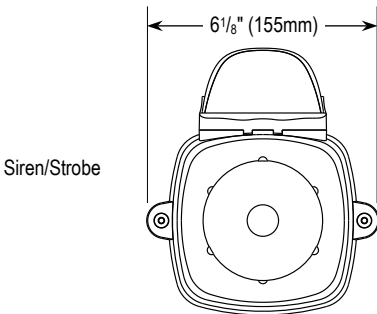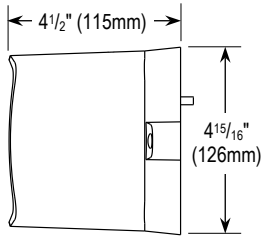- Strobe available in amber, blue, clear, or red

SECO-LARM®

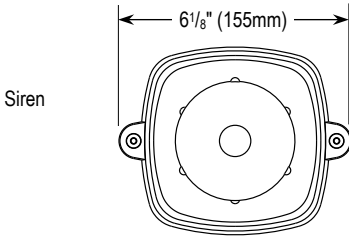## Parts List

1x **Siren/Strobe**   4x **Mounting screws**   4x **Plastic wall anchors**
1x **Back removal tool**   1x **Manual**

Specifications

Model		SH-816S-BQ	SH-816S-SQ/x*
Type		Siren	Siren with strobe
Operating voltage		9~15 VDC	
Current draw	**Siren**	680mA@12VDC	
	Strobe	N/A	190mA@12VDC
	Both	N/A	870mA@12VDC
Siren volume		120dB	
Speaker rating		25W Peak	
Strobe flash rate		N/A	100 per minute
Tamper output		100mA@30 VAC/VDC	
IP Rating		IP65	
Operating humidity		0~95%	
Operating temperature		-4°~131° F (-20°~55° C)	
Housing		White polycarbonate plastic	
Dimensions		$6^{1}/_{8}$"x$4^{15}/_{16}$"x$4^{1}/_{2}$" (155x126x115 mm)	$6^{1}/_{8}$"x7"x$4^{1}/_{2}$" (155x178x115 mm)
Weight		1-lb 13-oz (812g)	2-lb 2-oz (957g)

*Replace "x" with the first letter of the desired LED lens color – amber, blue, clear, or red.

Overview

Siren

$6^{1}/_{8}$" (155mm) $4^{1}/_{2}$" (115mm) $4^{15}/_{16}$" (126mm)

Siren/Strobe

$6^{1}/_{8}$" (155mm) $4^{1}/_{2}$" (115mm)   7" (178mm)

Installation

1. Determine the desired location and installation—surface or to a back box.
2. Remove the two screws from the two tabs that attach the mounting base to the main unit (See Fig. 1).
3. Squeeze the included base removal tool and insert through the wiring access hole in the back of the unit. Release and pull carefully until the mounting base is removed from the unit.
4. Remove the base removal tool and turn the mounting base over to view the wiring terminals (see Fig. 2)
5. Thread the wires (up to 8 wires, depending on installation, see "Sample Applications" on pg. 4) through the center hole in the base and install the base to the wall/back box using the four mounting holes in the base, oriented so that the engraved arrow is pointing up. Be careful not to use the hole for the tamper switch (see Fig. 2).

   NOTE: For non-standard boxes, drill out any other holes engraved in the oval indentations on the mounting base as needed.

6. Connect the wires for the desired installation to the terminals on the mounting base as shown in Fig. 3 and referring to the sample applications on pg. 4. Note that audio input requires power to the P.A. (+) terminal.
7. Carefully slide the main unit onto the base, ensuring the correct orientation (note the notch and the arrows) and ensuring the terminal plugs are correctly engaged (see Fig. 1).
8. Attach the main unit to the base using the two screws removed in step 2.
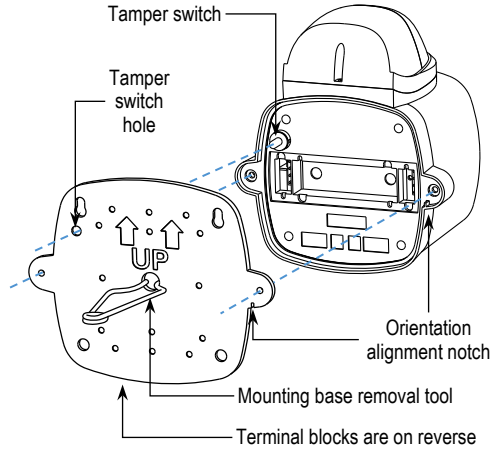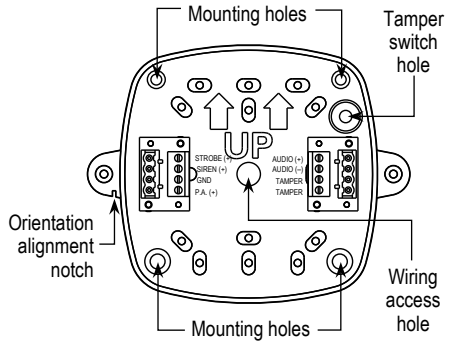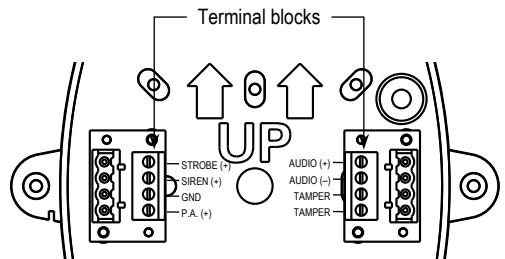
Fig. 1

Tamper switch

Tamper switch hole

UP

Orientation alignment notch

Mounting base removal tool

Terminal blocks are on reverse

Fig. 2

Mounting holes

Tamper switch hole

STROBE (+)
SIREN (+)
GND
P.A. (+)

AUDIO (+)
AUDIO (–)
TAMPER
TAMPER

Orientation alignment notch

Wiring access hole

Mounting holes

Fig. 3

Terminal blocks

STROBE (+)
SIREN (+)
GND
P.A. (+)

AUDIO (+)
AUDIO (–)
TAMPER
TAMPER

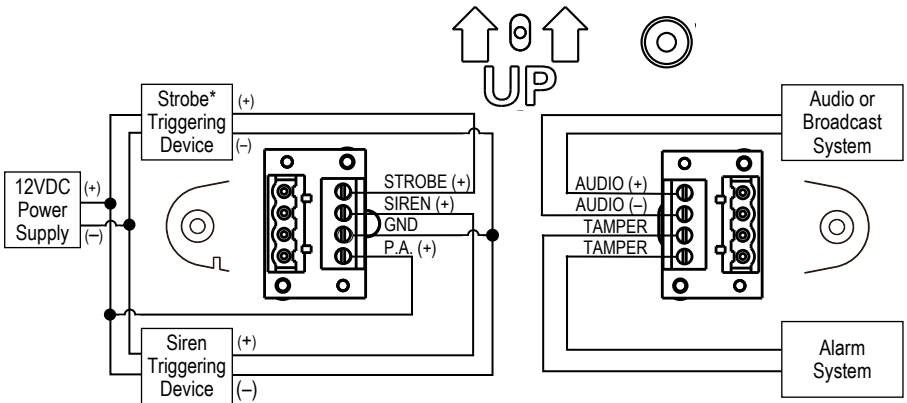## Sample Applications

Triggering both siren and strobe* together
(also showing audio input)

UP

Strobe* Triggering Device (+) (−)

12VDC Power Supply (+) (−)

STROBE (+)
SIREN (+)
GND
P.A. (+)

AUDIO (+)
AUDIO (−)
TAMPER
TAMPER

Audio or Broadcast System

Alarm System
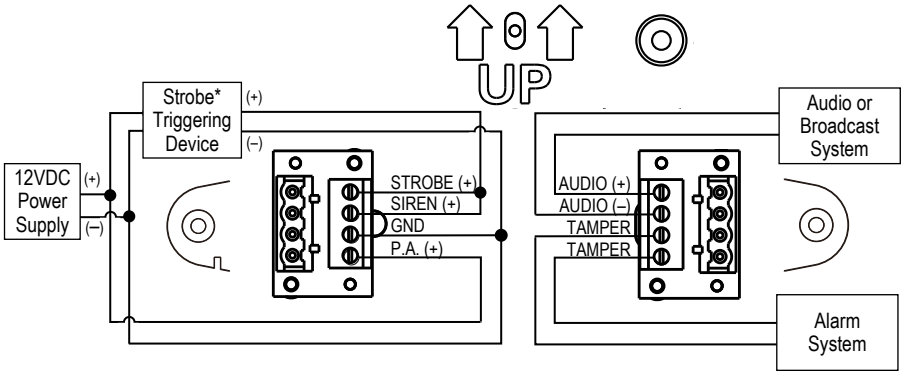
Siren and strobe* triggered by separate devices
(also showing audio input)

UP

Strobe* Triggering Device (+) (−)

12VDC Power Supply (+) (−)

Siren Triggering Device (+) (−)

STROBE (+)
SIREN (+)
GND
P.A. (+)

AUDIO (+)
AUDIO (−)
TAMPER
TAMPER

Audio or Broadcast System

Alarm System

*Strobe available on SH-816S-SQ only

NOTE: The audio broadcast will override and interrupt the siren for the duration of the broadcast.

IMPORTANT: Users and installers of this product are responsible for ensuring that the installation and configuration of this product complies with all national, state, and local laws and codes. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or codes.

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