Installing the Optional Solar Charger (E-931ACC-SPQ):

Battery charging indicator LED

Battery compartment
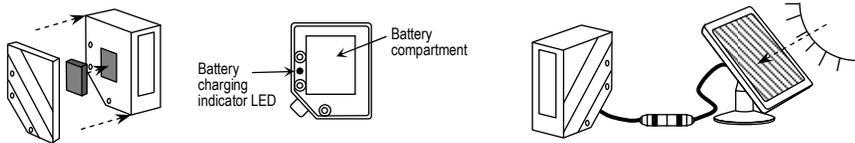
1. Install the solar panel in an area exposed to sunlight.
2. Use the included Phillips screwdriver to remove the side panel of the sensor.
3. Install the 3.7V lithium-ion battery included with the solar charger into the sensor and replace the side panel.
4. Connect the solar charger's DC plug into sensor's DC jack.

5. When battery is charging, the charging indicator LED will turn ON. The LED will turn OFF when the battery is fully charged or when the sensor's DC jack is unplugged.
6. Attach the bracket to the solar panel by twisting into the back of the solar panel until tight. Adjust the solar panel and then tighten the adjustment knob.

Sample Applications:

Storefront

Main Entrance

Driveway
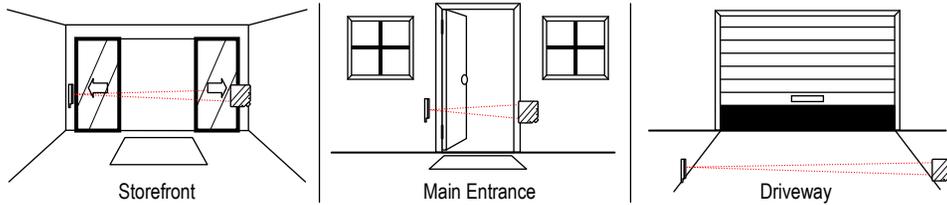
Troubleshooting:

Sensor red LED does not turn ON	• Check power adapter and cable. • Make sure solar charger is installed in an area exposed to sunlight (E-931ACC-SPQ Only). • Remove shiny metallic object near installation site.
Sensor red LED does not turn OFF	• Realign the sensor and reflector. • Clean the sensor cover and remove any obstacles.
Speaker does not sound	• Make sure speaker is switched to **Chime** or **Alarm**. • If using **Alarm**, make sure alarm duration is long enough. • Try pairing the sensor to the speaker. See *Pairing the Sensor and Optional Additional Speaker* on page 3.

CAUTION: This sensor was not designed to prevent bodily injury or loss of life. Use of this sensor in certain security applications may be regulated by local laws or codes. SECO-LARM is not responsible for compliance with such laws or codes.

FCC COMPLIANCE STATEMENT   FCC ID: K4E931CS22RF
Information to the user: 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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

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® PITSW3

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ENFORCER®

E-931CS22RFCQ
Wireless Entry Alert System

Manual

Adjustable **Alert Tone**	Adjustable **Alarm Time**	**Easy** Installation	**Wireless** Operation	Up to **328ft** Wireless Range	**Indoor Outdoor**

- For monitoring a driveway or for use as an entrance indicator
- No wiring necessary between sensor and speaker
- Sensor range: Up to 22ft (7m)
- Sensor is weatherproof for outdoor use
- Speaker makes chime or alarm sound if beam is interrupted
- Wireless range: Up to 328ft (100m) between the sensor and speaker
- Each sensor can be paired with an unlimited number of speakers
- Each speaker can be paired with up to 5 sensors

SLI SECO-LARM®

Introduction:

The ENFORCER Wireless Entry Alert System is a self-contained easy-to-install alert system for commercial or home applications. Each set contains a reflective photoelectric beam sensor that, when tripped, communicates wirelessly with a speaker installed up to 328ft (100m) away*. An additional speaker may be installed to alert more than one area on the property and an optional solar charger may be installed with the sensor for even more convenience.

Specifications:

		Sensor	Speaker
Sensing range		Up to 22ft (7m)	N/A
Wireless range		Up to 328ft (100m)*	
Operating frequency		433.92 MHz	
Operating voltage		12VDC	
Current draw	Standby	5mA	25mA
	Active	20mA	100mA
Power input		2.5mm DC Jack	
Light source		IR LED	N/A
Operating temperature		32°~122° F (0°~50° C)	
Volume		N/A	0~90 dB
Alarm time range		N/A	3~30 s (Adjustable)
Speaker output		N/A	Chime/Off/Alarm (selectable)
IP Rating		IP55	N/A
Dimensions		$3^1/_4$"x$2^9/_{16}$"x$1^1/_2$" (82x66x38 mm)	$3^1/_4$"x$2^{15}/_{16}$"x$1^9/_{16}$" (83x75x40 mm)

*Range may vary depending on the installation and operating environment.

Parts List:

1x Sensor
1x Speaker
1x Reflector
2x Power adapters
1x Small screwdriver

1x Mode adjustment pin
1x Sensor mounting bracket
2x Reflector/Speaker mounting bracket**
2x Bolts (Sensor)
2x Bolts (Reflector)

4x Nuts
5x Mounting screws
1x Screw anchor
1x Manual

**Reflector and Speaker use the same mounting bracket.

Overview:

Sensor

$1^1/_2$" (38mm) $2^9/_{16}$" (66mm)

$3^1/_4$" (82mm)   Alignment LED

2.5mm DC Jack

Cable length: $9^7/_8$" (250mm)

Reflector

$2^1/_{16}$" (52mm) $3/_8$" (9mm)

$2^3/_8$" (61mm)

Speaker

$1^9/_{16}$" (40mm)   Alert tone selection $2^{15}/_{16}$" (75mm)

$3^1/_4$" (83mm)

Timer   Volume

Counter output   Timer   Volume   2.5mm DC Plug
Mode button

Optional Accessories:

| Wireless Speaker
E-931ACC-SFQ | Digital Counter
E-931ACC-CQ | Solar Charger for Sensor
E-931ACC-SPQ | Square Reflector
E-931ACC-R2Q | 3" Round Reflector
E-931ACC-RC1Q | Reflector Hood
E-931ACC-HR1Q | Door Frame Bracket
E-931ACC-BLS8Q |

Installation:

1. Install the reflector and sensor so they face each other about 2ft (61cm) off the ground.
2. Install the speaker within 328ft (100m) of the sensor.
3. Connect an included power adapter to the sensor. If optional solar charger is used, see pg. 4, *Installing the Optional Solar Charger*.
4. Connect an included power adapter to the speaker.
5. To find the correct alignment, slowly adjust the angles of the sensor and reflector.

NOTE: Alignment is correct when the red LED turns OFF.

Mounting:

Sensor   *Reflector*   *Speaker*   Bracket mounting holes
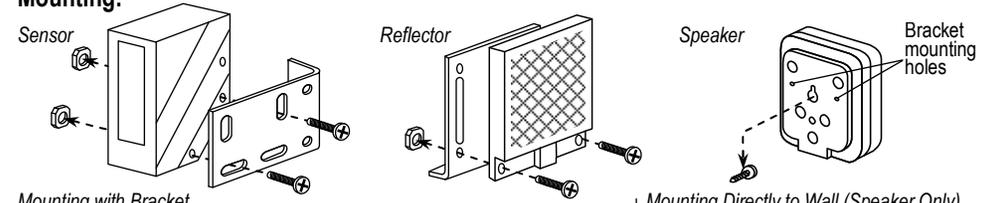
Mounting with Bracket

1. Attach the sensor, reflector, or speaker to their respective brackets by using the included bolts and nuts.
2. Mount the bracket to the wall using two of the included mounting screws.

Mounting Directly to Wall (Speaker Only)

1. Drill included screw into wall.
2. Hang speaker on screw.

Programming the Speaker:

1. Choose between **Chime**, **Alarm**, and **Off** using the alert tone selection switch on the side of the speaker.
2. Adjust the volume by using the included Phillips screwdriver to turn the volume adjustment screw. Turning clockwise increases the volume; counter-clockwise decreases the volume.
3. Adjust the timer by using the included Phillips screwdriver to turn the timer adjustment screw. Turning all the way clockwise will set the timer for 30 seconds; turning all the way counter-clockwise will set the timer for three seconds.

**NOTE:** Timer mode only applies if **Alarm** is chosen as the alert tone.

Pairing the Sensor and Optional Additional Speakers (E-931ACC-SFQ):

Use one of the two methods below to pair the optional additional speaker with the sensor.

NOTE: The speaker included with the Wireless Entry Alert System is pre-paired with the sensor.
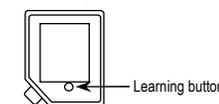
Method 1:

1. Use the included mode adjustment pin to press and hold the mode switch until you hear a long beep from speaker. This means the speaker is in the learning mode.
2. Trigger the sensor by breaking the beam. The speaker will beep once.
3. After 10 seconds, the speaker will make one long beep indicating successful pairing.
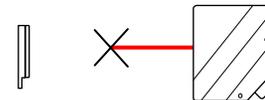
Method 2:

1. Remove the side panel of the sensor with the included small Phillips screwdriver.
2. Perform the point 1 of "Method 1" and then press sensor's learning button once. The speaker will beep once.
3. After 10 seconds, the speaker will make one long beep indicating successful pairing.

Clearing Memory:

1. Use the included mode adjustment pin to press and hold the mode switch until you hear a long beep and two short beeps after five seconds.
2. Release the mode button and the memory has been cleared.

Learning button
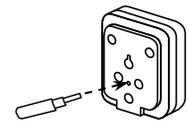
IMPORTANT: When pairing additional speaker, release the mode switch immediately after two seconds and hearing the long beep. Pressing the mode switch for more than five seconds will delete the memory.

Connecting the Optional Counter (E-931ACC-CQ):

1. Connect the plug from the counter to the counter output jack of the speaker.
2. Test the counter. Each time the beam is broken, the counter should automatically increase by 1.
3. Manually add or subtract 1 by pressing the "+" or "-" buttons
4. Reset the counter by pressing "RESET".