

# ENFORCER®

## Wireless Entry Alert System

E-931CS22RFCQ

Installation Manual



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\*. Additional speakers may be installed to alert more than one area on the property.

- 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

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

**Parts List**

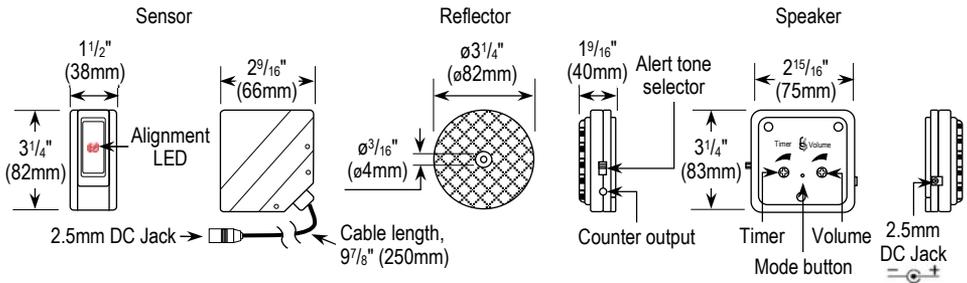
1x Sensor	1x Mode adjustment pin	5x Mounting screws
1x Speaker	1x Sensor mounting bracket	2x Plastic wall anchors
1x Round 3" reflector	1x Speaker mounting bracket	2x Power adaptors
1x Small screwdriver	1x Reflector mounting screw	2x Nuts
2x Bolts (sensor)	1x Manual	

**Specifications**

	Sensor	Speaker
Operating voltage	12VDC	
Operating frequency	433.92 MHz	
Wireless range	Up to 328ft (100m)*	
Sensing range	Up to 22ft (7m)	N/A
Current draw	Standby: 5mA Active: 20mA	25mA 100mA
Power input	2.5mm DC Jack	
Light source	IR LED	N/A
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
Operating temperature	32°~122° F (0°~50° C)	
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.

**Overview**



**Speaker Setup**

1. Choose *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 duration by turning the timer adjustment screw using the included screwdriver. Maximum clockwise sets the timer for 30 seconds; maximum counter-clockwise sets the timer for 3 seconds.

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

## Mounting and Installation

- Determine the mounting location for each component.
  - The reflector and sensor should be installed facing each other about 2ft (61cm) off the ground.
  - Avoid locations where sunlight or other direct beam of light could enter the sensing spot on the sensor face.
  - Install the speaker within 328ft (100m) of the sensor, noting that obstructions or interference that may reduce the range.
- Attach the sensor to its bracket (see Fig. 1) and mount the bracket to a wall or other surface.
- Mount the reflector to a flat surface opposite the sensor so that the reflector is aligned with the sensor face (see Fig. 2).
- Connect an included power adapter to the sensor. Align by slowly changing the angles of the sensor and reflector.
- NOTE:** The red LED turns off when the alignment is correct.
- Mount the speaker where it can be easily heard. For direct surface mount, drill a small hole and insert the provided screw without tightening it fully to hang the speaker on the screw. Otherwise, attach it to its bracket and mount the bracket where desired (see Fig. 3).
- Connect an included power adapter to the speaker and test.

Fig. 1 - Sensor

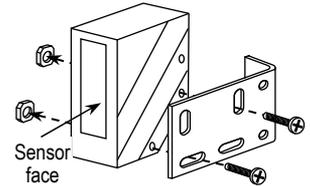
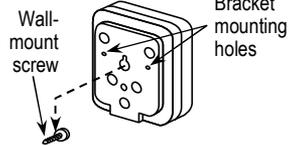


Fig. 2 - Reflector



Fig. 3 - Speaker



## Pairing Optional Additional Speakers (E-931ACC-CQ)

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

### NOTES

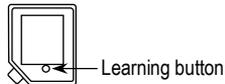
- The speaker included with the Wireless Entry Alert System is pre-paired with the sensor.
- When pairing an additional speaker, release the mode switch immediately after 2 seconds and hearing the long beep. Pressing the switch for more than 5 seconds will delete the memory.

### Method 1

- Use the mode adjustment pin to press and hold the mode switch until you hear a long beep. The speaker is now in learning mode.
- Trigger the sensor by breaking its beam. You will hear one beep.
- After 10 seconds, one long beep indicates successful pairing.

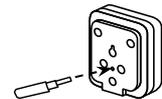
### Method 2

- Remove the sensor's side panel with the included screwdriver.
- Follow step 1 of *Method 1*.
- Press the sensor's learning button once. You will hear one beep.
- After 10 seconds, one long beep indicates successful pairing.



### Clearing the Memory

- 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.
- Release the mode button and the memory has been cleared.

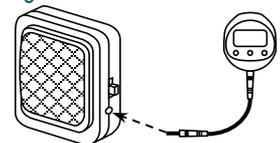


## Connecting an Optional Counter (E-931ACC-CQ)

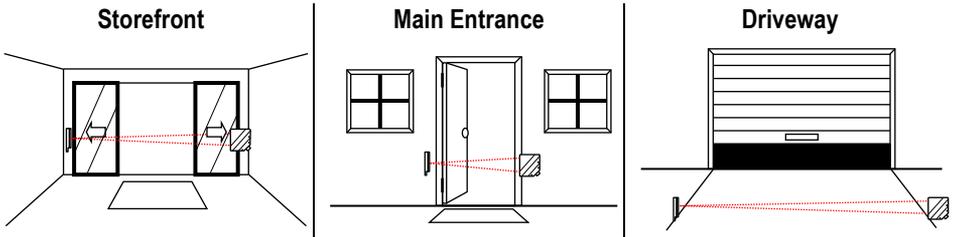
To install a counter (sold separately), follow these instructions.

- Plug the counter into the counter output jack of the speaker (see Fig. 4).
- Test the counter. Each time the beam is broken, the counter should automatically increase by 1.
- Manually add or subtract 1 by pressing the "+" or "-" buttons
- Reset the counter by pressing *RESET*.

Fig. 4



## Sample Applications



## Troubleshooting

- |                                  |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor red LED does not turn ON  | <ul style="list-style-type: none"><li>• Check power adapter and cable</li><li>• Remove any shiny metallic objects near installation site</li></ul>                                                                                                                                                                |
| Sensor red LED does not turn OFF | <ul style="list-style-type: none"><li>• Realign the sensor and reflector</li><li>• Clean the sensor cover and remove any obstacles</li></ul>                                                                                                                                                                      |
| Speaker does not sound           | <ul style="list-style-type: none"><li>• Make sure speaker is switched to <b>Chime</b> or <b>Alarm</b></li><li>• If using <b>Alarm</b>, make sure alarm duration is long enough</li><li>• Try pairing the sensor to the speaker. See <i>Pairing the Sensor and Optional Additional Speaker</i> on page 3</li></ul> |

## Accessories

### Wireless Speaker



E-931ACC-SFQ

### Digital Counter



E-931ACC-CQ

### Square Reflector



E-931ACC-R2Q

### Reflector Hood



E-931ACC-HR1Q

### Door Frame Bracket



E-931ACC-BLS8Q

### 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.

**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. 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.

**California Proposition 65 Warning:** These products may contain chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**WARRANTY:** This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for one (1) year from the date of sale to the original customer. SECO-LARM's obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM and the purchaser's exclusive remedy, shall be limited to the replacement or repair only, at SECO-LARM's option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else.

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