



## EN5061 Surface Mount Locator

### Installation and Operation Manual

## 1 Overview

When deployed as part of an Inovonics mobile duress system, EN5061 surface mount locators help determine the location of mobile duress pendants for improved emergency response. When a mobile duress pendant is activated, the alarm is sent through the Inovonics EchoStream system, and a Bluetooth® message is simultaneously sent to any locators within range. Every locator that hears the message then delivers the Bluetooth signal strength information to the Inovonics mobile duress application, which determines location based on the highest signal strength received, and distributes location notifications per predefined user parameters.

### 1.1 Inovonics Contact Information



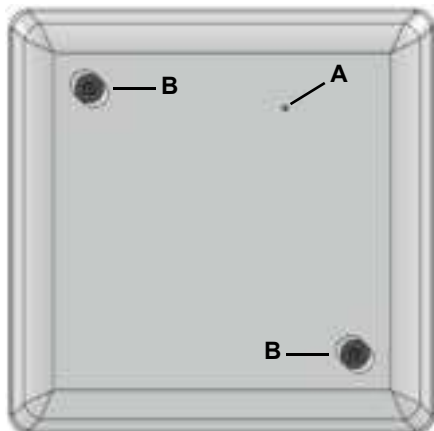
For product and installation videos visit us at [www.inovonics.com/videos](http://www.inovonics.com/videos) or use the QR code below.



If you have any problems with this procedure, contact Inovonics technical services:

- E-mail: [support@inovonics.com](mailto:support@inovonics.com).
- Phone: (800) 782-2709; (303) 939-9336.

### 1.2 EN5061 Surface Mount Locator



**Figure 1** EN5061 surface mount locator

A Power LED B Mounting screws

## 2 Installation and Startup

### 2.1 Installation Notes

- These products are designed to be maintained by professional security technicians from Inovonics factory-trained partners.
- Products are tested for indoor use.
- All products should be manually tested weekly.

### 2.2 Install the EN5061 Surface Mount Locator

**Note:** Surface mount locators must be registered with the site prior to removal from packaging and mounting. Refer to the *Inovonics Mobile Duress User Manual* for registration instructions, and contact Inovonics technical services if you require training.

Installation of the EN5061 requires a metal 4" square, 2 1/8" deep (or greater) cut-in box be pre-installed in the wall. For EN5061 installation, the box must have mounting screw-holes at diagonally opposite positions, with one in the upper left and one in the lower right.

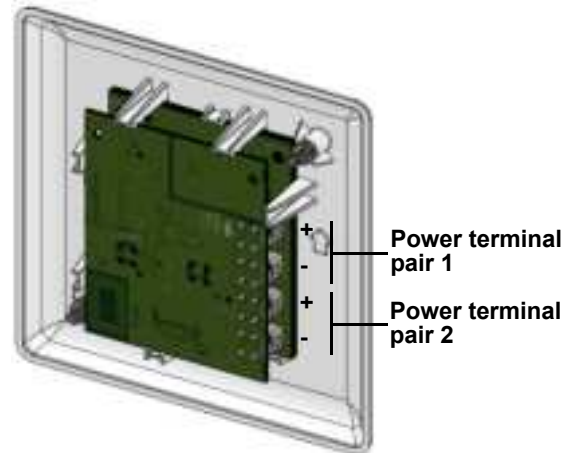
Inovonics recommends the Southwire 4" square box, part number 52171-3/4-1, for new construction, and the Southwire 4" old work cut-in, part number 52181-OW, for retrofit installations.

Power cabling for either 12-24VAC 50/60 Hz or 12-24VDC must be present and routed to the inside of the cut-in box, with stripped pigtails per local electrical code. Each EN5061 consumes 670mW maximum.

1. Install the cut-in box per manufacturer's instructions and local building and electrical codes.

**Note:** If installed five feet or lower on the wall, orient the unit with the arrow embossed on the inside of the cover facing up; if installed above five feet on the wall, orient the unit with the arrow facing down.

2. Connect power cabling to either power terminal pair.



**Figure 2** Connect power cabling

- If using DC power, make sure to connect cabling to positive and negative, as indicated above the terminals.

**Note:** If you are planning to daisy chain the power, you can use the second pair of screw terminals to attach to the power cable to the next unit.

3. Use the supplied tamper-resistant Torx 8-32-3/4" flat head screws to mount the EN5061 in the cut-in box.
  - Mount the EN5061 with the arrow embossed on the back side of the cover pointing up.
  - Be careful not to overtighten screws or flex cover.
4. Apply power.
5. Ensure the surface mount locator's power LED lights solid green.

### 3 Specifications

Faceplate: 5.50" x 5.50" x 1.01" (139.7 mm X 139.7 mm X 25.7 mm).

Weight: 4.8 oz. (136 g).

Operating environment: 32 to 113°F (0 to 45°C), 90% relative humidity, non-condensing.

Power requirement: 12-24VAC 50/60 Hz or 12-24VDC 670 mW.

Operating frequency: 902-928 MHz.

Bluetooth frequency: 2.402 GHz to 2.480 GHz.

Regulatory: FCC Part 15, Subpart C, RSS-247 Issue 2, RoHS Directive 2015/863.

FCC ID: HCQBWA02.

IC: 2309A-BWA02.

HVIN: 00070-04.

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**Note:** Inovonics supports recycling and reuse whenever possible. Please recycle these parts using a certified electronics recycler.

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### 4 Regulatory Compliance

#### 4.1 Television and Radio Interference

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 the 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:

- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### 4.2 FCC Part 15 and Innovation, Science and Economic Development Canada (ISED) Compliance

This device complies with part 15 of the FCC Rules, and ISED license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

#### 4.3 Radiation Exposure Limits

##### FCC

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm during normal operation and must not be co-located or operating in conjunction with any other antenna or transmitter.

##### ISED

This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme avec ISED RSS-102 des limites d'exposition aux rayonnements définies pour un environnement non contrôlé. Cet émetteur doit être installé à au moins 20 cm de toute personne et ne doit pas être colocalisé ou fonctionner en association avec une autre antenne ou émetteur.