Inovonics Mobile Duress

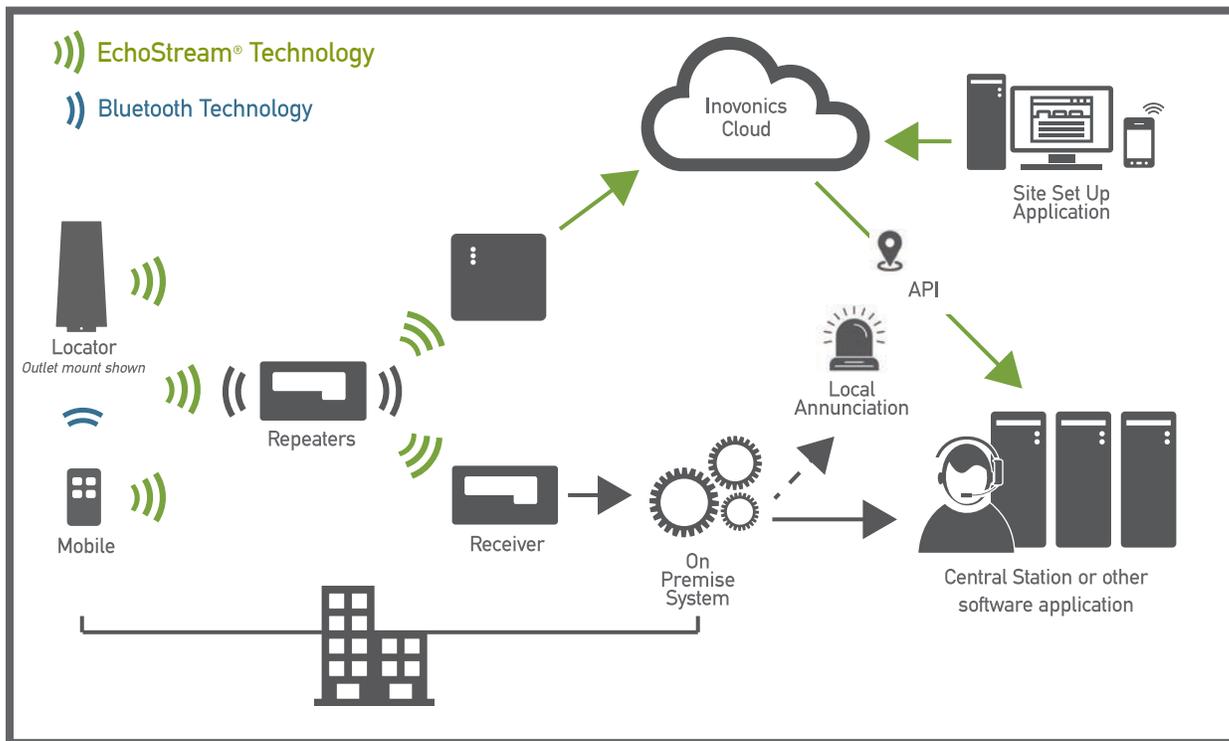**Delivering precise location upon mobile duress pendant activation**
The Inovonics mobile duress system delivers precise location accuracy – room, zone or floor – depending on what your specific location requires, using application programming interface (API) push notifications to integrate directly into a central station, access control or other IP-based software application.

How Inovonics Mobile Duress Works

Duress pendants, or panic buttons, have played a crucial role in protecting life and property for decades. Security systems can easily associate a fixed pendant with a specific location upon installation, but determining indoor location when someone activates a pendant on their person has been significantly more problematic and cost prohibitive to deploy. Responders may know a problem exists, but historically have not had an easy and cost effective way to know where.
The Inovonics mobile duress system breaks that paradigm, delivering an innovative location solution, built upon the reliability and cost effectiveness of EchoStream®, which can seamlessly integrate into existing security systems.

From left to right in the diagram above, let's assume someone activates their pendant. Just like today, the alarm travels through the EchoStream network for integration into the existing security system.

What is new is Inovonics locators which listen for pendant activations within range. Locators then leverage the EchoStream network to deliver location information to the Inovonics mobile duress application. Within ten seconds of alarm activation the mobile duress application analyzes data received from the locators to determine precise location which it then delivers to a software application via API.

Features

Know where to go
Delivers precise floor and room level location in an emergency.

Easy to install
Works with your existing security system so no forklift upgrades.

Quality
Developed by Inovonics so you know it works.

Always on
24/7 monitoring to maintain system health including no charge back-up and recovery.

Scalable to deliver as much location accuracy as needed

The solution is scalable depending on the location granularity a specific site may require, with locators able to cover specific rooms, zones or floors with a high degree of accuracy. A properly installed mobile duress system will deliver floor level accuracy with 99.99% precision, and room accuracy with 90% precision, delivering the adjacent room or zone in the remaining 10% of instances.

Dashboard view of system health

Cloud-based, the Inovonics mobile duress system can provide a school district, hospital network, or any other multi-site enterprise with the ability to remotely monitor system heath from any IP connected computer or mobile device. Further, the Inovonics network operations center (NOC) constantly monitors sites, pre-emptively looking out for potential problems that could impact system performance.

Benefits

- Protect life and property with precise location notification upon pendant activation.
- Remotely monitor system health with dashboard view of site status.
- Developed and supported by Inovonics, a recognized leader in commercial wireless life safety.

Mobile Duress System Hardware

Mobile Duress Pendant, Necklace Worn

Sleek single or double button pendant that can be supervised. LED flashes when transmitting. Easy to wear with included necklace.

Single Button
EN2233S

Double Button
EN2233D

Mobile Duress Pendant, Belt Worn

Sleek single or double button pendant that can be supervised. LED flashes when transmitting. Durable belt clip included.

Single Button
EN2235S

Double Button
EN2235D

Mobile Duress Pendant, Multi-Condition

Designed to support advanced functionality with a multi-condition receiver.

Double Button 3-Condition **EN2236D**

Double Button 2-Condition
EN2238D

Multi-Condition **EN2224**

Locator, Outlet Mount

Locators leverage the EchoStream network to deliver location information to the Inovonics mobile duress application upon activation of a registered mobile duress pendant.

Outlet Mount
EN5060

Mobile Duress Gateway and Application

The mobile duress gateway receives location information from registered locators and passes that information to the cloud-based mobile duress application. Within ten seconds of alarm activation the application analyzes data received from the locators to determine precise location which it then delivers to a central station, access control or other IP-based application via API.

Mobile Duress Gateway
EN7295

Hardware Specifications

Mobile Duress Pendant Specifications

Dimensions:	3" x 1.6" x 1"
Weight:	1.2 oz
Typical battery life:	3 years
Internal battery type:	BAT608 CR2 lithium
Accessories:	ACC605-BK10 black pendant belt clip, ten pack; ACC603M metal necklace; ACC603P plastic necklace
Regulatory:	FCC part 15, ISED
Check-In Time Frequency:	EchoStream: 3 minutes, Bluetooth: 60 minutes

Locator Specifications

Dimensions:	5.5" x 2.25" x 2.25"
Weight:	6.2 oz
Power:	240VAC 50/60 Hz accessed directly from the NEMA 5-15 non-polarized PCB mountable plug blades
Regulatory:	UL 62368-1 Audio/video, information and communication technology equipment (per internal power supply)
Check-In Time Frequency:	EchoStream: 3 minutes, Bluetooth: 60 minutes

Mobile Duress Gateway Specifications

Dimensions:	9.56" x 6.65" x 1.2"
Weight:	1 lb. 3.5 oz
Power:	The Inovonics ACC610 transformer, or a 12-14V AC intrinsically safe power supply capable of supplying at least 16W, or a 12-15V DC power supplycapable of supplying at least 15W; POE: IEEE 802.3af2003 compliant
Accessories:	ACC610 transformer, ACC650 NEMA enclosure
Regulatory:	FCC part 15 class B, ISED, RCM, RoHS

- Please refer to product data sheets at inovonics.com for complete specifications or for specifications for additional system hardware.
- The range and performance of any wireless product depends on the structure and environment in which it operates.
- Continual enhancements to our products may cause specifications to change without notice.
- Patents: 7,154,866; 7,554,932; 7,746,804; others pending.
- Inovonics supports recycling and reuse whenever possible. Please recycle these parts using a certified electronics recycler.

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