inovonics®

School Safety

A Comprehensive Security System:
Before, During and After School

Schools require security systems that are flexible enough to handle all of their security needs. This means a duress system to allow teachers and staff to signal for help during school hours, and an intrusion system to guard against theft and vandalism before and after school. It must be scalable to adapt to shifting classrooms and conditions, and, most importantly, reliable enough to ensure alarm signals reach their target.

During
School Hours

Give teachers and staff the ability to signal for help without putting themselves in danger.

Keep Students, Teachers and Staff Safe

Community members, faculty, staff and parents are all committed to making schools safe for children. However, increasing school violence proves that communities must take a proactive role in school security. Whether installed as a stand-alone system or added to an existing security system, Inovonics panic buttons can be an important element of that security.

Inovonics panic buttons can deliver a signal wherever trouble occurs. With the press of a button, a call for help is sent immediately anywhere on the campus, as well as to external support. Additionally, because the signal is silent, it will not disrupt students or cause distractions.

Panic buttons facilitate intervention by providing teachers with a discreet and effective method for alerting responders. Unlike fixed-alerting methods like intercom buttons, wireless panic buttons cover areas outside the classroom, like hallways, playgrounds and parking lots.

Providing an easy way to signal for help with panic buttons is a starting point for keeping students, teachers and staff safe.
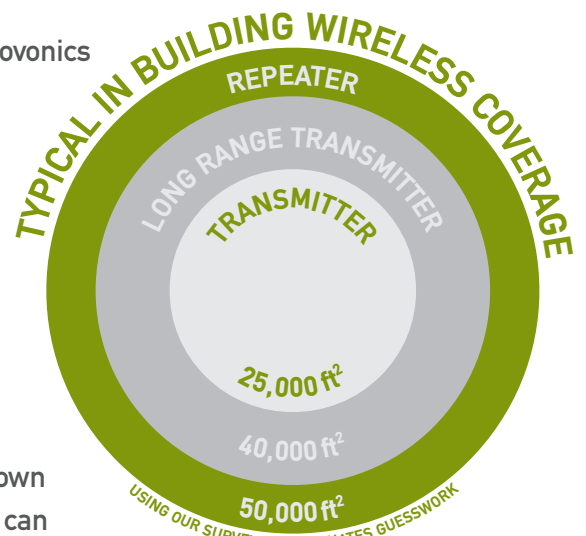
Complete Integration

The flexibility of the Inovonics network allows for panic buttons to be added to virtually any existing security system. Multiple partner integrations, along with add-on receivers, allow for an easy system upgrade while leveraging existing infrastructure with minimal incremental cost.

Wireless systems offer distinct advantages over hardwired systems. Inovonics systems are usually installed in hours, instead of the days or weeks required by hardwired systems. There's no need to run wires through walls, under carpets, or behind baseboards to every door, window and detection device. Likewise, once the system is in place, it is easy to move, add, or remove transmitters as needed. In schools this allows for the easy addition of classrooms and study areas.

The flexibility and integrability of Inovonics systems also allow for a variety of responses. For instance, when a wireless panic button is pressed it can be configured to immediately initiate the school's lockdown procedure. Having the ability to easily trigger an emergency response can save precious time when it matters most.

TYPICAL IN BUILDING WIRELESS COVERAGE

REPEATER

LONG RANGE TRANSMITTER

TRANSMITTER

25,000 ft^2

40,000 ft^2

50,000 ft^2

USING OUR SURVEY KIT ELIMINATES GUESSWORK

Before and After
School

Protect empty schools from vandalism and theft before and after school hours.

Prevent Theft, Protect Secure Areas and Deter Vandals

Intrusion detection systems are essential in protecting property and assets from vandalism and theft. An Inovonics wireless intrusion detection system offers everything schools need, including motion detectors, door and window contacts, glassbreak detectors, and universal transmitters.

An Inovonics intrusion detection system provides all of the same options of any hardwired system, with all of the additional flexibility and functionality of wireless. Adding protection to a modular classroom is as easy as mounting the necessary transmitters and registering them to the system, eliminating the thousands of dollars in cost it would take to trench from building to building in the case of a hardwired intrusion system. A wireless approach allows schools to easily adapt to facility adjustments, site plan changes, or new monitoring requirements.

The fact is, school budgets are tight and getting tighter, and they have a short timeframe to install and update their security systems. With time and budget constraints becoming more of an issue, wireless technology has become an invaluable tool. Depending on the difficulty of the installation, savings can be impressive, and there are some environments which simply can't be hard-wired.

Single Facility to Campus-Wide Coverage

The Inovonics commercial mesh network offers superior range and performance, especially in large campuses or multiple-building sites. That's why you'll find Inovonics wireless at work in everything from portable classrooms to football stadiums.

Inovonics pendant transmitters can be added to an existing system to provide additional security in a single building, or the network can be scaled to cover an entire multi-building campus spread over acres. Parking lots, playgrounds and out buildings can be easily covered on a single system without costly wiring, trenching or additional configuration.

Mission Critical Reliability

There's no requirement for a mobile duress alarm system more important than reliability. There are numerous kinds of wireless technology, and most are simply not capable of operating reliably in demanding campus environments. The wireless backbone of any mobile duress alarm system must be able to withstand interference, overcome obstacles, and guarantee multiple paths from the alarm device to the receiver.

Designed to move small amounts of data over a moderate range in commercial environments, the Inovonics commercial mesh network uses a frequency-hopping, spread-spectrum technology that sends redundant messages across multiple channels to avoid interference obstacles. Due to its low latency and high reliability, the commercial mesh network is an ideal solution for security applications.

Water Resistant Pendant Transmitters

Compact single or double button pendant that can be supervised. LED flashes when transmitting. Ideal for healthcare applications.

Single Button
EN1223S

Double Button
EN1223D

Wristband
ACC623

Neck Chain Pendant Transmitters

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

Single Button
EN1233S

Double Button
EN1233D

Belt Clip Pendant Transmitters

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

Single Button
EN1235S

Double Button
EN1235D

Fixed Position Hold Up Pendant Transmitters

Fixed position transmitters include mounting hardware for easy installation and back tamper for removal alarms.

Single Button
EN1235SF

Double Button
EN1235DF

Multiple Condition Pendant Transmitters

Multiple condition pendants require the use of a multi-condition receiver and application designed to support advanced functionality.

Four Condition
EN1224

Four Condition On/Off
EN1224-ON

Three Condition
EN1236D

Two Condition
EN1238D

Universal Transmitters

Universal transmitters can be used with any standard N/O or N/C sensor and include a case tamper switch. The **EN1210W** is designed for door/window use and requires use of included magnet.

Universal Transmitter
EN1210

With EOL Resistor
EN1210EOL

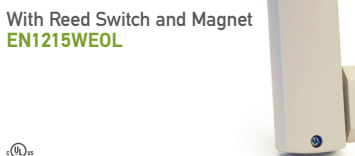With Reed Switch and Magnet
EN1210W

Universal Transmitters with Wall Tamper

Wall tamper switch adds protection from device removal. The **EN1215WEOL** is designed for door/window use and requires use of included magnet.

Universal Transmitter with Wall Tamper
EN1215EOL

With Reed Switch and Magnet
EN1215WEOL

Dual Input Universal Transmitters

Dual input universal transmitters can be used with any standard N/O or N/C sensor and include an additional N/C input. Requires the use of a multiple condition receiver.

Dual Input Universal Transmitter
EN1212

With Wall Tamper
EN1216

Long Range
EN1252

High Traffic Four Element Motion Detector

The **EN1261HT** is developed specifically for high traffic environments, delivering approximately four years of battery life. Includes case and back tamper, and features pet immunity up to 33lbs/1ft.

Long Range Lens (60ft)
ACC668

Wall Mount Motion Detector

The **EN1260** features digital signal processing that recognizes human signatures to reduce false alarms. Case tamper switch included.

Curtain Lens Kit
ACC672CT

Long Range Lens Kit (99ft)
ACC672LR

Pet Alley Lens Kit
ACC672PA

Motion Detector with Pet Immunity

The **EN1262** is designed for low traffic applications and features pet immunity to reduce false alarms from animals. Includes a case tamper switch and optional wall tamper.

360° Ceiling Mount Motion Detector

The **EN1265** four element motion detector offers a 360° coverage pattern, case tamper switch, and up to an 18ft mounting height with the included lens.

High Ceiling Lens (25ft)
ACC669

Smoke/Heat Detector Transmitter

The **EN1243** smoke/heat detector uses GE Interlogix™ technology and CleanMe™ monitoring for superior performance and reliability.

Billtrap Transmitter

The **EN1249** provides the flexibility for use in cash drawers for use in any financial or retail environment. Features case and back tamper, Smart Baiting with LED confirmation, and two or ten second delay transmission modes.

Glassbreak Detector Transmitter

The **EN1247** uses acoustic pattern recognition technology for proven performance, extended range, and increased immunity to false alarms. 20ft radius allows for multiple window coverage.

High Power Repeater

The high power repeater amplifies transmissions from any transmitter. Multiple repeaters can be used to provide campus wide coverage.

High Power Repeater with Transformer
EN5040-T

Without Transformer
EN5040

Weatherproof Enclosure
ACC650

Add-On Receivers

Add-on receivers cost effectively add EchoStream wireless transmitters to any installation. Includes form C relays with dedicated alarm and fault output. The **EN4216MR** and **EN4232MR** are UL listed, support multi-condition transmitters, and include event logging.

Receiver	Transmitters	Outputs
EN4204R	4	4 Alarm / 1 Fault
EN4216MR	16	5 Alarm / 1 Fault
EN4232MR	32	11 Alarm / 1 Fault

Panel Interface Options

Please refer to the chart on the front of this product guide for a complete list of panel interface options.

Wireless Survey Kit

The **EN7016** wireless survey kit is a portable and easy to use tool for determining the optimal location for transmitters and repeaters. The wireless survey kit reduces bid risk, decreases installation time, and builds credibility with clients.

Includes both
EN1223SK and
EN1210SK
survey transmitters