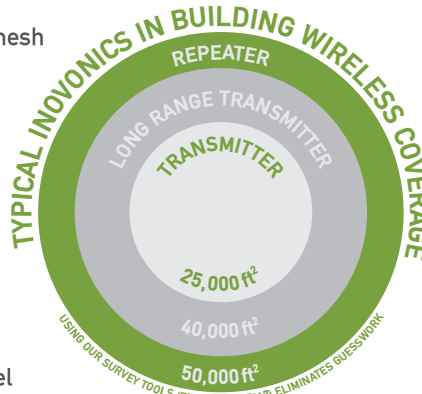


### Inovonics Wireless Solutions

Inovonics' line of EchoStream® wireless intrusion detection devices and mobile duress (panic) buttons are designed with today's applications in mind. Supporting installations with thousands of security devices across a campus, the EchoStream family of pendant transmitters, universal transmitters, motion detectors and add-on receivers can connect to virtually any security system.

Unique to Inovonics is the high power repeater mesh that intelligently amplifies transmissions from EchoStream transmitters. Providing coverage in all types of building construction, thus eliminating the need for labor associated with wired installs. EchoStream provides the flexibility to cover small, medium and large commercial buildings as well as complete campuses.



### Security Panel Partners

Inovonics offers direct integration to various panel partners along with add-on receivers that integrate with nearly any security system.

### Direct to Panel Integrations

HONEYWELL® - EN7290 <sup>(1)</sup> cUL <sup>(3)</sup> US			
VISTA - 128 - 127 pts.		VISTA - 250 - 249 pts.	
BOSCH - EN4200 <sup>(3)</sup>			
BOSCH D7212G - 32 pts.	BOSCH D712G - 67 pts.	BOSCH D412G - 238* pts.	
BOSCH B3512 - 8 pts.	BOSCH B4512 - 20 pts.	BOSCH B5512 - 40 pts.	
BOSCH B6512 - 88 pts.	BOSCH B8512G - 91 pts.	BOSCH B9512G - 350 pts.	
CHUBB EDWARDS - EN4200 <sup>(3)</sup> cUL <sup>(3)</sup> US			
AFx - 32 pts.			
ICT - EN4200 <sup>(3)</sup>			
Protege WX - up to 255 pts.		Protege GX - up to 255 pts.	
INTERLOGIX - EN4200 <sup>(3)</sup> cUL <sup>(3)</sup> US			
Verex Monitor XL - 32 pts.			
INTERLOGIX - EN7286NX			
NetworX NX-8-48 pts.	NetworX NX-8E-192 pts.	NetworX NX-6-16 pts.	NetworX NX-4-8 pts.
JOHNSON CONTROLS - EN7290 <sup>(1)</sup> cUL <sup>(3)</sup> US			
TYCMSM128 - 127 pts.		TYCMSM250FB - 249 pts.	
PACOM - EN4200 <sup>(3)</sup> cUL <sup>(3)</sup> US			
8002 Controller - 256 pts.			
SONITROL cUL <sup>(3)</sup> US			
iBase - 64 pts.	FlexiBase - 64 pts.	FlexiP - 64 pts.	
Other Commercial Panels - Add On Receivers			
Connect almost any panel I/O device through the receivers form C relay outputs.			
Receiver	Transmitters	Outputs	
		Alarm	Fault
EN4204R cUL <sup>(3)</sup> US	4	4	1
EN4216MR cUL <sup>(3)</sup> US	16	5	1 <sup>(2)</sup>
EN4232MR cUL <sup>(3)</sup> US	32	11	1 <sup>(2)</sup>

### Security System Configuration



Security Panel



Add On or Serial Receiver



Repeater Network



Wireless Transmitters

 = Wired Connection

 = Wireless Connection

(1) Serial interface supports multi-condition pendants (2) User assigned fault outputs (3) EN4200 may have a different part number and must be purchased through system integration partners

**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**

**Necklace Pendant Transmitters**

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


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** 

**Four 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** 

**Multi Condition Pendant Transmitters**

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

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.

Universal Transmitter **EN1210**

With EOL Resistor **EN1210EOL**

Door/Window Transmitter with Reed Switch **EN1210W** 

**Universal Transmitters with Wall Tamper**

Wall tamper switch adds protection from device removal.

Universal Transmitter with Wall Tamper **EN1215EOL**

With Reed Switch and Magnet **EN1215WEOL** 

**Dual Input Universal Transmitter**

Dual input universal transmitters can be used with any standard N/O or N/C sensor and include an additional N/C input.

Dual Input Universal Transmitter **EN1212**

With Wall Tamper **EN1216**

Long Range **EN1252** 

**Smoke Detector**

The **EN1244** features an onboard sounder, an LED indicator, tamper, EchoStream® network supervision, and local test capability.




**Wireless CO Detector**

The **EN1245** features an onboard sounder, a CO sensor, LED indicators and local test capability to allow the user total visibility of its functionality.



**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**


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.



**Water Detector**

The **EN1751** water detector provides early warning against damage caused by leaking appliances and standing water when used with the Honeywell® FP280 or Flair Electronics® 1010-H20S36-EN1751


Probes sold separately.



**Temperature Detector**


The **EN1752** temperature detector enables programmable temperature threshold alarming for ambient temperatures and external monitoring when used with the Honeywell® T280R temperature probe.

Probe sold separately.

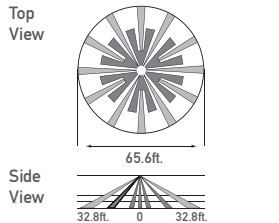


**360° Ceiling Mount Motion Detector**

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** 

**360° Ceiling Mount Motion Detector Coverage**



Top View: 65.6ft. coverage radius.

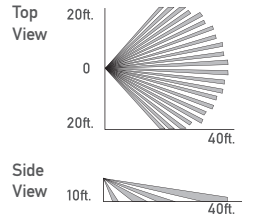
Side View: 32.8ft. mounting height.

**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.



**Motion Detector with Pet Immunity Coverage**



Top View: 20ft. coverage radius, 40ft. width.

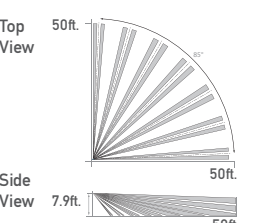
Side View: 10ft. mounting height, 40ft. width.

**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/lft

Long Range Lens (60ft) **ACC668** 

**High Traffic Four Element Motion Detector Coverage**



Top View: 50ft. coverage radius.

Side View: 7.9ft. mounting height, 50ft. width.

**Wall Mount Motion Detector**

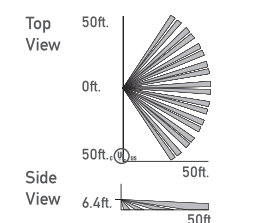
The **EN1260** features digital signal processing that recognizes human signatures to reduce false alarms.

Curtain Lens Kit **ACC672CT**

Long Range Lens Kit (99ft) **ACC672LR**

Pet Alley Lens Kit **ACC672PA** 

**Wall Mount Motion Detector Coverage**




Top View: 50ft. coverage radius.

Side View: 6.4ft. mounting height, 50ft. width.

**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
<b>EN4204R</b>	4	4 Alarm / 1 Fault
<b>EN4216MR</b>	16	5 Alarm / 1 Fault
<b>EN4232MR</b>	32	11 Alarm / 1 Fault



**Serial Receivers - Direct to Panel Integration**

Serial receivers integrate directly to partner panels used in commercial access control/intrusion. These integrations leverage programming and wiring familiarity to expedite inclusion, or expansion, of wireless end points.

Panel integration list on front 

**High Power Repeater**

The high power repeater amplifies transmissions from any transmitter.


High Power Repeater with Transformer **EN5040-T**

Without Transformer **EN5040**

Weatherproof Enclosure **ACC650** 

**Survey Receiver**

The **EN4016SK** survey receiver is a portable and easy to use tool for determining the optimal location for transmitters and repeaters. Reduce bid risk, decrease installation time, and build credibility with clients.



**Survey Transmitters**

Survey transmitters are used with the EN4016SK survey receiver to help determine optimal location for transmitters and repeaters.


Survey Universal **EN1210SK**

Survey Pendant **EN1223SK** 

**Survey Kit & App**

The **EN7017** survey kit and app reduces bid risk, decreases installation time, and builds credibility with clients. Quickly prepare accurate quotes for even the most complex jobs.

Mobile app available on Android and iOS devices.



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. Visit our website for UL information.