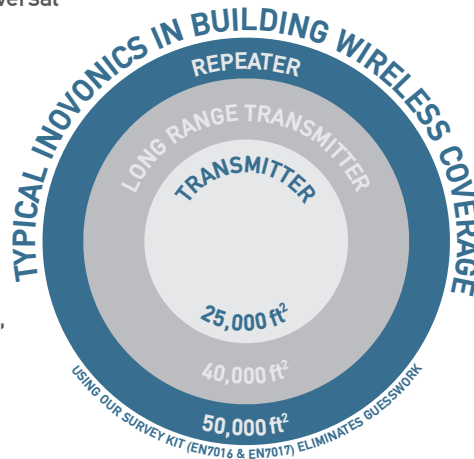


### Inovonics Wireless Solutions

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 System Configuration



Security Panel



Panel Interface / Receiver



Repeater Network\*



Wireless Transmitters

 = Wired Connection

 = Wireless Connection

### PANEL INTERFACE OPTIONS

#### JOHNSON CONTROLS Interface - EN7290\*

TYCMSM128 - 127 pts.

TYCMSM250/TYC250F - 249 pts.

JOHNSON CONTROLS panel supports multiple condition devices (EN1212, EN1216, EN1224, EN1224-ON, EN1236D, EN1238D)

#### HONEYWELL Interface - EN7290\*

VISTA-128 - 127 pts.

VISTA-250 - 249 pts.

HONEYWELL panel supports multiple condition devices (EN1212, EN1216, EN1224, EN1224-ON, EN1236D, EN1238D)

#### BOSCH® Interface - EN4200

BOSCH D7212G  
32 pts.




BOSCH D7412G  
67 pts.

BOSCH D9412G  
238\* pts.

Requires ENKIT-01 (GV3) or ENKIT-SDI2 (GV4) - available from BOSCH. The ENKIT-01 and ENKIT-SDI2 include both EN4200 and interface module. May require multiple interface modules.

#### Other Commercial Panels - Add On Receivers

Connect almost any panel or I/O device through the receivers form C relay outputs.

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

EN4232MR and EN4216MR includes support for multiple condition devices.

\* Serial interface supports multi-condition pendants.

\*\*User assigned fault outputs

**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** 



**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.



**Glassbreak Detector**

The **EN1248** glassbreak detector is a wireless omnidirectional glassbreak detector, providing detection coverage of 180°.

This is a direct replacement of the EN1247.




**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**



**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**

The **EN1266** 360° ceiling mount motion detector is a four element passive infrared intrusion detector for use in electronic security systems in ceiling mount applications.

This is a direct replacement for the EN1265.



**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.



**Wall Mount Motion Detector with Pet Immunity**

The **EN1263** motion detector with pet immunity is an advanced, fully supervised low-current wireless motion detector with the most advanced optics detection method for reliable system operation.


This is a direct replacement for the EN1260/EN1262.



**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-H2OS36-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.*




**Staff Badge with RFID**

The **ADV12291** staff badge with RFID allows you to accurately locate employees in near real time for alarm response and other critical needs.




**Staff Badge**

The **ADV1290** staff badge allows you to accurately locate employees in near real time for alarm response and other critical needs.



**Asset Tag**

The **ADV1280** asset tag allows you to accurately locate essential equipment in near real time to improve efficiency and support loss prevention measures.



**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**



**IP Gateway (requires an IP gateway license)**

The **EN4080** IP gateway combines EN4000 receiver and third party IP gateway functionality into a single product.




**LICBACNET**  
Enables output EchoStream messages into BACnet/IP systems


**LICMQTT**  
Enables output EchoStream messages into MQTT-based Amazon Web Services applications



**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



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.