Inovonics 16 Zone Multi Condition Receiver User Guide

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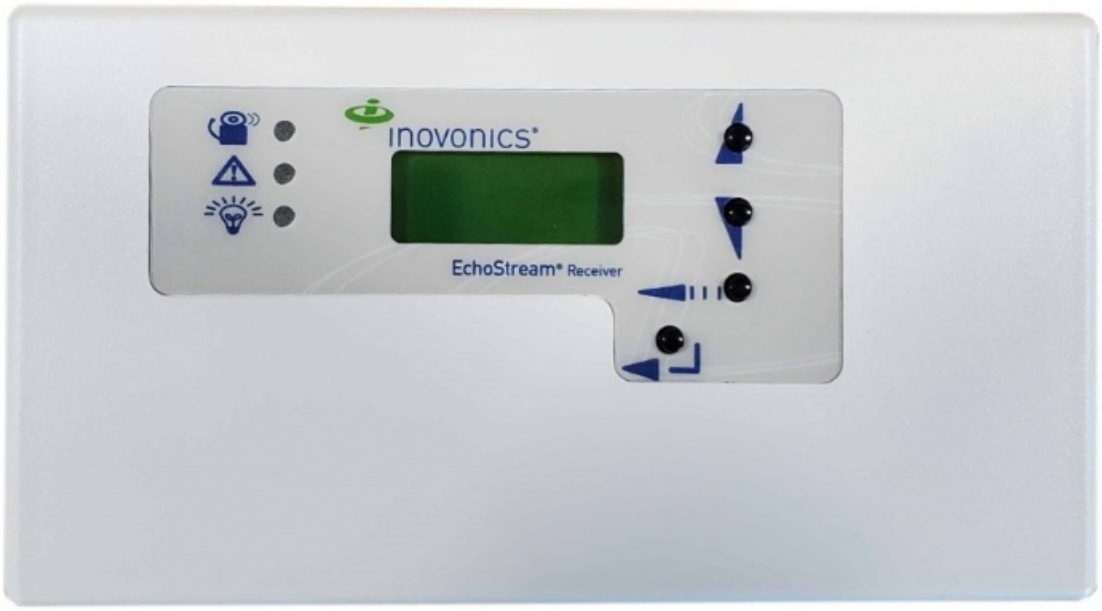
Inovonics 16 Zone Multi Condition Receiver



Specifications

- Support for thousands of security devices
- High-power repeater mesh technology
- Wireless coverage for small, medium, and large commercial buildings
- Compatible with various security systems

Product Usage Instructions

Panel Interface Options
Choose the appropriate panel interface based on your security system:

- Johnson Controls Interface – EN7290* supports up to 127 or 249 points
- Honeywell Interface – EN7290* supports up to 127 or 249 points
- Bosch panels support different point configurations and require specific kits

Security System Configuration
Connect the wireless transmitters to the panel interface or receiver:

- Use the provided receivers to connect various panels or I/O devices
- Wireless transmitters can be used with wired or wireless connections

Wireless Transmitters
Choose the appropriate pendant transmitter based on your needs:

- **Single Button EN1223S / Double Button EN1223D:** Compact pendants ideal for healthcare applications
- **Single Button EN1233S / Double Button EN1233D:** Necklace pendants for easy wearing
- **Single Button EN1235S / Double Button EN1235D:** Belt clip pendants with durable clips included
- **Single Button EN1235SF / Double Button EN1235DF:** Fixed position pendants with easy installation
- **Four Condition EN1224 / Four Condition On/Off**

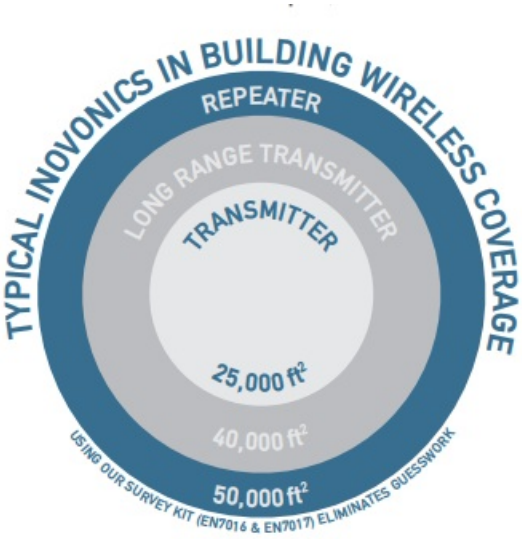
EN1224-ON: Multi-condition pendants for advanced functionality

FAQ (Frequently Asked Questions)
Q: Can the wireless transmitters work in all types of building construction?
A: Yes, the high power repeater mesh technology ensures coverage in all types of building construction.

Johnson Controls Product Guide

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.



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, E N1236D, 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

Security System Configuration

- **Water Resistant Pendant**

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

  Single Button EN12235

  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**

  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/0 or N/C sens and include a case tamper switch.

  - Universal Transmitter EN1210
  - With EOL Resistor EN1210EOL
  - Door/Window Transmitte 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/0 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 omin- directional glassbreak detector, providing detection coverage of 180°. This is a direct replacemnt 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 electonic secuiry 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-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. Staff Badge with RFID**
  The ADVL2291 staff badge with RFID allows you to accurately locate employees in near real time for alarm response and other critical needs.
- **Staff Badge**
  The ADVL1290 staff badge allows you to accurately locate employees in near real time for alarm response and other critical needs.
- **Asset Tag**
  The ADVL1280 tasset 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.
- 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
EN4204R	4	4 Alarm / 1 Fault
EN4216MR	16	5 Alarm / 1 Fault
EN4232MR	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.

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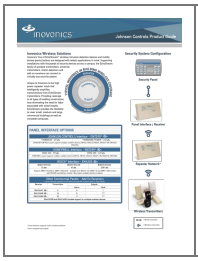
- Toll-Free: 800.782.2709
- Tech Support: 800.782.2709, option 2
- Customer Service: 800.782.2709,option 1 • **sales@inovonics.com** **www.inovonics.com**

Documents / Resources

	**Inovonics 16 Zone Multi Condition Receiver** [pdf] User Guide 16 Zone Multi Condition Receiver, 16 Zone, Multi Condition Receiver, Condition Receiver, Receiver

References

- **Unparalleled network infrastructure | Inovonics**
- **User Manual**

Manuals+, **Privacy Policy**

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