

# Inovonics Wireless Overview

- Life safety grade RF wireless technology from Inovonics
- 900 MHz: long range at commercial/industrial sites
- FHSS for RF interference avoidance
- Low current draw for long battery life
- Built for purpose – not IT managed
- Repeaters with built-in back-up battery
- Full selection of transmitters
- Integration with any platform
- Well suited for physical security
- Proven performance in life safety applications



# Advantages of Wireless

- Panic and Duress Alarms
  - Cost effective risk mitigation in high risk environments
- Hand in Hand with Video
  - Accurate Motion Detected Video
  - Reduce distractions and operator fatigue
- Access Control
  - Initiate lockdown
  - Monitor uncontrolled openings
  - Door release by receptionist





# RF transmitter with door contact

- Surface mount
- Recessed contact
- Overhead door contact
- Roof hatch contact





# Door controller and RF receiver

- Monitor and log activity at uncontrolled openings.
- Alert of a propped door.
- Initiate lockdown.



## Inovonics and Video Surveillance: Wireless PIR for challenging motion detected video (VMD)

- Camera VMD false positives
  - Automatic gain control at night
  - Moving foliage outdoors
- A wireless motion detector, with a wireless receiver tripping the camera's alarm input makes VMD more meaningful in challenging scenes, reducing distractions and operator fatigue





# Intrusion Detection at a Perimeter

Earlier detection of an intrusion leads to a more effective response.



# 900MHz Wireless in Commercial

- Metal construction material
- RF Interference
- 900 MHz has a shorter wavelength than 300 MHz, so it passes through smaller spaces in metal better



# Wireless Repeater Mesh

- EchoStream EN5040-T wireless repeater
- Repeaters do not need home run wiring
- Multiple repeater hops may be used in campus or high-rise applications to form a fully supervised wireless security network
- Power supply with backup battery included





# Honeywell Vista Interface

- EN7290 Inovonics serial receiver
- Direct interface to keypad loop
- Vista128 and Vista 250 panels
- Point to point for alarms and troubles
- Programs just like Honeywell
- Minimal training required for installers



# Bosch Panel Interface

- Point to point for alarms and troubles
- Bosch B-Series panels
- ENKIT-SDI2





# ICT Protégé Interface

- Point to point for alarms and troubles
- ICT Protégé GX and WX
- IN-PRT-IVO-IF Receiver/Interface
- Access Control and Intrusion Platform



# Inovonics and Building Management

- Building Management Systems (BMS) and Physical Security are Converging
- Inovonics integrates with BMS via BACnet/IP
- EN4080 with LICBACNET
- Inovonics security devices for life safety
- Temperature and Humidity transmitters





# Add-on Receivers

- Form-C relay outputs
- Connect to any platform
- Fault outputs for supervision
- Configurable for flexibility
- EN4232MR – 11 alarm outputs
- EN4216MR – 5 alarm outputs
- EN4204R – 4 alarm outputs



# Door, Window, Universal Transmitters

- EN1210 Universal, any door contact
- EN1210W Includes magnet and built-in contact
- EN1210EOL end of line resistor for loop supervision
- EN1212 dual input
- EN1215EOL commercial burg UL listed
- EN1215WEOL commercial burg UL listed
- EN1252 Long range high power





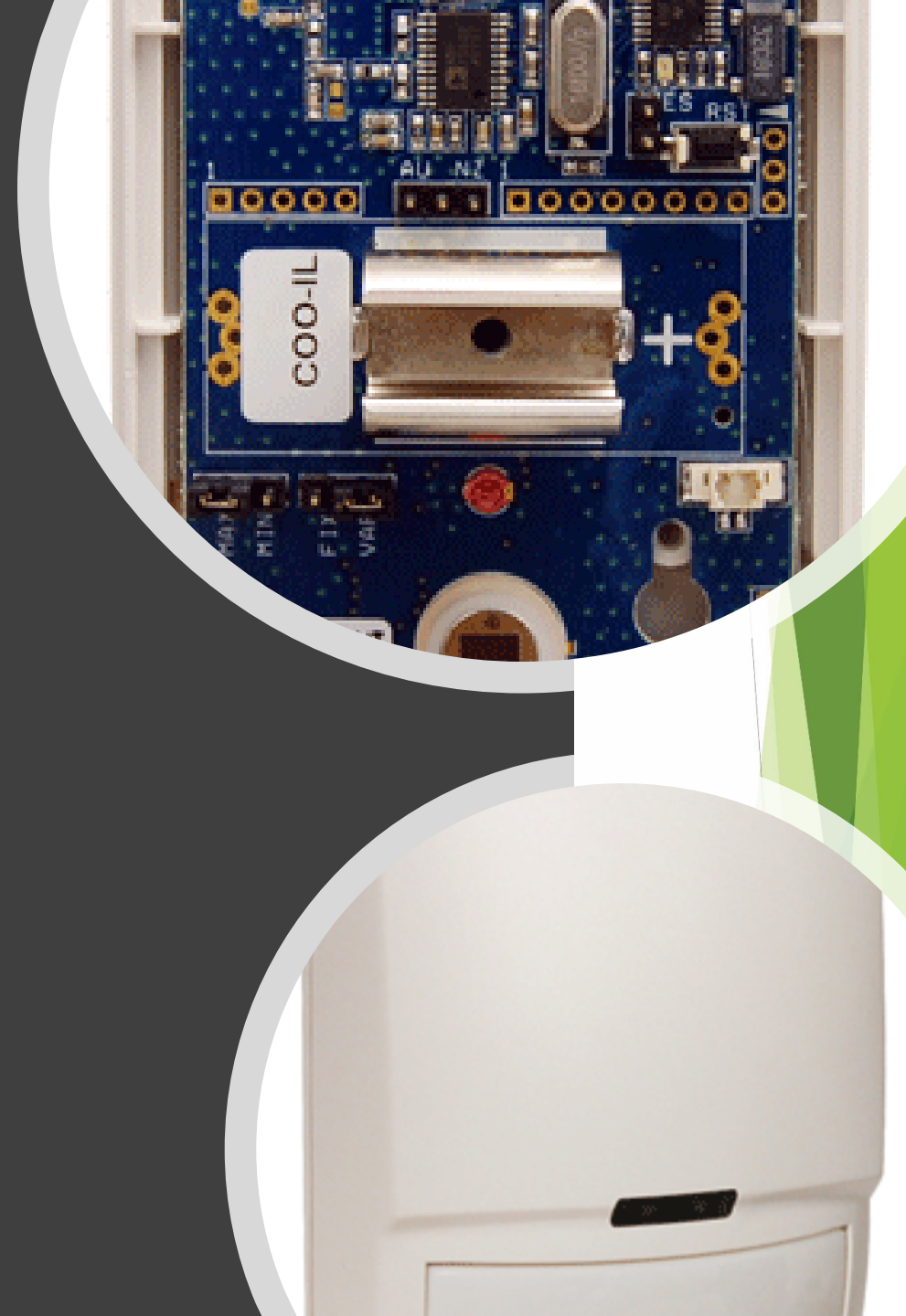
# PIR Motion Detectors

- EN1260
- Wall mount motion sensor
- 100 foot curtain lens option (ACC672LR)
- EN1262
- Bosch motion sensor
- 30 lbs pet immunity
- EN1265
- 360° ceiling mount motion sensor
- High ceiling lens option – 25 feet



# PIR for High Traffic

- EN1261HT
- Wall mount motion sensor
- Sleek profile
- 40 feet by 40 feet
- Excellent for high traffic
- 4 year battery life
- UL listed



# Panic Alarm Pendants

- EN1223S Single button, water resistant
- EN1223D Double button, water resistant
- EN1233S Single button, neck chain
- EN1233D Double button, neck chain
- EN1235S Single button, belt clip
- EN1235D Double button, belt clip
- EN1235SF Single button, fixed mount
- EN1235DF Double button, fixed mount
- EN1236D 3 condition pendant
- EN1238D 2 condition pendant
- EN1224 4 condition pendant
- EN1224ON Arm/Disarm pendant





# Billtrap Transmitter

- EN1249
- Optional 10 second delay to reduce nuisance alarms
- UL listed
- Receiver can be connected to alarm input of camera that is looking at that cash handling position



# Glassbreak Transmitter

- EN1247
- Acoustic sensor
- 20 foot sensing range



# Smoke Detector

- EN1244
- UL 268 Resi, System Listing
- CSFM
- Condos – Check with AHJ





# Carbon Monoxide Detector

- EN1245
- Commercial grade
- UL 2075 Gas and System Listing
- 10 year sensor
- CSFM
- Notification, Ventilation



# Wireless Water Detector

- EN1751 with FP280 water sensor
- Prevent expensive water damage



**Honeywell® FP280 Probe**  
**(Pictured Below) Sold**  
**Separately**

# Wireless Temperature Alarm

- EN1752
- 40 degrees F low, 80 degrees F high with onboard sensor
- Programmable with USB cable and PC application
- IT closets – eliminate server downtime
- Cold storage – prevent spoilage
- Works with Honeywell T280R external probe for a freezer





# Optex iSeries

- Optex Beams and Motion Detectors
- Inovonics transmitter built-in
- Battery powered, fully supervised
- Outdoor rated
- Nuisance alarm discrimination
- Numerous coverage patterns and mounting heights



# Remote Relay Activation

Connect an EN1210 transmitter to an aux output on a control panel. When the control goes in to alarm, the EN1210 broadcasts to an EN4204R receiver, activating its relay, triggering a remote siren. Great for a guard shack or remote office.



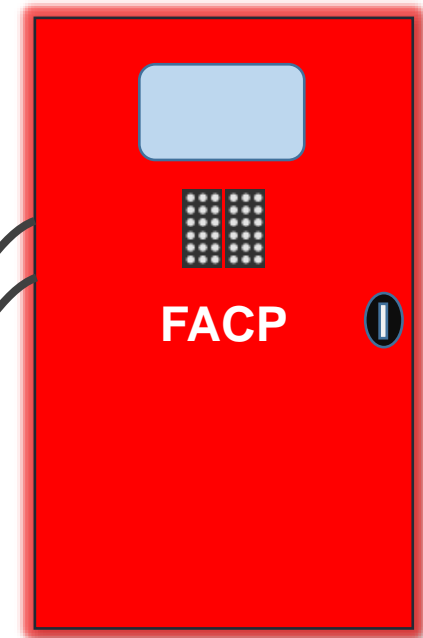
# Inovonics Wireless for Commercial Fire



EH1115EOL



EH4104R





# Survey Kit

- RF wireless range testing
- Easily determines repeater usage and placement
- Android / IOS App
- Runs on your phone
- Small portable receiver
- Inexpensive
- EN7017



## Summary: Top Benefits

- Superior wireless performance: long range and reliability
- Labor savings: Time and Cost
- Preserve site aesthetics
- Eliminate expensive trenching/overhead/outdoor wiring
- Integration with any security system
- Flexibility to meet the goals of the physical security plan
- Easy to add to any security system
  - Duress/Panic alarms round out every design
  - Relevant in any system

# Customer Qualifiers

- Do you do alarms in commercial?  
Intrusion, panic, Fire
- What kind of alarm panels do you use?  
Honeywell, Bosch, Sonitrol
- What access control and video systems do you use?  
RS2, Open Options, Genetec, Milestone, ICT
- Do you do BMS (commercial HVAC) in addition to security?  
Delta Controls, Honeywell, Alerton, Schneider, Andover, JCI

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