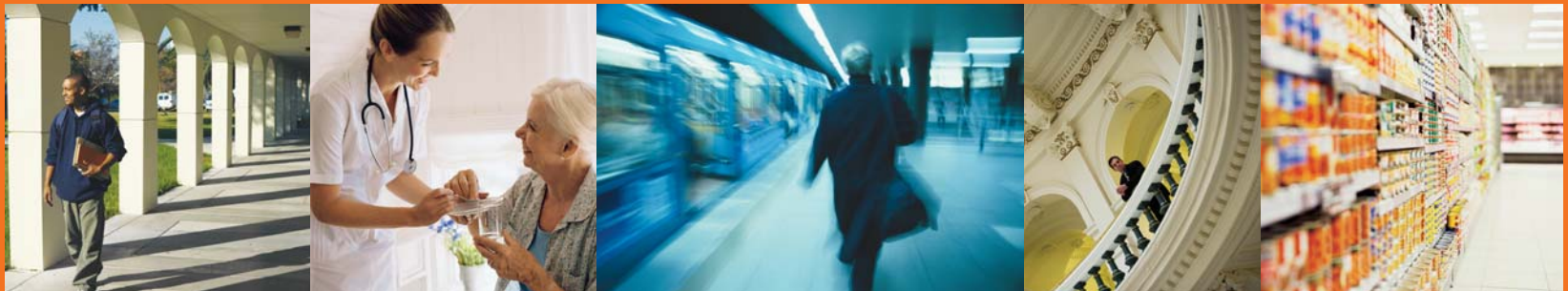


frequency agile®
security product catalog 07/08



 inovonics™

Dear Security Partner,

For more than 20 years, Inovonics has designed and produced wireless products to satisfy customers' needs. Customers demand our products for a wide variety of applications including: security, submetering, building controls, food safety, pest control and others. Inovonics has never stood still in new product development and we plan to continue that trend. In 2007, you'll really see things in motion at Inovonics. We've launched a new world-class network—the Commercial-Mesh Network™, which enables multiple applications to operate over a single RF repeater backbone efficiently and reliably. New sensors and new 2-way control products are coming to market.

With all that as a back drop, Inovonics' Frequency Agile® product line is still the best at long-range, long battery life wireless transmitters, with range extensibility using a high-power repeater network that is unparalleled by any competitor. Virtually any large and challenging RF environment is no match for our products. With this bold message, I am happy to present the 2007 FA Security Products catalog.

We appreciate your business and look forward to helping you solve your commercial security installation challenges. I am confident that our team of experts in the customer service, technical service, engineering, and sales departments can help you with your wireless needs. Please do not hesitate to contact me with your comments or suggestions.

Kindest Regards,



Mark Jarman
President
Inovonics Wireless Corporation



Welcome to the Inovonics Wireless 2006-2007 security products catalog, your one-stop source for true wireless solutions. With over three million RF products installed around the world, Inovonics Wireless offers superior reliability, range, and performance based on our Frequency Agile® technology.

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product line overview

Inovonics Wireless Offers Two Product Lines

- 1) Burglary and fire alarm systems
- 2) Slave receivers to add fully supervised 900 MHz wireless to any hardwire panel.

Whatever the application, Inovonics Wireless has the range and reliability your customers demand in wireless security and life safety installations. We also offer the flexibility you need including a greater assortment of products and configuration options to fit any budget.

Both system level products and slave receivers are supported by the industry's broadest line of 900 MHz transmitters, sensors, and repeaters, including PIRs, door/window sensors, smoke detectors, glassbreaks, temperature sensors, and more.



Burglary and Fire Alarm Systems

In addition to the Wireless Guardian and Vision Plus, our own complete wireless systems, Inovonics Wireless 900 MHz products can be integrated with popular products from recognized leaders in the security and fire alarm marketplaces:

Digital Monitoring Products (DMP):

- XRSuper6
- XR40
- XR20 Panel
- XR200 Panel

Bosch Security Systems:

- D2212B Panel
- D7412
- D2412U Panel
- D9412

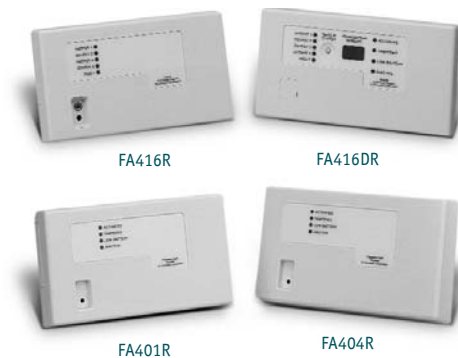
Verex:

- Monitor Integrated Security Management (ISM™)

See pages 6 through 7 for details on system level products.

Slave Receivers for Add-on Applications

You can use slave receivers to add Inovonics Wireless 900 MHz technology to any installation or create stand-alone systems for certain applications. Inovonics Wireless offers slave receivers that support from one to 64 fully supervised 900 MHz transmitters. All receivers are available with either transistor output or with mechanical Form C relay. Optional seven-segment displays are also available for the FA464 and FA416 family of receivers.

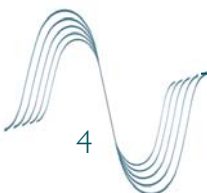


Architects/Engineers Specifications

The contractor shall provide fully supervised 900 MHz spread spectrum wireless equipment. The wireless equipment shall use a frequency hopping technique that sends redundant messages on any alarm across a bandwidth of at least 10 MHz to provide immunity from interference and help ensure reliable communication. A repeater product that allows at least 25 repeaters to be added to the site to accommodate future expansion of the facility should be available.

The wireless equipment shall be offered with sensors including a PIR, glassbreak detector, dual-button pendant and panic transmitter (to minimize false alarms), billtrap transmitters, and universal transmitters. Each transmitter, including all sensor/transmitters, pendants, and panic transmitters shall transmit a supervisory message at least every four minutes, and provide low battery detection. Universal transmitters must support an end-of-line resistor to supervise the wire between the universal transmitter and switch or contact to which it is wired.

Please contact us for complete Architect/Engineering specifications.



3 Key Reasons Why Inovonics Wireless is the Best!

1 Inovonics Wireless Goes Farther

Inovonics Wireless products provide range far superior to products operating at 300 MHz! Why?

The 900 MHz wavelength is 70% shorter than 300 MHz products, allowing the signal to “squeeze” through narrow openings in both commercial and residential environments.

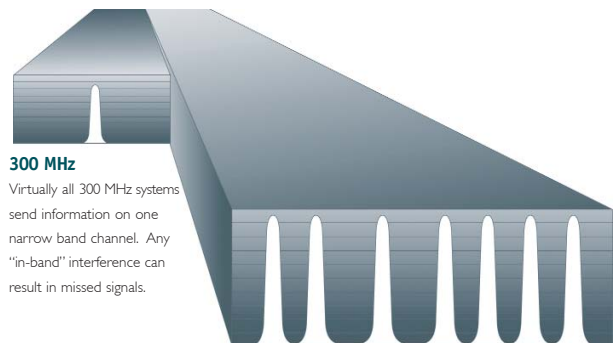
The FCC allows higher transmit powers for 900 MHz spread spectrum systems. Greater transmit power results in significantly greater range. Inovonics Wireless offers up to 10 times the open field range of some narrow-band, single-channel security products.

2 Automatic "Self-Testing"

Inovonics Wireless products are “fully supervised” with the most frequent transmitter “check-ins” available today. Full supervision means that the transmitters automatically transmit (“check-in”) to the receiver on a regular basis to test the system for low battery, tamper, and inactive status. With Inovonics Wireless 900 MHz products, the transmitters check-in once a minute. That’s far more often than most others!

3 No False Alarms from Interference

Inovonics Wireless sophisticated 56 bit protocol eliminates false alarms due to radio interference. With over 2 million products installed worldwide, not a single false alarm due to RF interference has ever been reported.



Inovonics Wireless 900 MHz Frequency Agile

Inovonics Wireless Frequency Agile technology sends redundant information on a multitude of different channels across a 10 MHz band, to maximize range and reliability.



Quality made in the USA Since 1986, Inovonics Wireless has specialized in high performance wireless products. We pioneered the use of 900 MHz technology in the security industry and continue to develop innovative and high quality products for the security industry.

system level products

Bosch Control Panels

Inovonics Wireless and Bosch have teamed up to provide dealers with a 900 MHz wireless option. With the FA422 receiver, you can fully integrate Inovonics Wireless transmitters to Bosch control panels. Designed specifically for Bosch D2212B and D2412U systems, the FA422 connects directly to the keypad bus to access wireless point status for up to 16 Inovonics Wireless transmitters. The FA400 receiver interfaces with the Bosch 7000/9000 panel through the Bosch D8125INV. The 9000 Series can have both hardwired (D8128D Octopoints, D8125 Popex/D9127 Popits) and wireless points connected at the same time.

D2212B/D2412U

The D2212B features eight on-board hardwire sensor loops and three software points. The D2412U features six on-board hardwire sensor loops and three software points. On-site point and system status annunciation are provided through a system keypad that features a backlit two-line LCD display. The D2412U control panel also supports full data interface an UPLINK™ Model I600 Cellular/CellemetrySM Radio Transceiver.

Other features include:

- Expansion capability to 24 wireless points using two FA422 receivers
- Powered, resettable sensor loop for two-wire smoke or glassbreak detectors

- Alarm verification for fire point
- Eight user pass codes with user ID reporting
- Lightning and EMI protection
- Programmable locally at keypad or with D5200 Programmer
- Remote Account Manager provides remote programming, diagnostics, and control
- Bosch's Modem IIIa2™ Communications Format
- Automatic test reports
- Keyswitch arming capability with outputs available for LEDs
- Bosch's Easikey™ access control disarming capability

D9412G/D9412/D9112

On the D9412G/D9412/D9112, you can program up to 238 Inovonics Wireless Transmitters to the system, bringing the total number of points to 246. The

D7412G/D7412 allows up to 67 Inovonics Wireless transmitters, bringing the total number to 75 points. The D7212 allows up to 32 points. These wireless options are typically used where hardwire installations are costly or impractical, or in applications where personal protection via pendants is desired. The transmitters can be placed anywhere within the maximum range and their locations can be moved without costly re-wiring.

Other features include:

- Works with a broad selection of Inovonics Wireless transmitters.
- Supports use of FA575 stand-alone high power repeater
- Programs wireless transmitters with easy-to-use interface.
- Offers a separate 96-hour

BOSCH



extended supervision window for portable pendants.

- Provides for custom options (N/O, N/C, etc) for individual transmitters.
- Allows use of alarm transmitters acting as wireless keyswitches (FA113).
- Detects receiver case tamper condition.

For additional information on system level products featuring integrated Inovonics Wireless receivers call 800.782.2709 or Bosch at 800.289.0096.

Verex

Verex's Integrated Security Management platform is a cost-effective solution for customers needing a platform that is a highly configurable and scalable system that can be used for anything from a simple burglary system to a networked, multi-site intrusion, access control, fire, life-safety, elevator control photo-badging CCTV and security management solution. To take advantage of the superior Inovonics Wireless Frequency Agile technology, a custom version of the FA400 has been seamlessly integrated with the ISM Monitor:

Monitor ISM™

The Monitor ISM works with a broad range of Inovonics Wireless transmitters, tightly integrated to the system through the Verex 900 MHz Wireless Expansion Module (Verex Part No. 120-9240). Each module supports up to 32 wireless devices and can be placed anywhere on the bus.

Other features include:

- Support for 'high-end features' in smaller systems including dynamic mapping, video integration, event prioritization and enhanced reporting
- Allows for video integration
- Enhanced reporting
- Automated setup
- User friendly "wizards" that ask the installer for information that the wizard uses to greatly

simplify system setup, drastically reducing configuration time

- An easy to use LCD keypad and pre-configured system defaults that allow a simple Monitor ISM burglary system to be set up in minutes
- Scales from 128 intrusion points to over 7,000, from 1,000 users to 64,000, 16 doors to over 1900!

VEREX

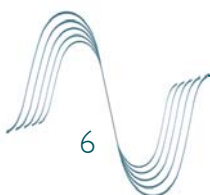
Making security easier for you



For additional information, call Inovonics Wireless at 800.782.2709 or Verex at 905.206.8434

Digital Monitoring Products

Inovonics Wireless' relationship with Digital Monitoring Products continues to provide dealers with a wide range of options for both residential and commercial applications. DMP offers four versatile panels with integrated Inovonics Wireless receivers, one of which is capable of supporting up to 227 fully-supervised Inovonics Wireless transmitters. For additional information, call Inovonics Wireless at 800.782.2709 or DMP at 800.641.4282.



wireless GUARDIAN



KP130

CP2130

Wireless Guardian

The Wireless Guardian System includes the Wireless Guardian Control/Communicator Panel and an integrated receiver. An LCD keypad is sold separately. The Wireless Guardian is a competitively-priced hybrid panel that offers the flexibility you need to make your next installation a success. Ideal for both commercial and residential applications, the system includes the CP2130 Wireless Guardian control/communicator panel and an integrated receiver. Wireless Guardian also supports our wide range of transmitters, wireless remotes, and keypads that can be placed exactly where they are needed without drilling holes or pulling wires through walls, floors, or ceilings. Wireless Guardian's simplified keypad interface allows your customers to easily arm and disarm the system, check system status, or bypass specific points. Descriptions for each point can be entered in English, providing easy recognition of alarm and system status.

Other features include:

- Full upload/download capability with answering machine bypass
- Communicator uses 4x2, 4x2 Map, or Contact ID reporting
- Four built-in hardwire zones
- Supports up to 48 fully supervised wireless points
- Easy to program. Menu prompts eliminate the need to memorize locations or codes
- 900 MHz Frequency Agile radio provides superior range
- Large, backlit, alphanumeric LCD with 2x16-character display
- Compatible with a wide range of arming devices and transmitters
- Event memory stores up to 95 events
- Opening and closing reports by user code
- Independently programmed entry and exit delays
- Keypad displays signal status
- Spanish keypad available
- 3 arming modes

VISION plus

INOVONICS
WIRELESS



FA2525

Vision Plus

Our packaged wireless/hardwire system, FA2525, includes the C2020 Vision Plus control/communicator, the KP103 keypad, and the FA400 remote receiver. Perfect for mid- to high-end residential or commercial installations, the Vision Plus wireless/hardwire panel has 48 fully supervised points, six of which can be hardwired. Programming is user friendly with helpful prompts, there are no programming codes to memorize. With the Vision Plus, you can tailor the installation to your customers' requirements by adding up to two receivers, four hardwire keypads, and multiple repeaters.

Other features include:

- Full upload/download capability with answering machine bypass
- Three arming modes
- Two Form C relays included
- Six built-in hardwire zones
- Communicator uses 4x2, 4x2 Map, or Contact ID reporting
- Large, backlit alphanumeric LCD with 2x16-character display
- Compatible with a wide range of arming devices and transmitters
- Easily programmed via keypad or downloader
- Event Memory stores up to 95 events
- Opening and closing reports by user ID
- Independently programmed entry and exit delays
- Spanish keypad available

high power repeater



FA575

The FA575 repeater offers substantially more transmit power than previous models and 300 times the output power of 300 MHz products, dramatically increasing range – especially in “open-air” type of installations such as multi-building projects. You can now install Inovonics Wireless in almost any site including campuses, office complexes, multi-story buildings, and more.

FA575 Features

- Effectively enhances the range of transmissions without programming
- Signal Synchronization Processing™ minimizes the excessive signal generation problem that occurs with conventional store-and-forward repeaters
- Easy to install. Just mount and plug into an AC outlet
- Flexible design monitors battery, protects case against tamper (requires optional contacts)
- Repeater can be programmed as a point for supervising the radio link from the repeater to home receiver
- Attractive weatherproof housing
- Allows a virtually unlimited number of repeaters to be added to any job
- Allows repeater to be customized for each application
- Perfectly suited for indoor or outdoor installations

FA570 High Power Indoor Repeater

The FA570 is the same repeater as the FA575 without the ACC640 outdoor housing that accommodates a back-up battery.

The substantial increase in transmit power of the high power FA575 offers even greater application flexibility. In fact, Inovonics Wireless repeaters are currently in use at a 1.3 million square-foot shopping mall in Florida.

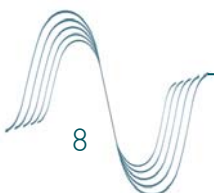
Model	Dimensions	Power	Battery Replacement ¹	Battery Life ² (avg.)
FA575	7 x 7 x 3"	14 VAC/20VA transformer included	Back-up battery (BAT603) available	N/A
FA570	6.5 x 3.5 x 1"	14 VAC/20VA transformer included	See note 3 below	N/A

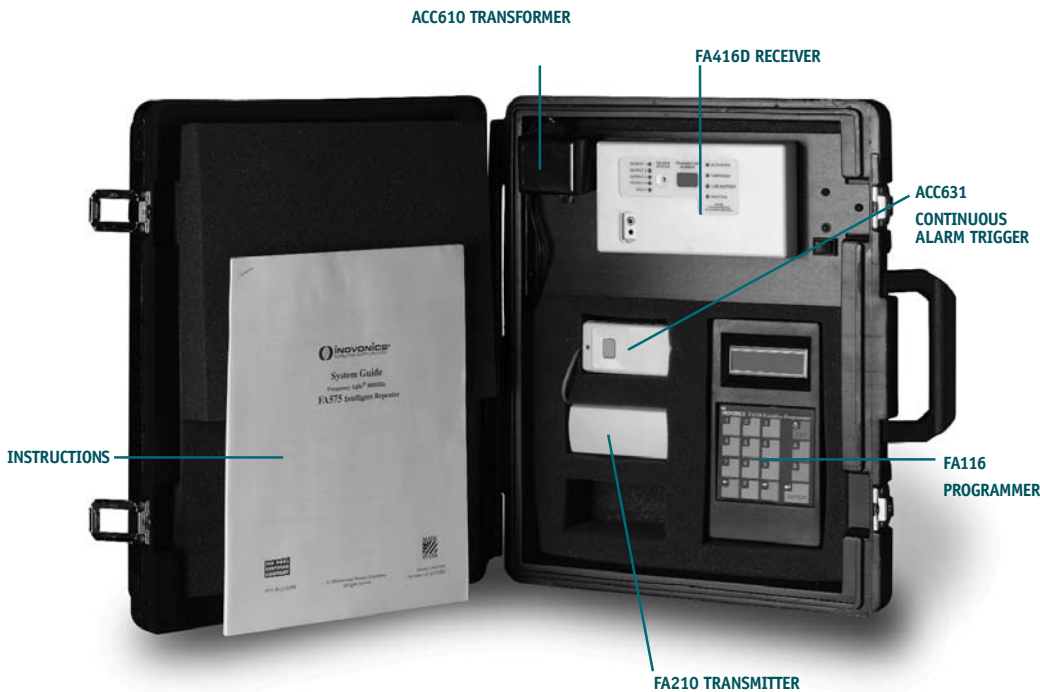
1) Not all brands are equivalent. Please use only the Inovonics Wireless battery specified.

2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times.

3) FA570 has charging circuitry to support a back-up battery; however, the housing is not large enough to enclose a back-up battery.

Operating Environment: 32 to 140° F (0 to 60° C), up to 90% relative humidity (non-condensing)





Demonstrate the superior range and reliability of Inovonics Wireless with the FA715 Survey Kit.

Site Design & Demonstration Made Easy

FA715 Wireless Survey Kit

This portable, easy-to-use kit allows you to take the guesswork out of your next wireless bid with a quick and accurate site survey. You can easily determine if repeaters will be needed, and if so, determine the optimum location for each. With the FA715 you can also see, hear, and demonstrate the superior range, performance, and reliability of Inovonics Wireless. Let your customer experience the benefits of Frequency Agile technology in person. The FA715 is powered by a rechargeable battery and is completely portable.

Key Features

- Survey any facility quickly and easily
- Completely portable
- Rechargeable battery operates system for up to six hours
- Determine optimum location for transmitters, repeaters, and receivers
- Demonstrate the range of Frequency Agile transmitters and close the sale

FA715 Components

Transformer

Powers battery charger when plugged in. The survey kit can be operated by 110VAC or by self-contained battery.

FA116 Programmer

Programs transmitters, diagnoses receivers and transmitters, and determines signal strength.

Instructions

A step-by-step detailed guide through the survey procedure.

ACC631 Continuous Alarm Trigger

Turns site surveys into a one person job.

FA210 Universal Transmitter

Activated by ACC631, the FA210 sends a near-continuous stream of signals to the receiver:

FA416D Receiver

Processes radio signals from transmitters and displays status.

How To Order

The FA715 wireless survey kit is available for purchase or as a loaner for up to two weeks. You pay only the cost of shipping. Call for details. For added convenience and increased accuracy, be sure to add the optional FA250 high power transmitter with an extra ACC631 trigger to the kit. The FA250 closely simulates the high transmit power of the Inovonics Wireless FA575 high power repeater.

arming devices



The reliable performance of Inovonics Wireless arming equipment is your customer's daily reminder that you have given them the highest quality wireless security installation. From wireless keypads to keychain remotes, our 900 MHz Frequency Agile arming devices are a technological leap from yesterday's less-capable 300 MHz devices.

FA100 Command Remote

This wireless remote control provides simple arming, disarming, and alert functions at the touch of a button. Works with the Vision Plus, Wireless Guardian, DMP, and Bosch panels with an integrated Inovonics Wireless receiver.

KP103 Hardwired Executive Keypad

Featuring a large, easy-to-read display, this keypad improves the appearance and directs the performance of the Vision Plus system. The KP103 features include

an easy-to-read alphanumeric LCD with 2x16 character display, backlit keys, and dedicated EMERGENCY, FIRE, POLICE, SPECIAL, and CHIME keys. Installation is easy and splice-free with terminal block connections. The KP103S is the Spanish equivalent to the KP103.

FA130 Wireless Keypad

A perfect replacement for a difficult wire run, the fully supervised FA130 features clearly identified keys in a housing designed to blend in with any decor. When used in combination with a speaker or status light, it provides extremely

reliable and secure wireless arming, disarming, and panic signaling. Used with the Inovonics Wireless Vision Plus and Wireless Guardian panels.

FA113 Keychain Remote Control

This convenient remote offers the range and reliability of 900 MHz technology, yet it's small enough to fit on a keychain. Use it for remote arming, disarming, and panic for all Inovonics Wireless panels as well as DMP and Bosch panels with integrated Inovonics Wireless receivers.



System status is displayed on the backlit readout of the KP103.

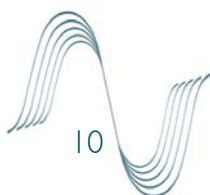
Model	Dimensions	Power	Battery Replacement ¹	Battery Life (avg.) ²
FA100	5.6 x 1.8 x 0.8"	3.0V lithium	BAT604 ³	8 years (unsupervised)
KP103	8.25 x 4.5 x 1.125"	From panel	N/A	N/A
FA130	8.25 x 4.5 x 1.125"	3.0V lithium	BAT604	3-4 years (supervised)
FA113	1.6 x 3 x 0.75"	3.0V lithium	BAT608	8 years (unsupervised)

1) Not all brands are equivalent! Impedance varies considerably in lithium batteries. Please use only the lithium batteries specified.

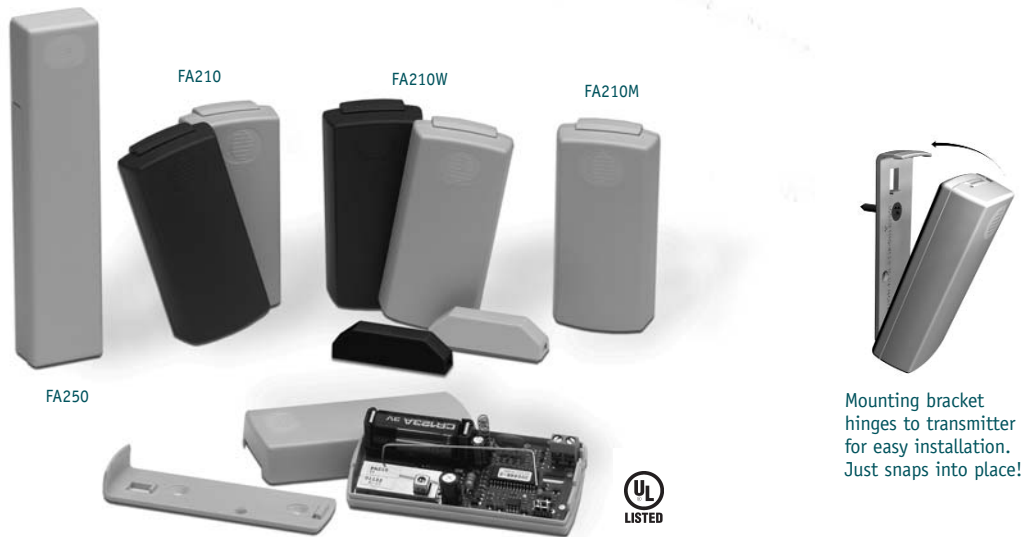
2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times.

3) In early 1997, the battery in the FA100 was converted from the BAT606 to the BAT604.

Operating Environment: 32 to 140° F (0 to 60° C), up to 90% relative humidity (non-condensing)



universal & high power transmitters



Mounting bracket hinges to transmitter for easy installation. Just snaps into place!

These fully supervised transmitters enable you to program check-ins at 5-minute, 60-second, 30-second, and 10-second intervals. It's perfect for high security installations that require a tight supervision window or residential installations where a four-hour window is sufficient. In addition to conventional door contacts, consider using Inovonics Wireless universal transmitters with shock sensors, holdup buttons, pressure mats, temperature sensors, status relays, and a host of other sensors and devices.

FA210 Reduced-Size Universal Transmitter

Available in off-white (FA210) or brown (FA210-BN). For use with any standard contact or sensor; this reduced-size universal transmitter comes with case tamper and supports an end-of-line resistor. Mounting bracket provided for quick and easy installation. Includes a 3V lithium battery.

FA210W Reduced-Size "Wide Gap" Door/Window Transmitter

Available in off-white (FA210W) or brown (FA210WB). Same as the

FA210 but includes two built-in magnetic reed switches: One on top and one on the side for maximum flexibility. The reed switch can be used in tandem with the external switch. Includes magnet that supports a 5/8" gap and a 3V lithium battery.

FA210M (Momentary) Reduced-Size Universal Transmitter

Same as FA210 but is designed to support a N/O momentary switch with a fast contact closure. Ideal for push-button applications (switch closure time needs to be greater than

10ms), the FA210M is not intended for use with a latching switch and does not support an EOL resistor. Includes a 3V lithium battery.

FA250 High Power Universal Transmitter

Ideal product for buddy systems, very large sites, or sites with separate buildings. Same operation as the FA210 universal transmitter; but with increased output power and at least four times the open field range. Works with all Frequency Agile receivers and repeater.

Why use an EOL resistor?

Inovonics Wireless universal transmitters supervise the wire between the transmitter terminal block and switch via an EOL (end-of-line) resistor. If the wire is cut, accidentally or intentionally, a tamper message will be transmitted.

Model	Dimensions	Power	Battery Replacement ¹	Battery Life (avg.) ²	UL Listed
FA210	3.5 x 1.7 x 0.9"	3.0V lithium	BAT604	4-5 years	Yes
FA210W	3.5 x 1.7 x 0.9"	3.0V lithium	BAT604	4-5 years	Yes
FA210M	3.5 x 1.7 x 0.9"	3.0V lithium	BAT604	4-5 years	Yes
FA250	6 x 1.25 x 0.75"	3.0V lithium	BAT604	1 year	No

1) Not all brands are equivalent. Please use only the Inovonics Wireless battery specified.

2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times.

Operating Environment: 32 to 140° F (0 to 60° C), up to 90% relative humidity (non-condensing)

passive infrared motion sensors/transmitters



Inovonics Wireless offers the flexibility of five motion sensors, each with an integrated transmitter to meet every indoor installation need. All PIR transmitters feature digital signal processing to recognize "human signature" size and movement, which reduces false alarms. All PIRs come with a 3V lithium battery.

FA206I

For residential and high traffic commercial applications, this Inovonics Wireless brand PIR features rounded design to blend with surrounding environment and offers extended battery life in high traffic applications. The advanced microprocessor helps ensure capture while minimizing false alarms.

FA206S

For residential and low traffic commercial applications, GE Interlogix's premier Sharpshooter™ PIR has increased immunity to radio interference, vibration, static, stray light, rapid temperature changes, and other false alarm sources. Provides 45°x90° coverage. Optional lens patterns available.

FA206DS

For larger commercial applications, Detection Systems' 775 RF PIR offers both a high detection rate and high immunity to false alarms. The three-minute sleep time after alarm detection maximizes battery life in high traffic applications. Mirrored optics provide superior signal-to-noise ratio and better capture. Pointable mirror inside tamper-protected case helps ensure the PIR is not mis-directed or mis-aimed without detection. Long-range mirror (ACC671) also available.

FA206B

For residential and low traffic commercial applications, the Detection Systems RF940U PIR uses advanced signal processing to

provide outstanding catch performance and unsurpassed false alarm immunity. With Pet Friendly® pet immunity, alarms triggered by animals are greatly reduced. Optional swivel mounting bracket and ceiling mount available.

FA206C

This four-element passive infrared intrusion detector is for use in ceiling mount applications providing protection from intruders by PYRO Sensor Element. The FA206C is equipped with a special hard lens that provides wide coverage patterns even at low mounting heights. It is especially immune to sunlight, halogen and fluorescent lights and is impervious to attacks.

PIR Accessories

ACC660 Assorted Lens Pack

Package of five assorted lens types are available for the FA206S Sharpshooter PIR.

ACC661 Pet Alley Lens Pack

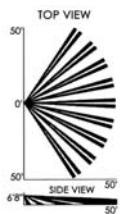
Package of five Pet Alley lenses are available for the FA206S Sharpshooter PIR.

ACC663 Ceiling Mount

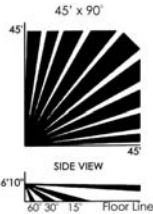
Converts the FA206S Sharpshooter into a wireless ceiling mount PIR.

ACC671 Long Range Mirror

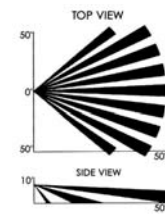
Provides 120 foot range for the FA206DS PIR.



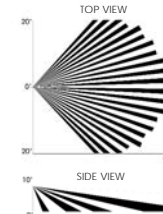
FA206I Standard Lens Coverage



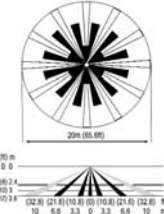
FA206S Standard Lens Coverage



FA206DS Standard Lens Coverage



FA206B Standard Lens Coverage



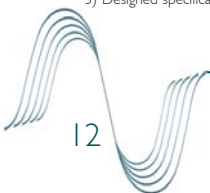
FA206C Standard Lens Coverage

Model	Dimensions	Power	Battery Replacement ¹	Battery Life (avg.) ²	Sleep Time	Operating Temperature
FA206I	5.55 x 2.7 x 2.2"	3.0V lithium	BAT604	2 years	Variable ³	32 to 120° F
FA206S	3.75 x 3 x 2.5"	3.0V lithium	BAT604	2 years	90 seconds	32 to 120° F
FA206DS	5.75 x 3.75 x 2.5"	3.0V lithium	BAT604	2 years	180 seconds	32 to 120° F
FA206B	4.5 x 2.5 x 1.6"	3.0V lithium	BAT604	2 years	90 seconds	32 to 120° F
FA206C	5.2 x 2.5"	3.0V lithium	BAT604	2 years	Variable ³	32 to 120° F

1) Not all brands are equivalent. Please use only the Inovonics Wireless battery specified.

2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times. The battery life of a PIR transmitter is highly dependent on traffic in its coverage area.

3) Designed specifically for wireless applications, the FA206I/C has a 90 second sleep time, but has intelligence to "sleep-longer" to provide extended battery life in high traffic environments, such as lobbies and hallways.



specialized transmitters



FA202



FA207



FA209



FA216

FA202 Smoke Detector/Transmitter

Our FA202 features GE Interlogix's latest smoke detector improvements including longer battery life, CleanMe™ diagnostics, improved styling, and more. Now powered by two lithium batteries, battery life is estimated at up to five years, which reduces the inconvenience and cost of replacing batteries. The detector continually monitors itself, providing drift compensation and visual display of over- or under-sensitivity so that corrective action can be taken to reduce false alarms. The sophisticated electronics and replaceable optical chamber eliminates the need to send the smoke detector to the factory for recalibration. Includes batteries. UL approved for residential fire.

FA207 Glassbreak Detector/Transmitter

For proven performance and higher immunity to false alarms, our FA207

utilizes GE Interlogix's ShatterPro II Pattern Recognition Technology™ to provide extended range (20ft. radius, 360° coverage), automatic test, and end user features. Includes a 3V lithium battery.

FA209 Wireless Billtrap

Finally, a wireless billtrap with a thin (1/2") profile and the ruggedness of a hardwire billtrap. Our 900 MHz Frequency Agile radio technology allows the FA209 to be fully supervised even inside a metal cash drawer while allowing easy drawer removal. Choose instant transmission or our SelectStart feature, which minimizes false alarms with a 10-second delay before transmitting. Includes batteries.

FA216 Temperature Transmitter Family

Provides greater flexibility in monitoring temperature changes. To protect against freeze damage, the

FA216L sends a standard alarm message if ambient temperature falls to 43°F. Protect against overheating with the FA216H, which sends a standard alarm message if temperature reaches 135°F. In addition, the FA216H/L work with any Inovonics Wireless receiver and can be factory programmed to simultaneously monitor both high and low temperatures. They are ideal for greenhouses, barns/stables, commercial refrigerators, laboratories, computer/telecommunications rooms, and other applications where it is necessary to keep the temperature within a set range. Includes battery. Custom factory-programmed settings are available for all FA216 models. Please contact Inovonics Wireless for minimum order.

Why 900 MHz Systems Offer Better Supervision

FCC regulations effectively limit 300 MHz non-alarm transmissions to one per hour. That's why it takes up to 24 hours to detect a missing or inactive transmitter on all supervised 300 MHz systems. Note that some 300 MHz systems don't even provide this supervision! However, there are no such restrictions for 900 MHz spread spectrum systems. With Inovonics Wireless systems, transmitters can send supervisory signals (check-ins) as often as every 10 seconds, allowing a missing transmitter to be detected in less than one hour, or even 20 minutes in some applications. Please call if you need a supervision window less than one hour.

Model	Dimensions	Power	Battery Replacement ¹	Battery Life ² (avg.)
FA202	5.5 diameter x 2.63"	3.0V lithium	BAT604 (2 required)	3-5 years
FA207	3.1 x 4.75 x 2.75"	3.0V lithium	BAT604	3 years
FA209	2.6 x 6.1 x 0.52"	3.0V lithium	BAT609 (2 required)	1 to 2 years
FA216	3.5 x 1.7 x 0.90"	3.0V lithium	BAT604	4 years

1) Not all brands are equivalent. Please use only the Inovonics Wireless battery specified.

2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times.

Operating Environment: 32 to 140° F (0 to 60° C), up to 90% relative humidity (non-condensing)

pendants



FA223S



FA223D

The Inovonics Wireless line of panic buttons offers a variety of features to fit any application. We have water resistant models, single and double-button transmitters. The interchangeable accessories allow the pendants to be worn around the neck on a chord, on a belt, or on a wrist. All models can be fully supervised and most are available in white and black.

FA223S Water-Resistant Pendant Single-Button

This pendant features the great range and reliability of 900 MHz in a small, water-resistant package! Users can now wear the pendant in the shower, outside in the rain, or in various other moist environments. A single-button design with "press and one-second hold" activation makes the product very easy to use, yet still reduces false alarms. It's especially suited for assisted living installations. Weighing less than 1.4 ounces, it is supplied with both a neck cord and belt clip, and can easily be converted by the end user. An optional ACC623 wristband allows the pendant to be worn on the wrist or arm. Like all

Inovonics Wireless pendants, the FA223S features a fully supervised radio link to ensure reliability. The built-in LED flashes with all transmissions, including supervision, so the user can see that the transmitter is still functioning. Includes a customer-replaceable 3V lithium button-type battery.

FA223D Water-Resistant Pendant Double-Button

The FA223D is similar to the FA223S but designed to meet the specific protection needs of patrolling guards, bank employees, and retail store employees. The two-button design provides protection against false alarms because both buttons must be

pressed simultaneously to initiate an alarm transmission. In addition, the brightness of the LED is dimmed to minimize observation of alarm activation during duress situations. The FA223D is available in dark gray and includes a customer-replaceable 3V battery. It has the same conversion accessories as the FA223S.

ACC623 Wristband

Converts the FA223S and FA223D to a wristband-style transmitter that can be worn like a watch. This durable wristband is ideal for personal panic applications where the transmitter needs to be within easy reach. Order ACC623L for wrists 6.5" to 8.6"; order ACC623S for wrists 5.3" to 7".



FA223S



ACC623S/L
(FA223S SOLD SEPARATELY)

Why Supervise Pendants?

Most dealers prefer to install wireless transmitters that are fully supervised and automatically test themselves. However, many believe that pendants cannot be supervised because they are taken offsite. Inovonics Wireless strongly believes that all wireless transmitters, including pendants, should be supervised. Supervision safeguards against undetected loss of service due to end-user damage such as dropping the pendant repeatedly, exposing it to extreme temperatures/environments, or other similar events. Supervising pendants need not cause unnecessary reports to the central station. There are several ways to provide security to your customers and possibly reduce your liability. Call us for details and request tech note TN1032.

pendants



FA205D Belt Clip/Loop Transmitter Double-Button

To minimize false alarms, both buttons must be pressed simultaneously to transmit an alarm. LED flashes on all transmissions, including supervision, so the user can see that the unit is operating. Supervised pendant comes with belt clip/belt loop. It can also be easily mounted for fixed position signaling. Includes a customer-replaceable 3V lithium battery. Black color. UL approved.

FA214 Keychain Transmitter Four-Button

This keychain size remote control has the range and reliability of 900 MHz. For use with FA464DR or FA416 receiver family to provide sophisticated four-button remote-

control. Ideal for opening/closing gates or doors, and similar applications. Includes a customer-replaceable 3V lithium battery. Black color. FA116 programmer required. UL approved.

FA205S Belt Clip/Loop Transmitter Single-Button

This smart design with simple, single-button activation has an LED the flashes on all transmissions, including supervision, so the user can see that the unit is transmitting. Supervised pendant comes with belt clip that can be converted to belt loop. It can also be easily mounted for fixed position signaling. Includes a customer-replaceable 3V lithium battery. Black color. UL approved.

FA203S Necklace Pendant Transmitter Single-Button

A sleek design with simple, single-button activation. LED flashes with all transmissions, including supervision, so the user knows the unit is operating. Pendant can be supervised. It comes with a neck cord or it can easily be mounted for fixed position signaling. Includes a customer-replaceable 3V lithium battery. White color. UL approved.

FA203D Necklace Pendant Transmitter Double-Button

Same as the FA203S but includes a double-button design to minimize false alarms. Both buttons must be pressed simultaneously to initiate an alarm transmission. Includes a customer-replaceable 3V battery. White color. UL approved.

ACC624 Holster

Leather holster for FA204. Includes heavy-duty metal clip for attaching to belt. Black color.

Stretch Your Budget With The InTouch Pak

Inovonics Wireless is pleased to offer package deals on our most popular product combinations. Available in two styles, the FA2603R, which includes a four-transmitter receiver with relays and a single-button white pendant transmitter; and the FA2605R, which includes a four-transmitter receiver with relays and a black double-button belt clip transmitter. These are available at a special price when you buy the Pak.



Model	Weight	Dimensions	Power	Battery Replacement ¹	Battery Life (avg.) ²
FA203S	1.7 oz.	3 x 1.6 x 0.72"	3.0V lithium	BAT608	3-5 years
FA203D	1.7 oz.	3 x 1.6 x 0.72"	3.0V lithium	BAT608	3-5 years
FA205S	2.1 oz.	3 x 1.6 x 1"	3.0V lithium	BAT608	3-5 years
FA205D	2.1 oz.	3 x 1.6 x 1"	3.0V lithium	BAT608	3-5 years
FA214	1.7 oz.	3 x 1.6 x 0.72"	3.0V lithium	BAT608	5-8 years (unsupervised)
FA223S	1.4 oz.	2.2 x 1.9 x 0.72"	3.0V lithium	BAT609	1-2 years
FA223D	1.4 oz.	2.2 x 1.9 x 0.72"	3.0V lithium	BAT609	1-2 years

1) Not all brands are equivalent. Please use only the Inovonics Wireless battery specified.

2) Unless otherwise noted, typical battery life shown is for supervised operation using recommended check-in times.

Operating Environment: 32 to 140° F (0 to 60° C), up to 90% relative humidity (non-condensing)

receivers



When it comes to receivers, no other manufacturer offers more configuration options than Inovonics Wireless. Choose from single-, four-, 16-, or 64-transmitter receivers, optional Form C relays or optional seven-segment display to meet your customers' toughest requirements. No matter which you choose, each receiver features Inovonics Wireless Frequency Agile technology and is designed to minimize "nulls" or dead spots. In addition, our proprietary signal processing provides superior performance in noisy or harsh environments.

FA400 Remote Receiver

This powerful remote receiver interfaces with the Inovonics Wireless Vision Plus panel and various partner products providing a seamless addition of wireless devices to any partner product. Two receivers may be used when the installation requires extended range or the use of repeaters will accomplish similar results.

FA401 Single-Transmitter Receiver

Our value-priced single-transmitter receiver programs and supervises a

single Inovonics Wireless FA transmitter. Receiver connects to any panel that supports a common ground. Includes two outputs: One for alarm, one for fault. Perfect for adding a single panic button or pendant to a hardwire installation.

FA401R Single-Transmitter Receiver with Relays

Same as the FA401, but also includes Form C relays for each output to allow connection to any hardwire panel or to trigger sirens or annunciators for stand-alone wireless solutions. A fast and

effective way to add a single panic button or pendant to any installation.

FA404 Four-Transmitter Receiver

This four-transmitter receiver has two outputs: One for alarm, one for fault. Perfect for installations requiring up to four fully supervised wireless transmitters.

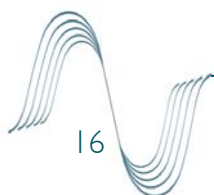
FA404R Four-Transmitter Receiver with Relays

Same as the FA404, but also includes Form C relays for each output to allow connection to any hardwire panel or to annunciators for stand-alone wireless solutions. A fast and effective way to add up to four fully supervised 900 MHz transmitters to any installation.

Model	Weight	Dimensions	Outputs	Transmitters Supported	Power	Maximum Current Consumption
FA400	7.5 oz.	6.5 x 3.5 x 1"	High-speed serial	Dependent on panel	11-14 VDC	40 mA
FA401	7.5 oz.	6.5 x 3.5 x 1"	2 ¹	1	11-14 VDC	60 mA
FA401R	8.3 oz.	6.5 x 3.5 x 1"	2 ¹	1	11-14 VDC	140 mA
FA404	7.5 oz.	6.5 x 3.5 x 1"	2 ¹	4	11-14 VDC	60 mA
FA404R	8.3 oz.	6.5 x 3.5 x 1"	2 ¹	4	11-14 VDC	140 mA

1) One output dedicated to fault and can not be used as an alarm output.

NOTE: FA210W transmitters are not compatible with the FA401R or FA404R receivers.



receivers



Quality design and improved features make it easier than ever to install wireless add-on products. FA416 receivers feature case tamper, improved styling, increased visibility to alarm and trouble LEDs, better wiring options, and flexible programming. All FA416s support both signal level and signal margin monitoring with the FAI16 programmer, which is recommended for full functionality of the receiver. Inovonic Wireless FA416 receiver family allows you to add up to 16-fully supervised, 900 MHz Frequency Agile transmitters to any site.

FA416 Four-Output/ 16-Transmitter Receiver

Includes four outputs for alarm or specific trouble conditions and one additional global trouble output. Program up to four transmitters with default settings or 16 transmitters with the FAI16 programmer. Convenient knock-out allows wiring through back of case, and snap-on/pry-off cover allows for easy installation. Programmer receptacle and reset button are in front for easy access.

FA416R Four-Output/ 16-Transmitter Receiver with Relays

Same as the FA416 but includes mechanical Form C relays for connecting to any panel or for stand-alone wireless applications.

FA416D Four-Output/ 16-Transmitter Receiver with Display

Same as the FA416 but includes two-digit LED display to show status of all 16 transmitters. It displays fault and alarm information so the exact fault or alarm can be determined at a glance, even by your customer. Information stored in these "smart" receivers includes 16-factory defaulted transmitter types.

FA416DR Four-Output/ 16-Transmitter Receiver with Display and Relays

Combines the features of both the FA416R and FA416D.

New Latching Display Upgrade

Now, with a simple micro upgrade, you can store alarm memory on the display of the FA416D without latching the outputs of the receiver. The display is cleared when the receiver reset is pressed. Order MPU416LD, programming remains intact.

FA464DR 16-Output/ 64-Transmitter Receiver

Inovonic Wireless' most powerful slave receiver allows 64-fully supervised transmitters to be added to any installation. Each of the 16-programmable outputs provides a Form C relay for

flexibility and ease of installation. In addition, the two-digit display and LEDs for each output display the status of all points and outputs quickly and efficiently. It also supports MPU416LD. UL approved.



FA464DR



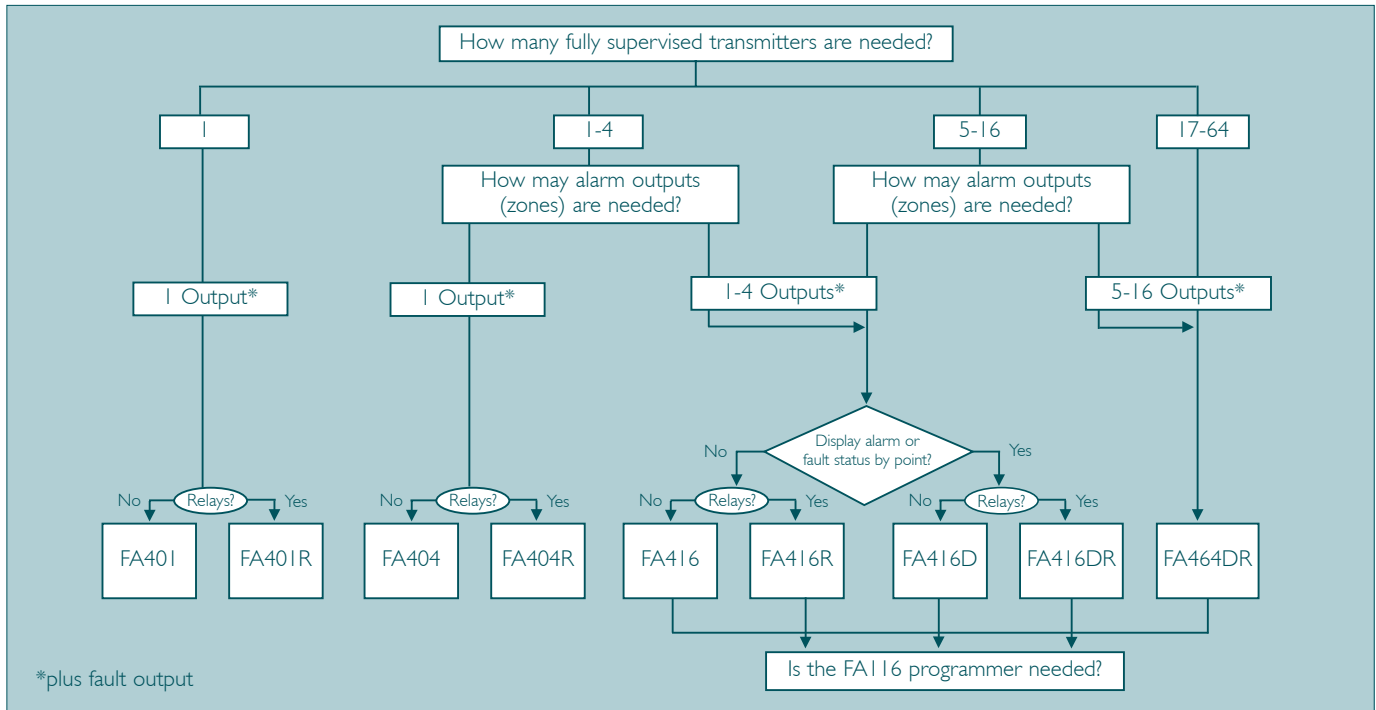
Model	Weight	Dimensions	Outputs	Transmitters Supported	Power	Maximum Current Consumption
FA416	8.8 oz.	6.5 x 3.5 x 1"	5 ²	16 ¹	11-14VDC	60 mA
FA416R	10.8 oz.	6.5 x 3.5 x 1"	5 ²	16 ¹	11-14VDC	260 mA
FA416D	9.4 oz.	6.5 x 3.5 x 1"	5 ²	16	11-14VDC	95 mA
FA416DR	11.4 oz.	6.5 x 3.5 x 1"	5 ²	16	11-14VDC	295 mA
FA464DR	34 oz.	11 x 8.5 x 1.75"	17 ²	64	12-17VDC	980 mA

1) FAI16 Programmer required to program points five through 16.

2) One output dedicated to fault and can not be used as an alarm output.

selecting a slave receiver

Step One: Determine the Appropriate Receiver for Your Application



Step Two: Do I Need a Programmer?

Table A: Transmitters Supported

Receiver	Default Settings	
	N/O	N/C
FA416	2	2
FA416R	2	2
FA416D	6	10
FA416DR	6	10
FA464DR	30	34

Table B: Transmitter Switches by Type

Description	Switch Type
FA210, FA250 Universal	N/O or N/C
FA210M	N/O (no EOL)
FA210W Door/Window	N/O or N/C + (Internal Contact)
FA202	N/C
FA203S/D Panic	N/O
FA205S/D Panic	N/O
FA206B/DS//S PIR	N/C
FA207 Glassbreak	N/O
FA209 Billtrap	N/O
FA214 Remote	N/O
FA216H/L Temperature	N/O
FA223S/D Pendant	N/O

1) Not compatible with FA401 or FA404 receivers.

An FA116 programmer will be required for FA416 and FA464DR installations assuming any of the following are true:

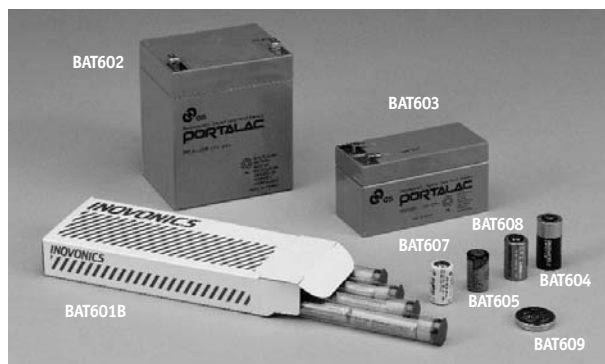
- You need to survey the site for signal strength and/or installation of an FA575 repeater:
- You're installing an FA210W wide-gap transmitter or end-of-line resistor:
- You're installing an FA214 four-button transmitter or FA212 four-button transmitter:
- You need to customize zones or change default programming. Each FA416 and FA464DR receiver is factory programmed to support a specific number of normally open (N/O) and normally closed (N/C) transmitters (see Table A). Changing default settings will allow you to alter the ratio of N/O to N/C transmitters supported by each receiver. To determine transmitter switch type, changing transmitter check-in times and supervision window for custom applications, refer to Table B.
- You need to assign trouble conditions to specific zones.



FA116 Executive Programmer

With the FA116 executive programmer you can diagnose receivers and determine signal margin and signal level for all points. By following simple menu prompts, you can easily "zone" receiver outputs for alarm assignment, low battery, tamper, and/or point missing information for each individual installation. In point status mode, the signal level and signal margin of each transmitter can be monitored, to help ensure successful operation after you leave the site. It's the only programmer you need for all FA416 series and FA464DR Frequency Agile® slave receivers.

batteries



BAT601B 4.5V Batteries

Package of four BAT601 batteries used in both FA200(W) and C200(W) transmitters.

BAT602 4Ah - 12V Battery

Backup battery for the C2020 and CP2130 control panels.

BAT603 1.2Ah - 12V Battery

Backup battery for the FA525 and FA575 repeaters (optional).

BAT604 3.0V Battery

Duracell DLI 23A lithium battery (1.4Ah rated) used in FA100, FA130, FA202, FA206I, FA206S, FA206DS, FA207, FA210, FA216, and FA250. Available from Inovonics Wireless, most distributors, and from many retail outlets.

BAT605 3.6V Battery

Tadiran TL2150 lithium (0.8Ah rated) used only in the FA206. Available from Inovonics Wireless and other wholesale suppliers.

BAT606 3.0V Battery

Lithium battery (1.4Ah rated) with leads spot welded to posts. For FA100s shipped before January 1997 and FA102.

BAT607 3.0V Battery

Customized lithium battery (0.8Ah rated) used in FA204. Due to differences in metallurgy and electrical characteristics, it is the only battery available for the FA204 pendant.

BAT608 3.0V Battery

CR2 lithium battery (0.8Ah rated) for FA203, FA205, FA113, FA212, FA214, and ACC631.

BAT609 3.0V Battery

Renata CR2450N lithium coin cell battery (0.5Ah rated) for FA209, FA223S, and FA223D.

Part #	Using Battery	Chemistry	Voltage	Rated Capacity	Manufacturer ¹	Mfg Part #
BAT601	C200(W), FA200(W)	Alkaline	4.5 volts	1.0 amp-hr	Inovonics Wireless ²	
BAT602	C2020, CP2130	Lead acid "gel cell"	12 volts	4.0 amp-hr	Various	Various
BAT603	FA525, FA575	Lead acid "gel cell"	12 volts	1.2 amp-hr	Various	Various
BAT604	FA100 ³ , FA130, FA202, FA206B, FA206I, FA206S, FA206C, FA206DS, FA207, FA210(W), FA216, FA250, ACC630	Lithium, Manganese Dioxide	3.0 volts	1.4 amp-hr	Duracell, Panasonic	DLI23A, CRI23A
BAT605	FA206, C206	Lithium, Thynol-Chloride	3.6 volts	0.8 amp-hr	Tadiran	TL2150
BAT606	FA100 ³ , FA102	Lithium, Manganese Dioxide	3.0 volts	1.4 amp-hr	Duracell ⁴	DLI23A ⁴
BAT607	FA204	Lithium, Manganese Dioxide	3.0 volts	0.8 amp-hr	Sanyo	Inovonics Wireless ⁵
BAT608	FA203(D&S), FA205(D&S), FA113, FA212, FA214, ACC631	Lithium, Manganese Dioxide	3.0 volts	0.8 amp-hr	Sanyo, Panasonic	CR2
BAT609	FA209, FA223S, FA223D	Lithium, Manganese Dioxide	3.0 volts	0.5 amp-hr	Renata, Sanyo	CR2450N, CR2450

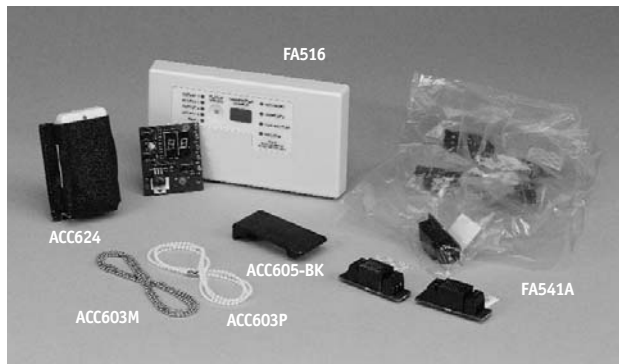
1) Not all brands are equivalent! Impedance varies considerably in lithium batteries. Please use only the lithium batteries specified.

2) Produced specifically for Inovonics Wireless, the BAT601 is three standard AAA batteries spot-welded together and encased in plastic.

3) In early 1997, the battery in the FA100 was converted from the BAT606 to the BAT604.

4) Inovonics Wireless has leads soldered to the DLI23A to create our BAT606.

5) Due to differences in metallurgy and electrical characteristics, the only battery recommended for the FA204 pendant is the BAT607 battery supplied and labeled by Inovonics Wireless.



**ACC603M Metal Chain
Necklace for FA203 Pendant**

**ACC603P Plastic Neckcord
for FA203 Pendant**

**ACC605-BK Belt Clip for
FA205 Transmitter**

Includes two screws for connecting to FA205 transmitter.

**ACC610 14VAC/20VA
Transformer**

Replacement for the C2020, CP2130, and FA575. Note that a transformer is provided with the C2020, CP2130, and the FA575.

C617 Control Board

C2020 - board replacement. No housing.

ACC620 Programming Cable

For connecting transmitter to programming device and programming transmitters. A programming cable is provided with every programming device.

ACC623L&S Wristband

Converts the FA223S and FA223D to a wristband-style transmitter that can be worn like a watch. This durable nylon wristband is ideal for personal panic applications where the transmitter needs to be within easy reach.

ACC624 Holster

Leather holster for the FA204 pendant. Includes heavy-duty metal clip for attaching to a belt. Black color.

**ACC625 Wireless
Holdup Switch**

Simple, yet extremely reliable wireless pull switch for holdup applications. Simply connect to a FA200, FA210, or FA250 universal transmitter. Be sure to supervise connecting wire with EOL resistor for true security.

**ACC630 Transfer
Programmer**

A time saver that enables you to reprogram any transmitter at an installation without moving it. Start button and LEDs guide you through the steps.

**ACC631 Continuous Alarm
Trigger Module**

Great tool for site surveys and demonstrations. Connected to a universal transmitter, the ACC631 automatically creates alarm and restoral conditions every 8 seconds, causing the transmitter to send a near-continuous stream of signals. Included with the FA715 Wireless Survey Kit.

**ACC640 Outdoor
Plastic Enclosure**

This general purpose all-weather enclosure that measures 7" x 7" x 3".

ACC660 Assorted Lens Pack

Package of five assorted lens types for the FA206S Sharpshooter PIR. Each package contains Standard, Pet Alley, Extra Wide Angle, Long Range, and Curtain.

**ACC661 Pet Alley
Lens Pack**

Package of five Pet Alley lenses for the FA206S Sharpshooter PIR.

**ACC663 Ceiling mount for
PIR**

Convert the FA206S Sharpshooter PIR into a wireless ceiling mount PIR with this easy to use bracket.

ACC671 Long Range Mirror

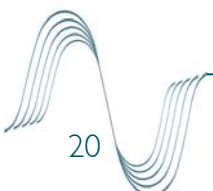
Provides 120 ft. range for the FA206DS PIR.

**FA516 LED Display
with Cover**

LED display provides two-digit display and plugs on to the header on the FA416 receiver; converting an FA416 or FA416R into an FA416D or FA416DR, respectively.

FA541 Individual Relay

Individual Form C relay module for use with any FA receiver. Includes terminal block for easy installation. The FA541B package of eight individual FA541 relays is a must for every tool box.



specifications

Receiver Specifications

Model	Weight	Dimensions	Outputs	Transmitters Supported	Power ¹	Maximum Current Consumption
FA400	7.5 oz.	6.5 x 3.5 x 1"	HIGH-SPEED SERIAL	DEPENDENT ON PANEL	11-14VDC	40 mA
FA401	7.5 oz.	6.5 x 3.5 x 1"	1	1	11-14VDC	60 mA
FA401R	8.3 oz.	6.5 x 3.5 x 1"	1	1	11-14VDC	140 mA
FA404	7.5 oz.	6.5 x 3.5 x 1"	1	4	11-14VDC	60 mA
FA404R	8.3 oz.	6.5 x 3.5 x 1"	1	4	11-14VDC	140 mA
FA416	8.8 oz.	6.5 x 3.5 x 1"	4	16 ⁷	11-14VDC	60 mA
FA416D	9.4 oz.	6.5 x 3.5 x 1"	4	16	11-14VDC	95 mA
FA416R	10.8 oz.	6.5 x 3.5 x 1"	4	16 ⁷	11-14VDC	260 mA
FA416DR	11.4 oz.	6.5 x 3.5 x 1"	4	16	11-14VDC	295 mA
FA464DR	34 oz.	11 x 8.5 x 1.75"	16	64	12-17VDC	980 mA
FA422	5.3 oz.	6.5 x 3.5 x 1"	SERIAL	16	11-14VDC	60 mA

Arming Devices

Model	Dimensions	Power ¹	Battery Replacement ²	Typical Battery Life ²
FA100	5.6 x 1.8 x 0.8"	3.0V LITHIUM	BAT604 ³	8 YEARS (UNSUPERVISED)
FA130	8.25 x 4.5 x 1.125"	3.0V LITHIUM	BAT604	3-4 YEARS (UNSUPERVISED)
KPI03	8.25 x 4.5 x 1.125"	FROM PANEL	N/A	N/A
KPI03S	8.25 x 4.5 x 1.125"	FROM PANEL	N/A	N/A
FA113	1.6 x 3 x 0.75"	3.0V LITHIUM	BAT608	8 YEARS (UNSUPERVISED)

Transmitter Specifications

Model	Dimensions	Power ¹	Battery Replacement ²	Typical Battery Life ²
FA202	5.5 DIAMETER x 2.63"	3.0V LITHIUM	BAT604	3-5 YEARS
FA203D	3 x 1.6 x 0.72"	3.0V LITHIUM	BAT608 ⁵	3-5 YEARS
FA203S	3 x 1.6 x 0.72"	3.0V LITHIUM	BAT608 ⁵	3-5 YEARS
FA205D	3 x 1.6 x 1"	3.0V LITHIUM	BAT608 ⁵	3-5 YEARS
FA205S	3 x 1.6 x 1"	3.0V LITHIUM	BAT608 ⁵	3-5 YEARS
FA206B	4.5 x 2.5 x 1.6"	3.0V LITHIUM	BAT604 ⁶	2 YEARS
FA206I	5.55 x 2.7 x 2.2"	3.0V LITHIUM	BAT604 ⁶	2 YEARS
FA206S	3.75 x 3 x 2.5"	3.0V LITHIUM	BAT604 ⁶	2 YEARS
FA206DS	5.75 x 3.75 x 2.5"	3.0V LITHIUM	BAT604 ⁶	2 YEARS
FA206C	5.2 x 2.5"	3.0V LITHIUM	BAT604 ⁶	2 YEARS
FA207	3.1 x 4.75 x 2.75"	3.0V LITHIUM	BAT604 ⁵	3 YEARS
FA209	2.6 x 6.1 x 0.52"	3.0V LITHIUM	BAT609 ⁵	1-2 YEARS
FA210	3.5 x 1.7 x 0.9"	3.0V LITHIUM	BAT604 ⁵	4-5 YEARS
FA210M	3.5 x 1.7 x 0.9"	3.0V LITHIUM	BAT604 ⁵	4-5 YEARS
FA210W	3.5 x 1.7 x 0.9"	3.0V LITHIUM	BAT604 ⁵	4-5 YEARS
FA214	3 x 1.6 x 0.72"	3.0V LITHIUM	BAT608 ⁵	5-8 YEARS (UNSUPERVISED)
FA216	3.5 x 1.7 x 0.9"	3.0V LITHIUM	BAT604 ⁵	4 YEARS
FA223D	2.2 x 1.9 x 0.72"	3.0V LITHIUM	BAT609	1-2 YEARS
FA223S	2.2 x 1.9 x 0.72"	3.0V LITHIUM	BAT609	1-2 YEARS
FA250	6 x 1.25 x 0.75"	3.0V LITHIUM	BAT604 ⁵	1 YEAR
FA575	7 x 7 x 3"	14 VAC/20VA TRANSFORMER INCLUDED	(BAT603) BACK-UP BATTERY	N/A

IMPORTANT NOTES:

- One battery is included with all transmitters, except the FA202, and FA209, which are provided with two batteries.
- Inovonics Wireless recommends that all transmitters be programmed for supervision. Unless otherwise noted typical battery lives shown are for supervised operation using the recommended check-in times (typically 1 minute to 5 minutes). Please realize that battery vendors do NOT warranty the life of their batteries, hence, Inovonics Wireless warranty specifically excludes batteries and battery life is not guaranteed.
- In early 1997, the battery in the FA100 was converted from the BAT606 to a BAT604.
- The Duracell MN1604 alkaline battery is the only acceptable battery for use in the ESL 361 smoke detector.
- The construction and impedance of lithium batteries varies by manufacturer. Inovonics Wireless strongly recommends that only the manufacturer model numbers listed in the Battery Cross-Listing Table be used with Inovonics Wireless transmitters.
- The battery life of a PIR/Transmitter is highly dependent on "traffic" in its coverage area. PIRs installed in reception areas and similar areas may experience reduced battery life.
- Must use FA116 Programmer to program more than four transmitters.

Operating Environment: 32 to 140° F (0 to 60° C), up to 90% relative humidity (non-condensing)

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.

warranty & disclaimer

Inovonics Wireless Corporation ("Inovonics Wireless") warrants its products ("product" or "products") to conform to its own specifications and to be free of defects in materials and workmanship under normal use for a period of twenty-four (24) months from the date of manufacture. Within the warranty period, Inovonics Wireless will repair or replace, at its option, all or any part of the warranted product. Inovonics Wireless will not be responsible for dismantling and/or reinstallation charges. To exercise the warranty, the User ("User," "Installer" or "Consumer") must be given a Return Material Authorization ("RMA") number by Inovonics Wireless. Details of shipment will be arranged at that time.

This warranty does not apply in cases of improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, accident or tampering, or repair by anyone other than Inovonics Wireless.

This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, expressed or implied, including any warranty of merchantability or fitness for a particular purpose. Inovonics Wireless will not be liable for any consequential or incidental damages for breach of this warranty or any other warranties.

This warranty will not be modified, varied or extended. Inovonics Wireless does not authorize any person to act on its behalf to modify, vary, or extend this warranty. This warranty will apply to Inovonics Wireless products only. All other products, accessories or attachments used in conjunction with Inovonics Wireless equipment, including batteries, will be covered solely by their own warranty, if any. Inovonics Wireless will not be liable for any direct, incidental or consequential damage or loss whatsoever, caused by the malfunction of its product due to products, accessories, or attachments of other manufacturers, including batteries, used in conjunction with Inovonics Wireless products.

This warranty does not warrant the replacement of batteries that are used to power Inovonics Wireless products.

The user recognizes that a properly installed and maintained security alarm system may only reduce the risk of events such as burglary, robbery, personal injury, and fire. It does not ensure or guarantee that there will be no death, personal damage and/or damage to property as a result.

Inovonics Wireless does not claim that the product may not be compromised and/or circumvented, or that the product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire or otherwise, or that the product will in all cases provide adequate warning or protection. Inovonics Wireless shall have no liability for any death, injury, or damage, however incurred, based on a claim that Inovonics Wireless products failed to function.

However, if Inovonics Wireless is held liable, directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, Inovonics Wireless' maximum liability will not in any case exceed the purchase price of the product, which will be fixed as liquidated damages and not as a penalty, and will be the complete and exclusive remedy against Inovonics Wireless.

Warning: The user should follow all installation, operation and maintenance instructions. The user is strongly advised to conduct product and systems tests at least once each week. Changes in environmental conditions, electric or electronic disruptions, and tampering, may cause the product to not perform as expected.

Warning: Inovonics Wireless warrants its product to the user. The user is responsible for exercising all due prudence and taking necessary precautions for the safety and protection of lives and property wherever Inovonics Wireless products are installed. Inovonics Wireless strongly advises the user to program products to be supervised whenever used in applications affecting life safety. Users are warned that unsupervised devices are subject to undetected failure due to malfunction, battery failure, tampering, or changes in environment.

Return policy

Customers desiring to return products to Inovonics Wireless for credit are required to obtain prior company approval. Products accepted for return will be subject to a restocking fee of up to 25% and factory acceptance of undamaged goods. No credit will be issued for damaged products. No returns permitted after 30 days. All freight charges relative to returned product, outgoing and incoming, will be billed to the customer.



literature request form

Please fill in the following and fax completed form to 303.939.8977

Name _____

Title _____

Company _____

Address _____

City _____

State _____

Zip _____

Tel. _____

Fax _____

E-mail _____

Description	Qty.	Description	Qty.
Catalog & Price List		Product Data Sheets	
Inovonics Wireless Product Catalog	___	FA400 Receiver for Bosch Panel	___
Current Price List	___	FA401/FA404 Receiver	___
		FA416 Receiver	___
Flyers		FA422 Receiver for Bosch Panel	___
“Discover 3 Reasons Why Inovonics Wireless”	___	FA464DR Receiver	___
“Top Ten Technical Questions”	___	FA209 Wireless Billtrap	___
		FA202 Smoke Detector	___
Brochures		FA575 High Power Repeater	___
Making Schools Safe*	___	Selecting a Slave Receiver	___
Keeping Employees Safe*	___	Pendant Family	___
Government Safety*	___	PIR's and Motion Sensors	___
		Universal Door/Window Transmitters	___
		Wireless Guardian	___
		Wireless Survey Kit	___
		Full Technical Binder (\$20.95)	___
		Includes manuals, cut sheets and technical presentation.	
		A must have!	

* Fees may be assessed for large quantities



In a rush? Log on to www.inovonicswireless.com to download marketing information including data sheets, brochures, and catalogs.





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