FA212

Frequency Agile® **900MHz**
2-Button / 2-Function Transmitter
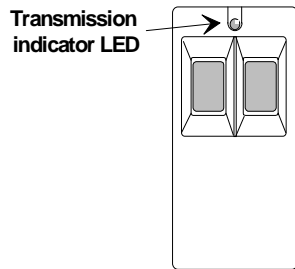
Installation Instructions
02608C

Important Notes

⚠ These products are designed to be installed and maintained by professional security technicians.

⚠ Products, unless specifically noted, are intended for indoor use.

⚠ Manually test all products regularly.

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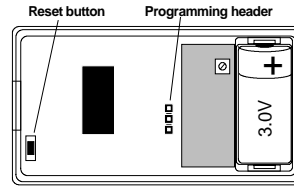
Transmission indicator LED

FA212

Operation

The FA212 will act as 2 separate transmitters. Pressing either button by itself will cause the transmitter to activate the point ID assigned (Base ID). Pressing both buttons simultaneously activates the Base ID + 1.

Activation signals are transmitted multiple times, and are indicated by the blinking transmission indicator LED. Messages will be interrupted if one type is being sent and the other type is activated. E.g., if one button is pressed the transmitter will send the Base ID. If both buttons are then pressed simultaneously while the red LED is still blinking, the transmitter will stop sending the Base ID and start sending the Base ID + 1.

Note: **The FA212 does not send restoral signals**; i.e., it only transmits activations. The receiver should, therefore, be programmed for momentary outputs.

Reset button   **Programming header**

Suggested check-in interval:	60 seconds*
Contact loop:	Normally Open
Typical battery life:	3 to 5 years
Battery:	3.0V lithium (BAT608)

Programming the FA212 to FA416 or FA464 Receivers

1. Using an FA116 or FA104 programmer, program outputs to be Momentary. Set momentary value between 7 and 16 seconds.
2. Points assigned to the FA212 must be sequential: 1-2, 4-5, etc.
3. Program the first point using the following criteria:

    External Contact= Normally Open
    Use EOL   = No
    Internal Contact= No
    Check-in Time= 60 seconds recommended
    Output to Use= As desired.

4. Connect the FA212 to the programming wire on the FA116.
5. While connected, press the reset button on the FA212. The programmer will "ping" and the display will acknowledge that the point was programmed successfully.
6. Disconnect the programming cable from the FA212.
7. Program and activate the next sequential point using the following criteria:

    External Contact= Normally Open
    Use EOL   = No
    Internal Contact= No
    Check-in Time= **None**
    Output to Use= As desired

8. Press "A" to activate this second point ID. DO NOT PLUG THE TRANSMITTER IN A SECOND TIME!
9. Test the transmitter by activating it in both modes.

Attention: Inovonics recommends that the FA212 be programmed as a supervised device if used for life safety applications.

Optional Mounting

If desired, the FA212 can be screw-mounted to a fixed surface. Drill through-holes (.200" max diameter) in the back housing cover in locations shown below. Wood screws used to mount the transmitter should be size #8 or smaller. Screw head height must be less than .150". Larger screw heads may cause short-circuits on the unit

Warranty & Disclaimer

Inovonics Wireless Corporation ("Inovonics") 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 will repair or replace, at its option, all or any part of the warrantied product. Inovonics 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. 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, and repair by anyone other than Inovonics.

This warranty is exclusive and expressly in lieu of all other warranties, obligations or liabilities, whether written, oral, express, or implied, including any warranty of merchantability or fitness for a particular purpose. Inovonics will not be liable to anyone 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 does not authorize any person to act on its behalf to modify, vary or extend this warranty. This warranty will apply to Inovonics Products only. All other products, accessories or attachments used in conjunction with Inovonics equipment, including batteries, will be covered solely by their own warranty, if any. Inovonics will not be liable for any direct, incidental or consequential damage or loss whatsoever, caused by the malfunction of Product due to products, accessories, or attachments of other manufacturers, including batteries, used in conjunction with Inovonics Products.

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

The User recognizes that a properly installed and maintained security system may only reduce the risk of events such as burglary, robbery, personal injury and fire. It does not insure or guarantee that there will be no death, personal damage and/or damage to property as a result. **Inovonics 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 shall have no liability for any death, injury or damage, however incurred, based on a claim that Inovonics Products failed to function. However, if Inovonics is held liable, directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, Inovonics' 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.

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 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 Products are installed. Inovonics 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.