INOVONICS EN1215EOL

Inovonics EN1215EOL Universal Door/Window Transmitter with Wall Tamper User Manual

1. Product Overview

The Inovonics EN1215EOL is a single input universal transmitter designed for integration with security systems. It is compatible with almost any standard contact or sensor, making it versatile for various applications such as monitoring doors and windows. A key feature is its integrated wall tamper switch, which provides an alert if the transmitter is removed from its mounted surface. The device also requires a 2.2K ohm End-of-Line (EOL) resistor for proper operation, which is included with the unit. This transmitter is fully supervised, ensuring continuous communication and system integrity.

Figure 1: Inovonics EN1215EOL Universal Door/Window Transmitter. This image shows the compact design of the transmitter, typically used for securing entry points.

2. Setup and Installation

Proper installation of the EN1215EOL transmitter is crucial for optimal performance and security. Follow these general guidelines:

1. **Prepare the Sensor:** Connect your standard contact or sensor to the transmitter's input terminals. Ensure the connections are secure.
2. **Install EOL Resistor:** The included 2.2K ohm End-of-Line (EOL) resistor must be installed across the input terminals of the transmitter. This resistor is essential for the transmitter's operation and supervision. Refer to your security system's documentation for specific wiring diagrams if necessary.
3. **Mounting Location:** Choose a suitable mounting location on a door frame, window frame, or other surface where the sensor will effectively monitor the desired opening. Ensure the location allows for clear wireless communication with your security system's receiver.
4. **Secure Mounting:** Mount the transmitter securely using appropriate screws or adhesive. The wall tamper switch is designed to activate if the unit is removed from its mounted surface, so ensure it is properly compressed when installed.

5. **System Enrollment:** Enroll the transmitter into your security system according to your system's specific instructions. This typically involves putting the system into programming mode and activating the transmitter (e.g., by opening/closing the connected sensor or triggering the tamper switch).
6. **Test Functionality:** After installation and enrollment, thoroughly test the transmitter by activating the connected sensor (e.g., opening the door/window) and verifying that the security system receives the signal. Also, test the wall tamper by carefully dismounting the unit to ensure an alarm is triggered.

3. Operating Instructions

The Inovonics EN1215EOL transmitter operates by monitoring the state of its connected contact or sensor and wirelessly transmitting this information to a compatible security receiver. It is a supervised device, meaning it periodically sends check-in signals to the receiver to confirm its presence and operational status.

- **Sensor Activation:** When the connected door or window sensor changes state (e.g., from closed to open), the transmitter immediately sends a signal to the security system.
- **Wall Tamper:** If the transmitter unit is forcibly removed from its mounted surface, the internal wall tamper switch will activate, sending an immediate tamper alarm signal to the security system.
- **Supervision:** The transmitter regularly communicates with the security system to confirm its operational status. If the system does not receive a check-in signal within a programmed timeframe, it will typically indicate a 'supervision loss' or 'fault' for that zone.

No direct user interaction is typically required for the daily operation of the transmitter once it is properly installed and enrolled. Its function is automatic based on the state of the connected sensor.

4. Maintenance

The Inovonics EN1215EOL transmitter is designed for low maintenance. As per specifications, it does not require user-replaceable batteries. Maintenance primarily involves ensuring its physical integrity and connectivity.

- **Regular Inspection:** Periodically inspect the transmitter and its connected sensor for any signs of physical damage, loose wiring, or obstruction.
- **Cleaning:** If necessary, gently clean the exterior of the transmitter with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Test Functionality:** It is recommended to periodically test the transmitter's functionality by activating the connected sensor and verifying the signal reception at the security system.
- **EOL Resistor Check:** Ensure the 2.2K ohm EOL resistor remains securely connected. Damage to this resistor can impair the transmitter's operation.

5. Troubleshooting

If you encounter issues with your Inovonics EN1215EOL transmitter, consider the following troubleshooting steps:

- **No Signal from Sensor:**
  - Verify the connected sensor is functioning correctly.
  - Check the wiring between the sensor and the transmitter for loose or damaged connections.
  - Ensure the 2.2K ohm EOL resistor is properly installed and intact.

- **Tamper Alarm Triggered:**
  - Ensure the transmitter is securely mounted to its surface, fully compressing the wall tamper switch.
  - Inspect the mounting surface for any irregularities that might prevent proper tamper switch engagement.
- **Supervision Loss/Fault:**
  - Check the distance between the transmitter and the security system receiver. Excessive distance or interference can cause communication issues.
  - Ensure there are no new sources of radio frequency (RF) interference near the transmitter or receiver.
  - Verify the transmitter is still powered (if applicable, though this model is specified as not requiring batteries, it relies on the connected system for power).
  - Re-enroll the transmitter with the security system if communication cannot be re-established.
- **System Not Responding:** If the security system is not responding to any signals from the transmitter, consult your security system's user manual or contact your security system installer for further assistance.

6. Specifications

Specification	Detail
Manufacturer	Inovonics Wireless Corporation
Part Number	EN1215EOL
Item Model Number	EN1215EOL
Item Weight	4.8 ounces
Product Dimensions	3 x 4.5 x 1.5 inches
Item Package Quantity	1
Batteries Required?	No
First Available Date	February 18, 2014

7. Warranty and Support

For specific warranty information regarding the Inovonics EN1215EOL Universal Door/Window Transmitter, please refer to the documentation provided with your purchase or visit the official Inovonics website. Warranty terms and conditions may vary.

For technical support, installation assistance, or further inquiries, please contact your authorized Inovonics dealer or the security system installer who provided the device. They are best equipped to offer product-specific support and service.