

iEi Electronics / Linear 212I

IEI 212i Indoor Flush-mount Keypad User Manual

Model: 212I | Brand: iEi Electronics / Linear

PRODUCT OVERVIEW

The IEI 212i is an indoor flush-mount keypad designed for access control applications. It features a backlit keypad for visibility in low-light conditions, providing a reliable and secure entry solution. This manual provides detailed instructions for the installation, operation, and maintenance of your 212i keypad.



Figure 1: The IEI 212i Indoor Flush-mount Keypad, featuring a brushed metal faceplate, a black numeric keypad with white numbers, and three indicator LEDs (green, yellow, red) at the top. The keypad is designed for seamless integration into indoor environments.

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your IEI 212i keypad. This section outlines the steps for mounting and wiring the device.

Mounting

1. **Choose Location:** Select an indoor location that is protected from direct weather exposure and extreme temperatures. Ensure the mounting surface is flat and stable.

2. **Prepare Opening:** For flush-mount installation, create an opening in the wall according to the dimensions provided in the specifications section. Ensure sufficient space for wiring behind the keypad.
3. **Secure Keypad:** Insert the keypad into the prepared opening. Use the provided mounting screws to secure the keypad firmly to the wall. Do not overtighten.

Wiring

Before wiring, ensure all power to the access control system is disconnected. Refer to your access control system's manual for specific wiring diagrams if integrating with an existing system.

- **Power Connection:** Connect the power supply wires to the designated terminals on the keypad. Observe correct polarity (positive to positive, negative to negative). The keypad operates on low voltage DC power.
- **Data/Output Connections:** Connect the data and output wires from the keypad to your access control panel or door strike mechanism. The keypad typically provides Wiegand output or relay contacts for door control.
- **Grounding:** Ensure proper grounding to prevent electrical interference and ensure safe operation.
- **Verify Connections:** Double-check all wiring connections for tightness and correctness before restoring power.

OPERATING INSTRUCTIONS

The IEI 212i keypad is designed for straightforward operation. This section covers basic usage and programming.

Basic Operation

- **Entering a Code:** To gain access, enter your valid access code using the numeric keypad. The backlit keys illuminate for easy visibility.
- **Confirmation:** Upon successful code entry, the green LED will typically illuminate, and the door strike or gate will activate. An incorrect code may result in the red LED illuminating or no response.
- **Backlight:** The keypad features a backlight for improved visibility in low-light conditions. This feature is always active when the keypad is powered.

Programming

The IEI 212i keypad is known for its easy programming. Specific programming steps will depend on the exact model and firmware version, as well as integration with an access control panel. Generally, programming involves entering a master code followed by a sequence of commands to add, delete, or modify user codes.

General Programming Steps (Consult specific programming guide for details):

1. **Enter Programming Mode:** Typically achieved by entering a designated master or programming code.
2. **Add User Code:** Follow the sequence to input a new user code and assign it to a user slot.
3. **Delete User Code:** Use the appropriate command to remove an existing user code.
4. **Exit Programming Mode:** Save changes and exit programming mode.

Note: Refer to the detailed programming manual provided with your specific access control system or the IEI 212i for precise programming instructions and advanced features.

MAINTENANCE

The IEI 212i keypad requires minimal maintenance to ensure continued reliable operation.

- **Cleaning:** Periodically wipe the keypad surface with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and electronic components.

- **Inspection:** Regularly inspect the keypad for any signs of physical damage, loose connections, or wear. Address any issues promptly.
- **Environmental Conditions:** Ensure the keypad remains within its specified operating temperature and humidity ranges. As an indoor keypad, protect it from moisture and extreme temperatures.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your IEI 212i keypad.

Problem	Possible Cause	Solution
Keypad is unresponsive.	No power; loose wiring; internal fault.	Check power supply and connections. Ensure power is restored. If problem persists, contact support.
Incorrect code entered, but access denied.	Code not programmed; incorrect code entered; system fault.	Verify the code is correctly programmed. Re-enter the code carefully. Consult your access control system manual.
Backlight not working.	Power issue; internal component failure.	Check power supply. If other functions work, the backlight may have failed. Contact support.
Door does not unlock after correct code.	Wiring issue to door strike/panel; faulty door strike; access control panel issue.	Check wiring between keypad and door strike/panel. Test the door strike independently. Consult access control panel manual.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

SPECIFICATIONS

Detailed technical specifications for the IEI 212i Indoor Flush-mount Keypad.

Feature	Detail
Model Number	212I
Manufacturer	iEi Electronics / Linear
Product Dimensions	7.62 x 5.59 x 7.87 inches
Item Weight	2.4 ounces
Color	White/Black
Style	Modern
Material	Metal
Mounting Type	Flush Mount
Special Features	Backlit Keypad

Feature	Detail
Included Components	Keypad
Country Of Origin	United States
Date First Available	March 4, 2009

WARRANTY INFORMATION

The IEI 212i Indoor Flush-mount Keypad comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, unauthorized modification, or improper installation.

For warranty claims or detailed warranty terms, please retain your proof of purchase and contact the manufacturer or authorized dealer.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or inquiries regarding your IEI 212i keypad, please contact your authorized dealer or the manufacturer, iEi Electronics / Linear. Please have your product model number (212I) and purchase information ready when contacting support.

You may also find additional resources and FAQs on the manufacturer's official website.

