

Urmet 141212

Urmet 141212 ZAMAK Vandal-Resistant Coded Keypad Instruction Manual

Model: 141212

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, programming, operation, and maintenance of the Urmet 141212 ZAMAK Vandal-Resistant Coded Keypad. Please read this manual carefully before installation and use to ensure proper function and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Urmet 141212 is a robust, vandal-resistant coded keypad designed for access control applications. Constructed from ZAMAK, it offers enhanced durability. It features two independent relays, allowing control of two separate access points or functions. The keypad is rated IP65, indicating protection against dust and low-pressure water jets, making it suitable for outdoor use. It also complies with accessibility standards.



Figure 1: Urmet 141212 ZAMAK Vandal-Resistant Coded Keypad. This image shows the front view of the keypad, highlighting its compact design and numeric buttons.



Figure 2: IK10 Vandal Resistance Rating. This image illustrates the IK10 rating, signifying high resistance to external mechanical impacts, ensuring durability in challenging environments.

3. SAFETY INSTRUCTIONS

- Disconnect power before performing any installation or maintenance procedures.
- Installation must be performed by qualified personnel in accordance with local electrical codes and regulations.
- Do not expose the device to extreme temperatures or corrosive substances.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.

- Use only the specified power supply voltage.

4. SETUP AND INSTALLATION

4.1 Mounting

Select a suitable mounting location that is flat, stable, and provides clear visibility and access for users. The keypad can be surface-mounted. Ensure adequate space for wiring connections at the back of the unit.

1. Mark the drilling points on the wall using the keypad as a template.
2. Drill holes and insert appropriate wall plugs if necessary.
3. Secure the keypad to the wall using screws, ensuring it is level and firmly attached.

4.2 Wiring

The Urmet 141212 keypad requires a stable power supply and offers two relay outputs for controlling access devices such as electric strikes, magnetic locks, or gate openers. Refer to the specific wiring diagram provided with your product packaging for detailed connection points.

- **Power Supply:** Connect the appropriate DC power supply (voltage specified in specifications) to the designated power input terminals. Observe polarity.
- **Relay 1 Output:** Connect to the primary access control device (e.g., main door lock). This relay typically provides Normally Open (NO) and Normally Closed (NC) contacts.
- **Relay 2 Output:** Connect to the secondary access control device or auxiliary function (e.g., gate, alarm system). This relay also typically provides NO and NC contacts.
- **Exit Button (Optional):** Connect an external exit button to the designated terminals if required for internal egress.

Note: Always verify wiring against the specific diagram included with your product to prevent damage or malfunction.

5. OPERATING AND PROGRAMMING

The keypad operates using a master code for programming and user codes for access. Detailed programming steps are typically found in a separate programming guide or quick start sheet provided with the product. Below are general steps for common operations.

5.1 Initial Setup and Master Code

1. Upon first power-up, the keypad may require initialization. Follow the instructions to set the initial master code.
2. The master code is used to enter programming mode. Keep it confidential.

5.2 Adding User Codes

1. Enter the master code followed by the programming command for adding a user code.
2. Input the new user code (typically 4-6 digits).
3. Confirm the user code.
4. Assign the user code to Relay 1, Relay 2, or both, as needed.

5.3 Deleting User Codes

1. Enter the master code followed by the programming command for deleting a user code.
2. Input the user code to be deleted.
3. Confirm deletion.

5.4 Accessing with a User Code

To gain access, simply enter a valid user code on the keypad. The corresponding relay will activate for a pre-set duration, allowing entry.

6. MAINTENANCE

- **Cleaning:** Clean the keypad surface periodically with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check for any signs of physical damage, loose connections, or wear.
- **Functionality Test:** Periodically test all programmed user codes and relay functions to ensure proper operation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Keypad does not power on.	No power supply; incorrect wiring; faulty power supply.	Check power connections and power source. Verify wiring polarity. Test power supply.
Keypad does not respond to code entry.	Incorrect code entered; keypad frozen; internal fault.	Ensure correct code is entered. Try power cycling the unit. If issue persists, contact support.
Relay does not activate after valid code.	Incorrect relay wiring; faulty access device; relay programming error.	Check relay wiring to the access device. Test the access device independently. Verify relay programming settings.
Codes cannot be programmed.	Incorrect master code; incorrect programming sequence.	Ensure the correct master code is used. Follow the programming instructions precisely.

8. SPECIFICATIONS

- **Model:** Urmet 141212
- **Material:** ZAMAK
- **Relays:** 2 (independent)
- **Protection Rating:** IP65 (Dust tight and protected against low-pressure water jets from any direction)
- **Vandal Resistance:** IK10
- **Manufacturer:** URMET
- **Date of Listing on Amazon.com.be:** October 11, 2022

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your local Urmet distributor or

visit the official Urmet website. Please have your product model number (141212) and purchase details available when contacting support.