

## Retekess T-AC800

# Retekess T-AC800 Wiegand RFID Access Control Keypad User Manual

Model: T-AC800 | Brand: Retekess

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Retekess T-AC800 Wiegand RFID Access Control Keypad. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

## PRODUCT OVERVIEW

### Features

- Metal shell with backlight function for clear visibility in dark conditions.
- WG26 interface for external card reader integration, allowing use as a card reader.
- Complete programming through the keypad, supporting card, password, and card with password access modes.
- Circuit board encapsulated with epoxy resin for super weather resistance, suitable for outdoor and indoor use.
- RFID transponder technology with tamper detection.
- Connects to an external release button; active and passive lock signal output for enhanced security.
- Large storage capacity supporting 8000 user cards and 1 password.
- Dual-point relay output signal for convenient connection to powered devices.

### Components

The Retekess T-AC800 package typically includes the access control keypad, a wiring harness, an operating manual, and mounting screws.



Figure 1: Package Contents of Retekess T-AC800

The keypad features a touch-sensitive number pad, an LED indicator, an ID card reading area, and a call button, all housed within a durable metal casing with an acrylic panel.



Figure 2: Labeled Diagram of Reteless T-AC800 Keypad

## INSTALLATION

### Wiring Diagram and Setup

Proper wiring is crucial for the functionality of the access control system. The Reteless T-AC800 keypad integrates with a power supply, an electric lock, and an exit button. Refer to the official video for a visual guide on connecting these components.

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Video 1: Official guide on how to program the Reteless T-AC800 access control keypad, including initial setup and wiring overview.

The keypad's LED indicator provides visual feedback on its status. A red light indicates power is on, while a red-green flash signifies it is in a set state.



Figure 3: Connection Power Effect Diagram

## OPERATION

### Programming Mode

To enter programming mode, press the \* key, then enter the programming code (default is **123456**), and finally press the # key. To exit programming mode, press the \* key.

### Adding Users

The Reteless T-AC800 supports adding users via card, password, or a combination of both. The initial opening password is **7890**.

#### Add Card Type Users

To add card users, enter programming mode, then press #, then **1**, followed by the # key. Then, present the RFID cards to the keypad to register them. The user ID is assigned randomly, and automatically increments by 1 for each subsequent card read. Press \* to end programming.

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Video 2: Demonstrates adding card-type users to the access control keypad (01:06 - 01:35 in the full video).

#### Add Password Type Users

To add password users, enter programming mode, then press #, then **2**, followed by the # key. Input a four-digit

user ID, then enter the desired password, and press #. You can add multiple password users continuously by inputting the next user ID and password. Press \* to end programming.

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Video 3: Demonstrates adding password-type users to the access control keypad (01:35 - 02:03 in the full video).

## Add Card + Password Type Users

To add users requiring both a card and a password, enter programming mode, then press#, then **3**, followed by the # key. Input a four-digit user ID, then enter the desired password, and press#. Finally, swipe the card. A beeping sound confirms successful operation. You can add multiple card + password users continuously. Press \* to end programming.

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Video 4: Demonstrates adding card + password-type users to the access control keypad (02:03 - 02:40 in the full video).

## Opening the Door

To open the door using the keypad:

- **For Card Access:** Present your registered RFID card to the ID card area on the keypad.
- **For Password Access:** Enter your user password followed by the # key.
- **For Card + Password Access:** First, swipe your registered RFID card. A green light will flash. Then, input your user password followed by the # key.



Figure 4: User interacting with the keypad for door access.

## MAINTENANCE

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The Retekess T-AC800 keypad is designed for durability and features a waterproof touch panel, making it suitable for various environments. To ensure longevity and optimal performance:

- Regularly clean the acrylic touch screen with a soft, damp cloth. Avoid abrasive cleaners.
- Ensure all connections remain secure and free from corrosion, especially in outdoor installations.
- Periodically check for any physical damage to the metal casing or panel.



Figure 5: Keypad demonstrating its waterproof capability.

## TROUBLESHOOTING

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If you encounter issues with your Reteless T-AC800 keypad, consider the following common problems and solutions:

- **Keypad Unresponsive:** Check the power supply connection. Ensure the keypad is receiving adequate power (DC 12V).
- **Programming Difficulties:** Double-check the programming code (default 123456). Ensure you are following the correct sequence for adding users as described in the 'Adding Users' section. Incorrect key presses or timing can lead to programming failures.
- **Door Not Unlocking:** Verify that the electric lock is correctly wired to the keypad and power supply. Check the lock's power requirements and ensure they match the power supply output. Confirm that the user card or password is correctly registered and entered.
- **Tamper Alarm:** The keypad features tamper detection. If the unit is improperly installed or tampered with, an alarm may sound. Ensure secure mounting.
- **Interference:** While designed with anti-interference ability, strong electromagnetic fields nearby could potentially affect performance. Try to relocate the keypad or identify sources of interference if issues persist.

For complex issues, it may be necessary to inspect the internal circuit board. This should only be done by qualified personnel.



Figure 6: Internal Circuit Board of Reteless T-AC800

## SPECIFICATIONS

Attribute	Value
Brand	Retekess
Model Number	T-AC800
Color	White
Power Source	DC
Voltage	12 Volts
Item Dimensions (L x W x H)	7.68 x 5.12 x 2.36 inches
Item Weight	0.43 Kilograms (15.1 ounces)
Connectivity Technology	Interface, Play, Plug
Alert Type	Motion
Control Method	Touch
Included Components	Keypad
Special Features	Large Memory capacity, Waterproof touch panel
User Capacity	8000 users

## WARRANTY AND SUPPORT

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### Warranty Information

Retekess provides a 2-year warranty and a 30-day return policy for this product. Beyond the warranty period, maintenance services are available, with buyers responsible for associated costs. All services are processed to be as hassle-free as possible.

### Customer Support

For any questions or support needs, please contact Retekess customer service on Amazon. Inquiries are typically responded to within 12 hours.