

Retekess F9501D

Retekess T-AC03 Security Access Control Keypad User Manual

Model: F9501D

Brand: Retekess

1. PRODUCT OVERVIEW

The Retekess T-AC03 Security Access Control Keypad is a robust, stand-alone RFID keypad designed for secure door access. It supports up to 2000 users and offers flexible access methods including RFID card, PIN code, or a combination of both. Constructed with durable zinc alloy and featuring epoxy encapsulation, this keypad is weatherproof (IP68 rated) and suitable for both indoor and outdoor environments. Key features include a backlit keypad for night use, adjustable door relay time, Wiegand 26-bit output, and short circuit protection.



Figure 1.1: Front view of the Retekess T-AC03 Keypad.

2. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Retekess T-AC03 keypad. This

section provides guidance on wiring and physical setup.

2.1 Wiring Diagram and Connections

The T-AC03 keypad requires connection to a power supply, an electric lock, and an exit button. Refer to the diagram and video below for detailed wiring instructions.



Figure 2.1: Detailed wiring connections for the access control system.

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Video 2.1: Step-by-step guide on how to install the Reteless T-AC03 access control keypad, including wiring details.

Key Wiring Points:

- The positive (red wire) of the lock connects to the NO (Normally Open) terminal of the power supply.

- The positive (red wire) of the door access control connects to the 12V DC output of the power supply.
- The negative (black wire) of the door access control connects to the GND (Ground) terminal of the power supply.
- The NC (Normally Closed) terminal (orange wire) of the door access control connects to the PUSH terminal of the power supply.
- The COM (Common) terminal (purple wire) of the door access control connects to the COM terminal of the power supply.
- The OPEN terminal (yellow wire) of the door access control connects to the NC (Normally Closed) terminal of the exit button.
- The COM (Common) terminal of the exit button connects to the COM terminal of the power supply.

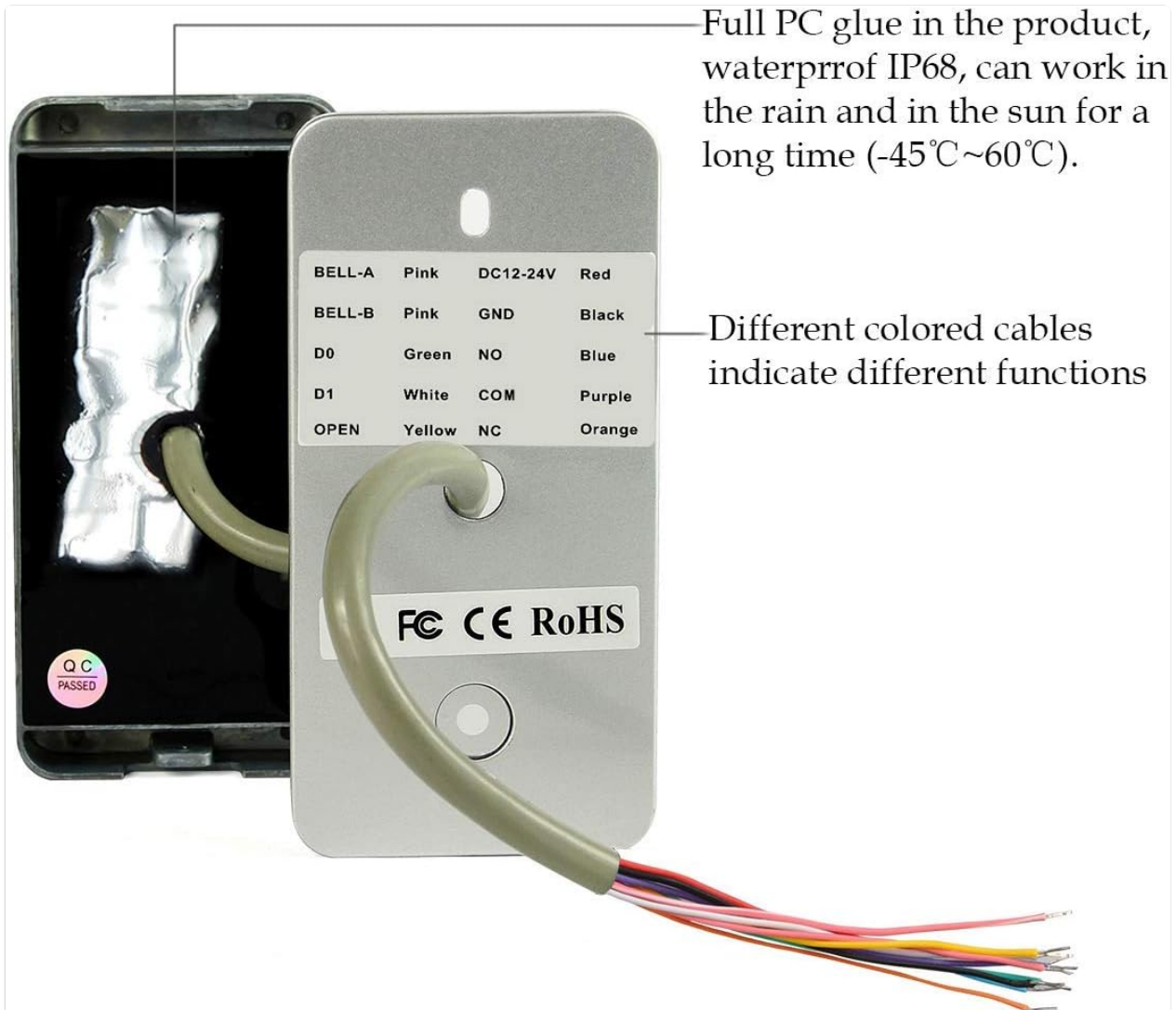


Figure 2.2: Back view of the keypad with clearly labeled wiring connections.

3. OPERATING INSTRUCTIONS

This section details how to program and use your Retekess T-AC03 keypad for daily operation.

3.1 Adding Users

The keypad supports adding up to 2000 individual users. Users can be added as card-only, PIN-only, or card +

PIN users.



Three access ways

- 01 Card
- 02 PIN
- 03 Card + PIN

Figure 3.1: The keypad supports up to 2000 individual user passwords.

Wiegand output

- Support to modify the programming password.
- Add user cards.
- Public password modification.
- Data storage function.



Figure 3.2: The keypad offers three access methods: Card, PIN, or Card + PIN.

3.1.1 Adding Card Users

To add a card user, follow the instructions in the video below. This method allows for continuous addition of cards without exiting programming mode, with user IDs automatically generated.

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Video 3.1: Instructions on how to add users to the Retekess T-AC03 keypad using RFID cards.

3.1.2 Adding PIN Users

To add a PIN user, the ID number can be any number between 1 and 2000. The PIN must be a four-digit number between 0000 and 9999, with the exception of 1234, which is reserved.

3.2 Deleting Users

Users can be deleted continuously without exiting programming mode. Exercise caution when deleting users, especially when deleting all users by card.

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Video 3.2: Guide on how to delete users from the Retekess T-AC03 keypad.

3.3 Unlocking the Door

The keypad supports unlocking the door via valid card, valid PIN, or a combination of both, depending on the configured access mode.

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Video 3.3: Demonstrates how to use the Retekess T-AC03 keypad to open the door.

3.4 Security Mode Settings

The keypad offers various security modes, including a keypad lockout mode and an alarm mode. These modes enhance the security of your access control system.

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Video 3.4: Explains how to set different security modes on the Retekess T-AC03 keypad.

4. MAINTENANCE

The Retekess T-AC03 is designed for durability and weather resistance. Its circuit board is fully encapsulated in epoxy, making it waterproof and suitable for harsh environments.

Details determine experience



Figure 4.1: The keypad is made of strong metal materials for anti-drop and durability.

Key Maintenance Features:

- **Weatherproof Design:** The zinc alloy electroplated technology and fully encapsulated circuit board ensure the keypad can withstand rain, snow, strong winds, and sunny conditions.
- **Backlit Keys:** The keys feature a backlight function, ensuring clear visibility and operation even in dark places or at night.



Backlit keys, clear to use at night

Red, Yellow and Green LEDs display the working status

Figure 4.2: Backlit keys provide clear visibility for use at night.

Anti-drop and durable

Made of strong metal materials, longer service life



Figure 4.3: Detailed view highlighting the indicator light, number keyboard, and trademark logo.

5. TROUBLESHOOTING

If you encounter issues with your Retekess T-AC03 keypad, consider the following common troubleshooting steps:

- **No Power/No Lights:** Ensure all power connections are secure and the power supply is functioning correctly. Check for any loose wires or short circuits.
- **Keypad Not Responding:** Verify that the keypad is properly connected to the control unit. If the keypad is in lockout mode (due to too many incorrect entries), wait for the lockout period to expire or use a valid master code/card to reset.
- **Cards Not Working:** Ensure the RFID cards are compatible with the keypad's frequency (e.g., 125 KHz or 13.56 MHz). Confirm that the cards have been correctly added to the system. Some cards, even of the correct frequency, may not be compatible due to encryption or specific chip types.

- **PIN Not Working:** Double-check the PIN entry. Ensure the PIN is correctly programmed for the user ID. Remember that the default PIN 1234 is reserved and cannot be used as a user PIN.
- **Door Not Unlocking:** Check the electric lock's power supply and connections. Verify the door relay time setting. Ensure the correct access method (card, PIN, or both) is being used for the specific user.
- **Alarm Triggering:** If the alarm sounds unexpectedly, it might be due to multiple invalid card/PIN attempts. Refer to the 'Security Mode Settings' section to understand and reset the alarm mode.
- **Programming Issues:** Ensure you are entering the master code correctly and following the programming sequence precisely. Incorrect key presses or timing can lead to programming failures.

6. SPECIFICATIONS

Feature	Detail
Brand	Retekess
Model Number	F9501D
Material	Zinc Alloy
Color	Silver
Product Dimensions	4.64"L x 2.2"W x 0.78"H (118mm x 56mm x 20mm)
Item Weight	13.1 ounces
Voltage	12 Volts
Display Type	LED
User Capacity	2000 users
Access Ways	Card, PIN, Card + PIN
Wiegand Output	Wiegand 26-bit
Waterproof Rating	IP68 (fully encapsulated circuit board)
Adjustable Door Relay Time	0-99 seconds

7. WARRANTY AND SUPPORT

This product is 100% new in its original package and has been tested before shipping to ensure good quality. For further assistance, technical support, or warranty inquiries, please contact Retekess customer service through the official Retekess store or your point of purchase. Please have your model number (F9501D) and

purchase details ready for faster service.

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