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› AMOCAM WiFi Access Control System User Manual

AMOCAM dcc44d25-4be7-43d4-b85c-78a4b1e32778

AMOCAM WiFi Access Control System User Manual

Brand: AMOCAM | **Model:** dcc44d25-4be7-43d4-b85c-78a4b1e32778

1. PRODUCT OVERVIEW

The AMOCAM WiFi Access Control System is a comprehensive security solution designed for various door types, including wooden, metal, and fireproof doors. This bundle integrates multiple components to provide secure and flexible access management through various unlocking methods, including fingerprint, RFID card, password, and smartphone application control.



Image 1.1: The AMOCAM WiFi Access Control Keypad shown alongside a smartphone displaying the associated control application. The keypad features a numeric input, function keys, and a fingerprint reader.

This system is ideal for enhancing security in residential and commercial environments, offering robust control over entry and exit points.

2. PACKAGE CONTENTS

Please verify that all components listed below are present in your package:

- **WiFi Access Control Keypad:** Main unit for access authentication.
- **K80 Power Supply Control:** Converts AC power to DC 12V for the system.
- **Metal Push Button:** Exit release button for internal use.
- **Electric Drop Bolt Lock:** Fail-safe NC mode electronic door lock.
- **ID Key Fobs (5 PCS):** For RFID card access.
- **Mounting Hardware and Accessories:** Screws, cables, and connectors necessary for installation.

3. KEY FEATURES

- **Multiple Unlocking Methods:** Supports fingerprint, swipe card (ID key fobs), code password, and TUYA APP for versatile access.
- **Weatherproof Keypad:** Designed for outdoor use with backlight keys for visibility in low light conditions.
- **Robust Power Supply:** AC 110-240V to DC 12V power supply (K80 model) ensures stable operation for the entire system.
- **Durable Exit Button:** Zinc alloy shell push exit release door switch button with NO/COM output.
- **Secure Electric Lock:** DC 12V fail-safe NC mode electronic drop bolt lock compatible with various door types.
- **Smart Home Integration:** Compatible with Tuya Smart Home Platform for remote management and control.

4. SETUP & INSTALLATION

Installation of this access control system involves electrical wiring and mechanical mounting. It is highly recommended that installation be performed by a qualified professional to ensure safety and proper functionality. Refer to the individual component manuals for detailed wiring diagrams and specific mounting instructions.

4.1. General Wiring Overview

The system operates on a DC 12V power supply provided by the K80 control unit, which converts AC 110-240V input. Ensure all connections are secure and insulated to prevent short circuits.

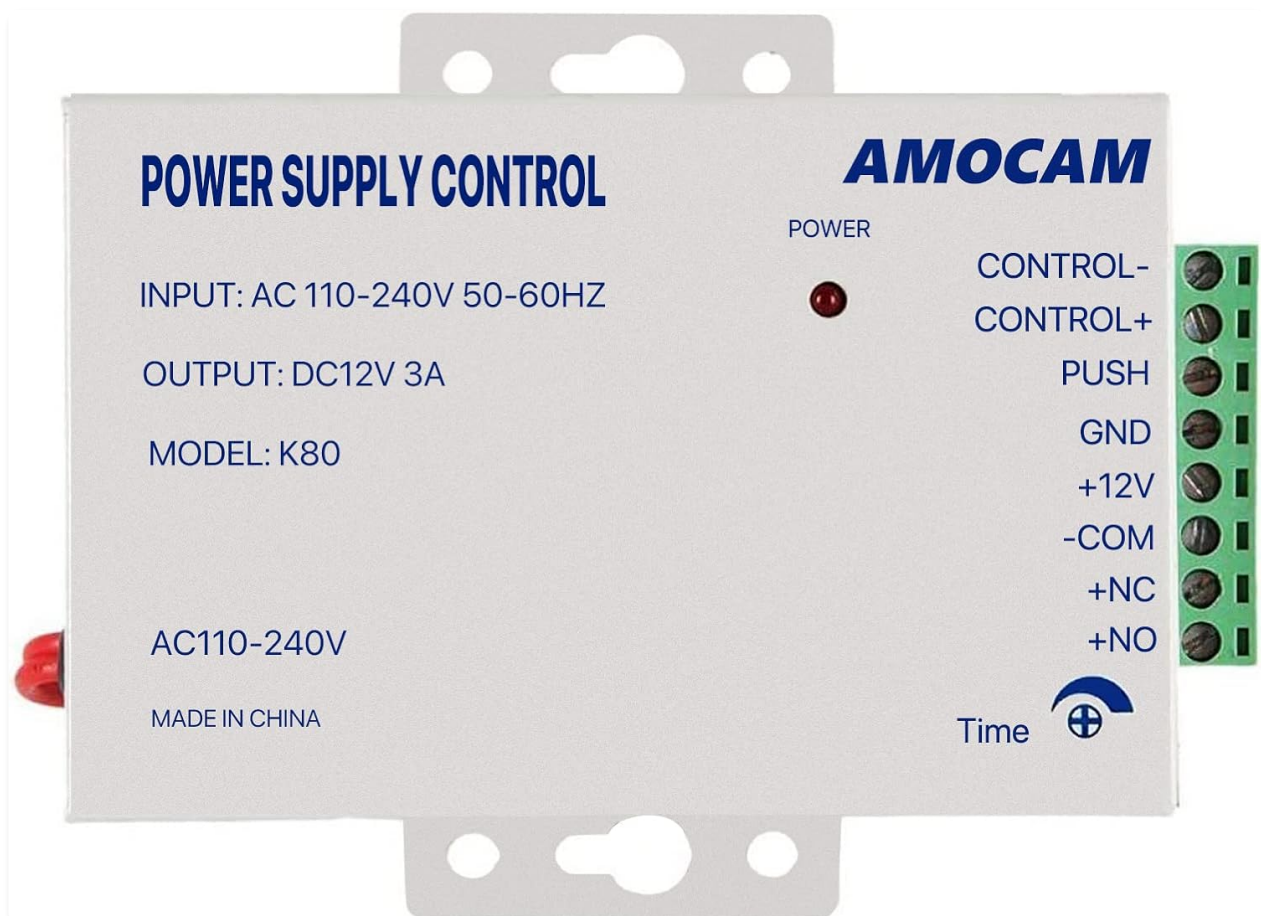


Image 4.1: The AMOCAM K80 Power Supply Control unit, showing input for AC 110-240V and output for DC 12V, along with control terminals for various components.

Connect the WiFi Access Control Keypad, Electric Drop Bolt Lock, and Metal Push Button to the K80 Power

Supply Control unit according to their respective wiring diagrams. Pay close attention to positive (+), negative (-), Normally Open (NO), Normally Closed (NC), and Common (COM) terminals.

4.2. Component Mounting

- **Keypad:** Mount the keypad at a convenient height near the door, ensuring it is accessible for all users.
- **Electric Drop Bolt Lock:** Install the lock within the door frame or door edge, ensuring proper alignment with the strike plate for secure locking.



Image 4.2: The AMOCAM Electric Drop Bolt Lock, designed for secure door locking with a fail-safe mechanism.

- **Metal Push Button:** Position the exit button on the inside of the door, easily reachable for exiting personnel.





Image 4.3: The AMOCAM Metal Push Button, used for releasing the door lock from the inside.

- **K80 Power Supply:** Mount the power supply in a secure, dry location, away from direct moisture or extreme temperatures.

5. OPERATING INSTRUCTIONS

5.1. Keypad Access

- **Code Entry:** Enter your pre-programmed numerical access code followed by the '#' key. The lock will disengage briefly.
- **RFID Card/Fob:** Present an authorized ID key fob or card to the card reader area on the keypad. The lock will disengage.

- **Fingerprint:** Place a registered finger on the fingerprint sensor. Upon successful verification, the lock will disengage.

5.2. TUYA App Control

Download the Tuya Smart app from your device's app store. Follow the in-app instructions to connect your WiFi Access Control Keypad to your home network. Once connected, you can:

- Remotely unlock the door.
- Add or delete user codes, cards, or fingerprints.
- View access logs and history.
- Manage temporary access codes for guests.

5.3. Exit Button Operation

From the inside, simply press the metal push button to momentarily disengage the electric drop bolt lock, allowing you to exit. The lock will re-engage automatically after a short delay.

6. MAINTENANCE

- **Cleaning:** Wipe the keypad and other components with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion.
- **Firmware Updates:** Check the Tuya Smart app regularly for any available firmware updates for the keypad to ensure optimal performance and security.
- **Battery Check (if applicable):** While the main system is corded, if any accessories use batteries, ensure they are checked and replaced as needed.

7. TROUBLESHOOTING

- **System Not Powering On:**
 - Verify the K80 Power Supply is connected to a live AC outlet (110-240V).
 - Check all DC 12V output connections from the K80 to the keypad and lock.
 - Ensure the power indicator light on the K80 is illuminated.
- **Lock Not Engaging/Disengaging:**
 - Check the wiring between the keypad/K80 and the electric drop bolt lock.
 - Ensure the lock is properly aligned with the door frame and strike plate.
 - Verify that the access code, card, or fingerprint is correctly registered and entered.
- **Keypad Not Responding:**
 - Confirm the keypad is receiving power from the K80 unit.
 - If using WiFi, check your network connection and ensure the keypad is within range.
- **TUYA App Connectivity Issues:**
 - Ensure your smartphone has a stable internet connection.
 - Verify the keypad is connected to your WiFi network (2.4GHz only).
 - Restart the app or re-pair the device if necessary.

8. SPECIFICATIONS

Brand	AMOCAM
Model Number	dcc44d25-4be7-43d4-b85c-78a4b1e32778
Color	Silver
Power Source	Corded Electric (AC 110-240V input to K80, DC 12V output)
Compatible Devices	Tuya Smart Home Platform
Connectivity Technology	Wireless (WiFi)
Alert Type	Entry
Control Method	App, Keypad (Fingerprint, Card, Code)
Installation Method	Screw-In
Built-In Media	Keypad

9. WARRANTY & SUPPORT

AMOCAM products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or visit the official AMOCAM website. If you encounter any issues or require technical assistance, please contact AMOCAM customer support through the contact information provided on our website or your purchase platform.