

AGPTEK HS0014+15+16+17-MB1

AGPTEK RFID Door Access Control System Kit User Manual

Model: HS0014+15+16+17-MB1

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AGPTEK RFID Door Access Control System Kit. This system is designed to enhance security by controlling access to designated areas using RFID proximity cards, passwords, or a combination of both.

The kit includes a robust 280kg (620LB) electric magnetic lock, a user-friendly keypad, a power supply unit, and key fobs, offering a reliable and convenient solution for home, office, factory, or community security needs.

2. PRODUCT COMPONENTS

The AGPTEK RFID Door Access Control System Kit typically includes the following components:

- RFID Access Control Keypad (AD2000-M)
- Electric Magnetic Lock (280kg/620LB holding force)
- Power Supply Control Unit (AD813, AC110-240V to DC12V 3A)
- Door Exit Button
- RFID Key Fobs (typically 10 units)
- Mounting Hardware (screws, anchors, brackets)



Figure 2.1: Overview of AGPTEK RFID Door Access Control System Kit components.

3. SPECIFICATIONS

Feature	Specification
Brand	AGPTEK
Model Number	HS0014+15+16+17-MB1
Magnetic Lock Holding Force	280kg (620LB)
Power Supply Input	AC 110-240V
Power Supply Output	DC 12V, 3A
Connectivity Technology	Wired
Sensor Technology	RFID
Control Method	Keypad, RFID Card/Fob
Item Dimensions (L x W x H)	9.84 x 7.09 x 5.12 inches
Item Weight	5.1 Pounds

4. SAFETY INFORMATION

WARNING: If you are unsure about any part of these instructions, consult a qualified electrician or security system professional. Improper installation or wiring can lead to electric shock, fire, or damage to the system.

- Ensure all power is disconnected before beginning installation or maintenance.
- Follow all local electrical codes and regulations.
- Do not expose the components to water or extreme temperatures.

- Use only the specified power supply and components provided with the kit.

5. SETUP AND INSTALLATION

5.1 Component Overview



Figure 5.1: Magnetic Lock and Mounting Hardware.



Figure 5.2: Power Supply Control Unit (AD813).



Figure 5.3: Door Exit Button.



Figure 5.4: RFID Access Control Keypad (AD2000-M) and Key Fobs.

5.2 Wiring Diagrams

Carefully follow the wiring diagrams provided. Incorrect wiring can damage the system or pose safety risks. Ensure all connections are secure and insulated.

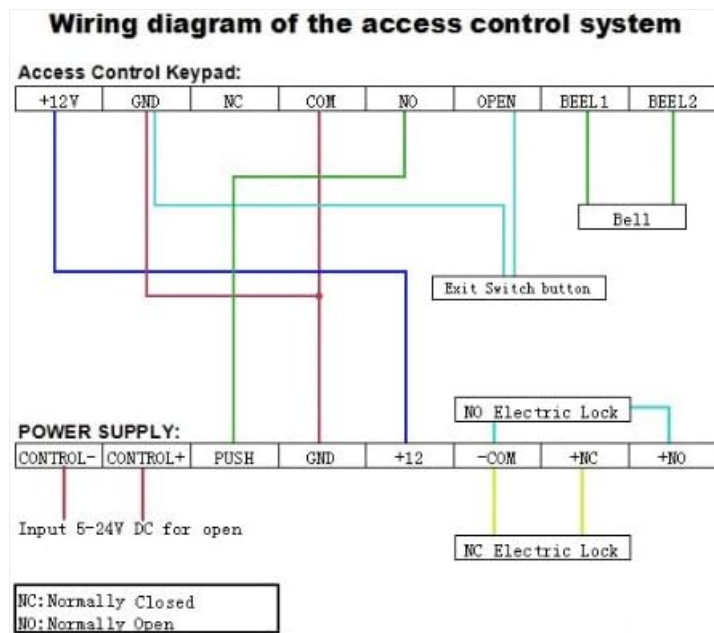
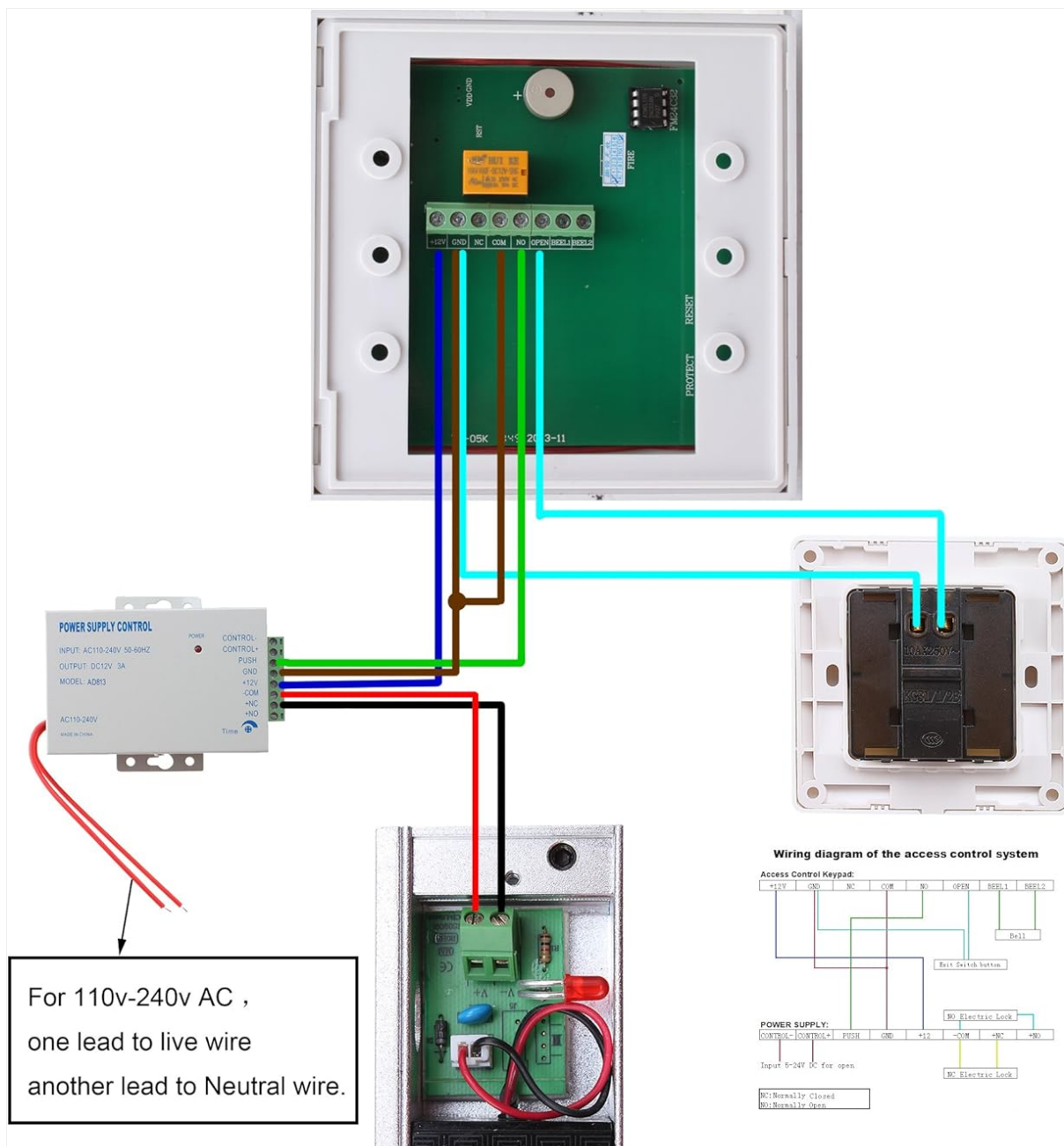


Figure 5.5: Wiring Diagram for Access Control Keypad and Power Supply.



WARNING:IF YOU ARE UNSURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECIRICIAN.

Figure 5.6: Comprehensive Wiring Diagram for the Complete System.

Note on Power Supply: The power supply unit (AD813) requires connection to AC 110-240V. One lead connects to the live wire and the other to the neutral wire. Always ensure power is off before making these connections.

5.3 Physical Installation

The system components are designed for screw-in installation. Refer to the specific instructions for mounting the magnetic lock, keypad, and exit button on your door frame and door. Ensure the magnetic lock and armature plate are aligned correctly for optimal performance.



Figure 5.7: Example of System Installation on a Door.

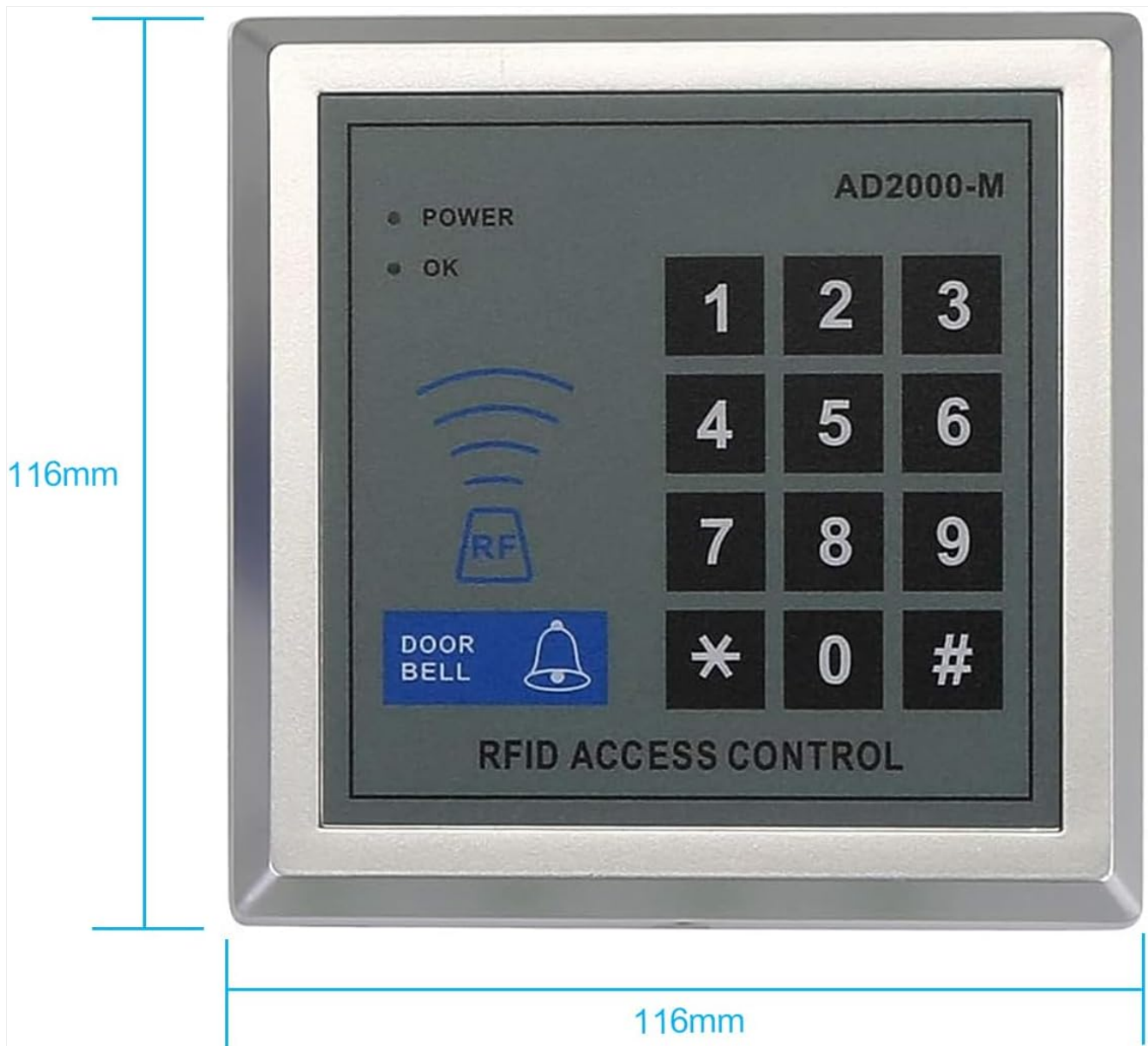


Figure 5.8: Keypad Dimensions for Installation Planning.

6. OPERATING INSTRUCTIONS

6.1 Initial Power-Up

After completing all wiring and physical installation, apply power to the system. The keypad should illuminate, indicating it is ready for programming.

6.2 Programming Access Credentials

The AGPTEK access control system supports multiple access methods:

- **Proximity Cards/Fobs:** Users can gain entry by presenting a programmed RFID key fob to the keypad's sensor.
- **Passwords:** Users can enter a pre-programmed numerical password on the keypad.
- **Hybrid:** Some configurations may allow for a combination of card/fob and password for enhanced security.

Detailed programming steps for adding or deleting user cards/fobs and passwords are typically provided in a separate quick start guide or specific keypad manual. Generally, programming involves entering a master code, selecting a programming mode, and then presenting the card/fob or entering the new password.

6.3 Using the Exit Button

The exit button provides a simple way to unlock the door from the inside. Pressing the button will temporarily release the magnetic lock, allowing egress.

6.4 Connecting to Other Terminals

The access controller can be connected to various terminals for extended functionality, including doorbells and electric locks configured as normally open (NO) or normally closed (NC). Refer to the wiring diagrams (Figure 5.5 and 5.6) for connection points for these additional devices.

7. MAINTENANCE

To ensure the longevity and reliable operation of your AGPTEK RFID Door Access Control System, consider the following maintenance guidelines:

- **Regular Cleaning:** Wipe down the keypad and magnetic lock surfaces with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Connection Checks:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Magnetic Lock Alignment:** Ensure the magnetic lock and armature plate remain properly aligned. Misalignment can reduce holding force and cause premature wear.
- **Power Supply:** Verify the power supply unit is free from obstructions and operating within its specified temperature range.
- **Backup Power (Optional):** For critical security applications, consider integrating an uninterruptible power supply (UPS) to maintain functionality during power outages. The magnetic lock is designed to release upon power failure (fail-unsecure).

8. TROUBLESHOOTING

If you encounter issues with your access control system, refer to the following common troubleshooting steps:

- **System Not Powering On:**
 - Check the AC power connection to the power supply unit.
 - Verify the power supply output (DC 12V) using a multimeter.
 - Ensure all low-voltage connections from the power supply to the keypad are correct and secure.
- **Magnetic Lock Not Engaging/Disengaging:**
 - Check the wiring between the power supply, keypad, and magnetic lock according to the diagrams.
 - Ensure the magnetic lock and armature plate are clean and properly aligned.
 - Verify the keypad is sending the correct signal to the lock (e.g., after successful card swipe or code entry).
- **RFID Cards/Fobs Not Working:**
 - Ensure the cards/fobs have been properly programmed into the system.
 - Confirm the card/fob is being presented correctly to the keypad's RFID reader.
 - Check for any interference near the keypad's RFID reader.
- **Keypad Not Responding:**
 - Check power connections to the keypad.
 - If the keypad is completely unresponsive, a reset may be necessary (refer to specific keypad documentation for reset procedures).

- **Exit Button Not Working:**

- Verify the wiring of the exit button to the access control keypad/power supply.
- Ensure the button itself is not physically stuck or damaged.

If problems persist after following these steps, contact AGPTEK customer support or a qualified technician.

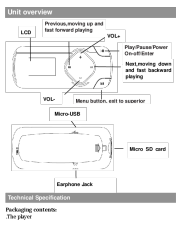
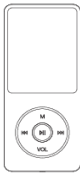


9. WARRANTY AND SUPPORT



For warranty information, technical support, or to purchase replacement parts, please contact AGPTEK customer service.

Refer to the product packaging or the official AGPTEK website for the most current contact details.

When contacting support, please have your product model number (HS0014+15+16+17-MB1) and a detailed description of the issue ready.

Related Documents - HS0014+15+16+17-MB1

 <p>R2 USER MANUAL</p> <p>Unit overview</p> <p>Technical Specifications</p> <p>Packaging contents</p> <p>The player</p>	<p>AGPTEK R2 MP3 Player User Manual - Features, Operation, and Specifications</p> <p>Comprehensive user manual for the AGPTEK R2 MP3 Player. Learn about unit overview, specifications, basic operation, music playback, recording, FM radio, ebook reader, and settings. Includes troubleshooting and contact information.</p>
 <p>AGPTEK User Manual</p> <p>A02S Music Player</p>	<p>AGPTEK A02S MP3 Player Quick Start Guide</p> <p>A concise guide to setting up and using the AGPTEK A02S MP3 Player, covering basic operations and features in multiple languages.</p>
 <p>User Manual</p> <p>AGPTEK</p>	<p>AGPTEK M6S/M16S User Manual - Operation and Troubleshooting Guide</p> <p>Comprehensive user manual for the AGPTEK M6S and M16S portable media players. It details essential functions, setup procedures, operation, charging, data transfer, firmware updates, battery management, and troubleshooting tips to ensure a smooth user experience.</p>
 <p>User Manual</p> <p>MP4 Music Player Model: T09X, T09PL, T09U</p>	<p>AGPTEK T09X, T09PL, T09U MP4 Music Player User Manual</p> <p>Explore the AGPTEK T09X, T09PL, and T09U MP4 Music Player User Manual. This guide covers device setup, button functions, screen navigation, system settings, media playback (music, video, FM radio), sound recording, TF card usage, and FAQs for optimal user experience.</p>

<div data-bbox="124 96 201 118" data-label="Text"><p>AGPTEK</p></div> <div data-bbox="154 125 272 248" data-label="Image">A smartwatch with a black face and a brown leather strap.</div> <div data-bbox="158 250 268 264" data-label="Caption"><p>Smart Watch User Manual</p></div>	<div data-bbox="341 114 1248 145" data-label="Section-Header"><p>AGPTEK W06 Smart Watch User Manual: Features, Operation & Specifications</p></div> <div data-bbox="341 154 1453 266" data-label="Text"><p>Comprehensive user manual for the AGPTEK W06 Smart Watch. Learn about setup, features like heart rate monitoring, sleep tracking, sports modes, and specifications. Support available at support@agptek.com.</p></div>
<div data-bbox="146 347 280 378" data-label="Text"><p>Bluetooth-enabled MP3 Player User Manual</p></div> <div data-bbox="173 414 252 492" data-label="Image">A small, square, silver-colored MP3 player with a screen and buttons.</div> <div data-bbox="124 524 301 562" data-label="Text"><p>Thank you for purchasing AGPTEK MP3 Player. Please read the manual carefully before using the product. Specifications are subject to change without prior notice.</p></div>	<div data-bbox="341 378 855 409" data-label="Section-Header"><p>AGPTEK Bluetooth MP3 Player User Manual</p></div> <div data-bbox="341 418 1441 528" data-label="Text"><p>This user manual provides detailed instructions for operating the AGPTEK MP3 Player, including setup, Bluetooth pairing, music playback, charging, file transfer, and troubleshooting. Covers models like A02 and A15.</p></div>