

AIKE AK2801B

AIKE AK2801B Wall-Mounted Electric Hand Dryer User Manual

Model: AK2801B

1. INTRODUCTION

Thank you for choosing the AIKE AK2801B Wall-Mounted Electric Hand Dryer. This automatic hand dryer is designed for efficient and hygienic hand drying, featuring a durable stainless steel construction and a high-efficiency HEPA filter. Please read this manual thoroughly before installation and operation to ensure proper use and maintenance.

2. SAFETY INSTRUCTIONS

- Ensure the power supply matches the specifications (AC220V-240V, 50/60Hz).
- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Do not operate the hand dryer with wet hands or near water sources to prevent electric shock.
- Do not insert foreign objects into the air outlet or inlet.
- Disconnect power before cleaning or performing any maintenance.
- Keep children away from the unit during operation.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. PRODUCT OVERVIEW

The AIKE AK2801B is a high-speed, automatic hand dryer designed for public and commercial restrooms. It features a robust #304 stainless steel casing and advanced filtration.

Key Features:

- **Fast Drying:** Dries hands in 10-15 seconds.
- **HEPA Filtration:** Filters over 99.97% of particles 0.3 microns and larger, enhancing hygiene.
- **Intelligent Heating:** Automatically adjusts air temperature; heating activates below 25°C ambient temperature.
- **Durable Construction:** Made from #304 stainless steel.
- **Flexible Installation:** Supports both plug-in (1.5m cable with Type C plug) and fixed wiring.

Components:

The unit consists of the main body, air inlet, air outlet, infrared sensor, and a removable HEPA filter.



Figure 1: Front view of the AIKE AK2801B Electric Hand Dryer, showing the air outlet and sensor.



Figure 2: Internal diagram illustrating the HEPA filtration process, showing air intake, filter, and purified air output.

4. SETUP AND INSTALLATION

The AIKE AK2801B hand dryer can be installed via direct plug-in or hard-wired connection. A large mounting plate (295x325mm) is included to cover previous installation marks.

Installation Steps:

1. **Choose Location:** Select a suitable wall location, ensuring adequate space around the unit and proximity to a power source.
2. **Mark Drilling Points:** Use the mounting plate as a template to mark the drilling points on the wall.
3. **Drill Holes:** Drill holes and insert wall anchors (provided).
4. **Mounting Plate:** Secure the mounting plate to the wall using screws.
5. **Wiring (if hard-wired):** For fixed wiring, connect the electrical wires (Live, Neutral, Ground) to the terminal block inside the unit. Ensure power is OFF during this step.

6. **Mount Hand Dryer:** Carefully align the hand dryer with the mounting plate and secure it.
7. **Plug-in (if applicable):** If using the plug-in option, connect the 1.5m power cable to a suitable AC220V-240V outlet.
8. **Test:** Restore power and test the unit.



Figure 3: Illustration of the two installation methods: hard-wired connection and direct plug-in.



Figure 4: AIKE hand dryers installed in a typical restroom environment, demonstrating placement above sinks.

5. OPERATING INSTRUCTIONS

The AIKE AK2801B hand dryer operates automatically via an infrared sensor.

1. **Activate:** Place your hands under the air outlet. The infrared sensor will detect your hands and automatically start the airflow.
2. **Dry Hands:** Move your hands gently under the airflow for 10-15 seconds until dry.
3. **Deactivate:** Remove your hands from under the sensor area. The hand dryer will automatically stop after a brief delay.

The intelligent heating function will activate automatically if the ambient temperature is below 25°C, providing comfortable warm air. Above 25°C, the heating element will remain off to conserve energy.

6. MAINTENANCE

Regular maintenance ensures optimal performance and hygiene.

Cleaning:

- **Exterior:** Wipe the stainless steel casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Sensor:** Keep the infrared sensor clean and free from obstructions.

HEPA Filter Replacement:

The HEPA filter should be inspected periodically and replaced as needed, typically every 6-12 months depending on usage and air quality.

1. **Disconnect Power:** Ensure the hand dryer is disconnected from the power supply.
2. **Remove Cover:** Loosen the screws on the side of the unit to remove the outer casing.
3. **Locate Filter:** The HEPA filter is typically located near the air intake.
4. **Replace Filter:** Carefully remove the old filter and insert a new AIKE-compatible HEPA filter.
5. **Reassemble:** Reattach the outer casing and secure the screws.
6. **Restore Power:** Reconnect the power supply.

7. TROUBLESHOOTING

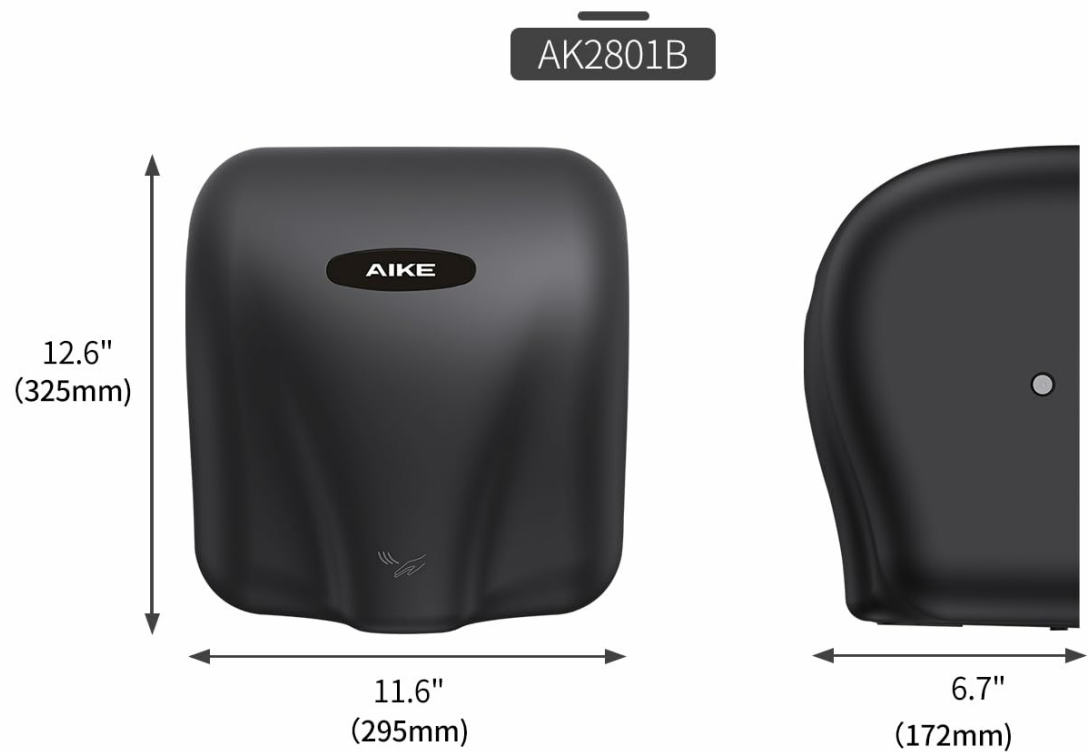
If you encounter issues with your hand dryer, refer to the following table:

Problem	Possible Cause	Solution
Hand dryer does not start	No power supply; Sensor obstructed or dirty; Unit malfunction.	Check power connection/circuit breaker; Clean sensor; Contact support.
Weak airflow	Air inlet/outlet obstructed; Dirty HEPA filter.	Clear obstructions; Clean or replace HEPA filter.
Air is not warm (below 25°C)	Heating element malfunction.	Contact support.
Unit runs continuously	Sensor malfunction or obstruction.	Clean sensor; Contact support.

8. SPECIFICATIONS

Detailed technical specifications for the AIKE AK2801B hand dryer.

PARAMETERS



Model	AK2801B	Voltage	AC220V
Frequency	50/60Hz	Rated Power	1400W-1650W
Motor Type	Brush Motor	Shell Material	#304 Stainless Steel
Air Temperature	20-40°C	Drying Time	10-15s

Figure 5: Technical parameters and dimensions of the AK2801B hand dryer.

Model	AK2801B (AK2801BH)
Voltage	AC220V-240V
Frequency	50/60Hz
Rated Power	1200W-1450W (1400W-1650W as per image)
Motor Type	Brush Motor
Shell Material	#304 Stainless Steel
Air Temperature	20-40°C (Adjustable)
Drying Time	10-15 seconds
Product Dimensions (L x W x H)	29.5 x 17.2 x 32.5 cm (11.6" x 6.7" x 12.6")

Product Weight	4.5 kg
Manufacturer	Zhejiang AIKE Appliances Co., Ltd.

9. WARRANTY AND SUPPORT

Specific warranty information is not provided in this manual. For warranty details, technical support, or spare parts availability, please contact your retailer or the manufacturer directly. Ensure you have your model number (AK2801B) and purchase date available when contacting support.

© 2023 AIKE. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0C9HHP2WW>

More documents and user manuals: <https://manuals.plus/>