ZTBH PC-24A

ZTBH PC-24A Submersible Air Conditioning Drainage Pump User Manual

Model: PC-24A

1. Product Overview

The ZTBH PC-24A is a submersible air conditioning drainage pump designed for efficient water transfer. This pump features a durable, no-float structure and a unique motor and pump body design for lower power consumption and extended lifespan. It is suitable for various applications including air conditioning drainage, farming, vehicle cleaning, and water purification systems.

Key Features:

- No float structure for improved durability.
- Integrated internal lights for ease of use.
- Strong power and high performance.
- Special level meter for accurate installation.
- Low power consumption and long operational life.



Image 1.1: ZTBH PC-24A Submersible Air Conditioning Drainage Pump. This image shows the compact design of the pump unit.

2. Safety Information

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply matches the pump's voltage requirements. Do not operate the pump with damaged cords or plugs. Always disconnect power before performing any maintenance or installation.
- **Water Safety:** This pump is designed for clean water drainage only. Do not use it for flammable liquids, corrosive chemicals, or sewage.
- **Installation:** Install the pump in a stable, level position. Ensure all connections are secure and watertight.
- **Children and Pets:** Keep children and pets away from the pump during operation.
- **Operating Environment:** Do not operate the pump in extreme temperatures or in areas with poor ventilation.



Image 2.1: Features highlighting product reliability and global voltage compatibility. The red circle indicates product liability insurance coverage, and the right side shows a secure cable entry point, suggesting global voltage compatibility.

3. Setup and Installation

Follow these steps for proper installation of your ZTBH PC-24A drainage pump.

Components Diagram:



Image 3.1: Diagram illustrating key components of the pump, including the power socket, water inlet, outlet, circuit board, and water storage kettle.

Installation Steps:

1. **Placement:** Position the pump on a stable, level surface near the air conditioning unit's drain pan or collection point. Ensure there is adequate space for maintenance and ventilation.
2. **Inlet Connection:** Connect the drainage hose from the air conditioning unit to the pump's water inlet. Secure the connection to prevent leaks.
3. **Outlet Connection:** Attach a suitable discharge hose to the pump's outlet. Route the discharge hose to a proper drainage area, ensuring it is free of kinks and obstructions.
4. **Power Connection:** Plug the pump's power cord into a grounded electrical outlet. Ensure the outlet's voltage matches the pump's specifications.
5. **Testing:** After installation, manually pour a small amount of water into the air conditioning drain pan to verify the pump activates and discharges water correctly.



Image 3.2: A coiled clear water pipe, suitable for use as a drainage hose with the pump.

4. Operating Instructions

The ZTBH PC-24A pump operates automatically once properly installed and connected to power.

- **Automatic Operation:** The pump is designed to detect water levels in its internal reservoir. When the water reaches a predetermined level, the pump will automatically activate to discharge the water.
- **Power On/Off:** To turn the pump off, simply unplug it from the power outlet. To turn it on, plug it back in. There is no manual on/off switch on the unit itself.
- **Monitoring:** Periodically check the pump's operation to ensure it is effectively draining water and that the discharge hose is not blocked.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

- **Power Disconnection:** Always disconnect the pump from the power supply before performing any maintenance.

- **Cleaning the Reservoir:** Periodically inspect and clean the internal water storage kettle (reservoir) to prevent buildup of sludge, algae, or debris. Use a mild detergent and water, then rinse thoroughly.
- **Checking Hoses:** Inspect the inlet and outlet hoses for any kinks, blockages, or damage. Ensure connections remain secure and leak-free.
- **Filter Inspection (if applicable):** If your model includes a filter, inspect and clean it regularly according to the manufacturer's recommendations.
- **General Inspection:** Check the pump body for any signs of damage or wear.

6. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Pump does not turn on.	No power supply. Clogged inlet/outlet. Internal fault.	Check power connection and outlet. Clear any blockages in hoses. Contact customer support if power is present and hoses are clear.
Pump runs continuously.	Constant water inflow. Faulty level sensor. Air leak in inlet.	Verify the source of water inflow. Inspect the level sensor for debris. Check inlet connections for air leaks.
Pump is noisy or vibrates excessively.	Debris in pump. Improper installation. Worn components.	Disconnect power and inspect for debris. Ensure pump is on a stable, level surface. Contact customer support if noise persists.
Water leakage.	Loose hose connections. Damaged hose or pump body.	Tighten all hose connections. Inspect hoses and pump for cracks or damage; replace if necessary.

7. Specifications

Detailed technical specifications for the ZTBH PC-24A pump.

- **Brand:** ZTBH
- **Model:** PC-24A
- **Style:** Submersible
- **Power Source:** Corded Electric
- **Item Weight:** 500 Grams
- **Unit Count:** 1.0 Count
- **ASIN:** B0BBVT9PQ6

8. Warranty and Support

Warranty Information:

This product typically comes with a manufacturer's warranty covering defects in materials and workmanship for a specified period from the date of purchase. Please refer to your purchase documentation or contact the seller for specific warranty terms and conditions.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your retailer or the manufacturer directly. Keep your purchase receipt and product model information handy when contacting support.
Manufacturer: ZTBH

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