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> yancinne ATF830 Automatic Door Sensor Probe User Manual

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Model: ATF830 (Half Circle Style)

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the yancinne ATF830 Automatic Door Sensor Probe. This device is designed to detect movement using 24G microwave technology, enabling automatic door activation or similar applications. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT OVERVIEW

The yancinne ATF830 is a 24G microwave sensor designed for automatic door systems. Its "Half circle" style casing provides a discreet and functional design for various installations. The sensor detects motion within its field, signaling the automatic door mechanism to open.



Figure 1: yancinne ATF830 Automatic Door Sensor Probe (Half Circle Style). The image displays the sensor's silver outer casing detached from its black base, revealing the internal circuit board with gold contacts.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by qualified personnel.

1. **Mounting Location:** Select a stable mounting surface above the door, ensuring a clear line of sight for the sensor's detection area. Avoid locations with excessive vibration or direct exposure to strong electromagnetic interference.
2. **Secure Mounting:** Securely attach the sensor base to the chosen location using appropriate fasteners. Ensure the sensor is firmly fixed to prevent movement.
3. **Wiring:** Connect the sensor to the automatic door controller or power supply according to the wiring diagram provided with your specific door system. Pay close attention to polarity and voltage requirements. **Warning: Disconnect power before performing any wiring to prevent electrical shock.**
4. **Detection Area Adjustment:** Most automatic door sensors allow for adjustment of the detection field. Refer to your door system's manual for specific instructions on how to adjust the sensor's sensitivity and detection pattern to suit the environment and traffic flow.
5. **Final Assembly:** Once wiring and adjustments are complete, carefully reattach the sensor's cover.

4. OPERATING INSTRUCTIONS

Once installed and powered, the ATF830 sensor operates by emitting 24G microwave signals and detecting changes in the reflected signals caused by movement. When motion is detected within its configured field, the sensor sends a signal to the connected automatic door controller, initiating the door opening sequence.

- **Power On:** After installation, restore power to the automatic door system. The sensor will typically perform a self-test.

- **Detection:** The sensor continuously monitors its detection zone.
- **Activation:** Upon detecting movement, the sensor activates the door.
- **Monitoring:** Regularly observe the door's operation to ensure the sensor is functioning correctly and the detection area is appropriate.

5. MAINTENANCE

The yancinne ATF830 sensor is designed for low maintenance. However, periodic checks can help ensure long-term reliability.

- **Cleaning:** Gently wipe the sensor's outer casing with a soft, dry cloth to remove dust or dirt. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the mounting for security and ensure all wiring connections are intact and free from damage.
- **Obstructions:** Ensure there are no new obstructions in the sensor's detection field that could interfere with its operation.

6. TROUBLESHOOTING

If the sensor or automatic door system is not functioning as expected, consider the following common issues:

- **Door Not Opening:**
 - Check if the sensor has power.
 - Verify all wiring connections are secure.
 - Ensure the detection area is clear of obstructions.
 - Adjust the sensor's sensitivity or detection pattern if necessary.
- **Door Opening Randomly:**
 - Check for environmental factors like moving objects (e.g., flags, curtains) or strong air currents within the detection zone.
 - Reduce the sensor's sensitivity or narrow the detection pattern.
- **Intermittent Operation:**
 - Inspect for loose connections or damaged wiring.
 - Ensure the sensor is securely mounted and not vibrating.

If issues persist after performing these checks, contact a qualified technician or the manufacturer for further assistance.

7. SPECIFICATIONS

Brand	yancinne
Model Number	ATF830
Type	Automatic Door Sensor Probe / 24G Microwave Oven Sensor
Style	Half circle
Detection Technology	24G Microwave
Manufacturer	yancinne
Date First Available	September 1, 2024

8. WARRANTY AND SUPPORT

The yancinne ATF830 Automatic Door Sensor Probe comes with a **120-day warranty** from the date of purchase. This warranty

covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further inquiries, please contact your retailer or the manufacturer directly. Please have your purchase information and model number (ATF830) available when seeking support.

