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Wheelock RSSWP-2475W Fire Safety Strobe Light User Manual

Model: RSSWP-2475W

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Wheelock RSSWP-2475W Red Strobe Wall Weatherproof 24VDC 75CD Fire Safety Strobe Light. This device is designed to provide visual notification in fire alarm systems. Please read these instructions thoroughly before installation and retain them for future reference.

2. SAFETY INFORMATION

Important Safety Instructions:

- Installation must be performed by qualified personnel in accordance with all national and local electrical and fire codes.
- Disconnect power before installation, servicing, or maintenance to prevent electric shock or equipment damage.
- Ensure all wiring connections are secure and correct polarity is observed.
- This device is a visual notification appliance. **WARNING: NOT TO BE USED AS A VISUAL PUBLIC MODE ALARM NOTIFICATION APPLIANCE.**
- Regular testing of the fire alarm system, including this strobe light, is crucial for proper operation.

3. SETUP AND INSTALLATION

The Wheelock RSSWP-2475W strobe light is designed for wall mounting and weatherproof applications. Refer to the installation sheet P84824 for detailed diagrams and instructions.

3.1 Mounting

1. Select a suitable wall location that complies with local codes for visual notification appliances.
2. Ensure the mounting surface is flat and secure.
3. Orient the strobe with the "TOP" indicator pointing upwards.

4. Secure the strobe to the wall using appropriate fasteners. The image below shows the back of the unit with mounting points and wiring terminals. Screws labeled A32099-108 are typically used for installation.



A32099-108



Figure 1: Back view of the Wheelock RSSWP-2475W strobe light. This image displays the wiring terminals, the 'TOP' orientation indicator, and the product specification label. The label indicates the model number, operating current, and UL listings. Mounting screw holes are visible at each corner. The red and black wires are connected to the terminals.

3.2 Wiring

The RSSWP-2475W operates on 24VDC. Refer to the product label for specific current requirements.

- Connect the positive (+) wire from the fire alarm control panel to the positive terminal on the strobe.
- Connect the negative (-) wire from the fire alarm control panel to the negative terminal on the strobe.
- Ensure all connections are tight and secure to prevent intermittent operation or failure.
- The device is rated for REG 24DC, MAX DC OPERATING CURRENT: 138mA and FWR 24DC, MAX FWR OPERATING CURRENT: 222mA.

4. OPERATING INSTRUCTIONS

The Wheelock RSSWP-2475W strobe light is designed to activate upon receiving a 24VDC signal from a compatible fire alarm control panel. When activated, the strobe will emit a bright red flash at a rate specified by fire safety standards, providing visual notification of an alarm condition.

- The strobe has a brightness rating of 75 candela (75CD).
- Ensure the fire alarm control panel is properly configured to activate the strobe during an alarm event.

5. MAINTENANCE

Regular maintenance ensures the continued reliability and performance of your strobe light.

- **Cleaning:** Periodically clean the lens of the strobe with a soft, damp cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Testing:** Conduct regular functional tests of the strobe light as part of your overall fire alarm system testing schedule, in accordance with local codes and manufacturer recommendations.
- **Inspection:** Visually inspect the unit for any signs of damage, loose connections, or environmental wear, especially for weatherproof installations.

6. TROUBLESHOOTING

If the strobe light is not functioning as expected, consider the following:

- **No Flash:**

- Check power supply: Ensure 24VDC is present at the terminals when the alarm is active.
- Verify wiring: Confirm correct polarity and secure connections.
- Inspect for damage: Look for any visible damage to the unit or wiring.

- **Intermittent Flash:**

- Check for loose wiring connections.
- Ensure stable power supply from the fire alarm control panel.

If issues persist after basic troubleshooting, contact a qualified fire alarm technician for assistance.

7. SPECIFICATIONS

Feature	Specification
Model Number	RSSWP-2475W
Voltage	24 VDC
Brightness	75 candela
Material	Metal, Plastic
Finish Type	Weatherproof Coated
Light Source Type	Light Emitting Diode
Mounting Type	Wall Mount
Operating Current (REG 24DC, Max DC)	138mA
Operating Current (FWR 24DC, Max FWR)	222mA
UL Listing	Visual Signal Appliance for Fire Alarm, Visual Appliance for the Hearing Impaired
Part Number	WRSSWP2475WFR
UPC	767571884186

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or service, please refer to the official Wheelock documentation included with your purchase or visit the manufacturer's website. Specific warranty terms and conditions may vary.