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› Risco LuMIN8 Delta Plus Outdoor Siren User Manual

Risco LuMIN8 Delta Plus

Risco LuMIN8 Delta Plus Outdoor Siren

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Risco LuMIN8 Delta Plus Outdoor Siren. Please read this manual thoroughly before installation and use to ensure proper functionality and safety. The LuMIN8 Delta Plus is a self-powered outdoor siren made of polycarbonate, featuring a blue strobe light. It is designed for use with security systems, offering a maximum sound pressure of 114 dBA. It can be used as a siren on a BUS system or as a conventional siren.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation should only be performed by qualified personnel in accordance with local electrical codes. Disconnect power before servicing.
- **Sound Level:** The siren produces a high sound pressure level (114 dBA). Avoid prolonged exposure to prevent hearing damage.
- **Mounting:** Ensure the mounting surface is strong enough to support the siren's weight and withstand environmental conditions.
- **Battery:** Use only the specified Ni-MH rechargeable battery (8.4V, 280mA/h). Do not attempt to open or short-circuit the battery. Dispose of batteries responsibly.
- **Environmental:** The siren is designed for outdoor use but should be protected from direct water jets and extreme temperatures outside its operating range.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Risco LuMIN8 Delta Plus Outdoor Siren unit
- Ni-MH rechargeable battery (8.4V, 280mA/h)
- Mounting hardware (screws, wall plugs)
- This User Manual

4. SETUP AND INSTALLATION

4.1 Choosing a Location

Select a visible outdoor location, preferably high up, to maximize sound and strobe effectiveness. Ensure the location allows for secure mounting and easy wiring access.

4.2 Mounting the Siren

1. Carefully open the siren casing.
2. Mark the drilling points on the wall using the siren's backplate as a template.
3. Drill holes and insert wall plugs if necessary.
4. Secure the siren's backplate to the wall using the provided screws.

4.3 Wiring

Connect the siren to your alarm control panel according to the wiring diagram provided with your alarm system. The LuMIN8 Delta Plus supports both BUS and conventional wiring configurations. Ensure correct polarity for power connections.

Important: Install the Ni-MH rechargeable battery (8.4V, 280mA/h) into its designated compartment after all wiring is complete and before closing the casing. The battery provides backup power and is essential for proper operation.



Figure 1: Risco LuMIN8 Delta Plus Outdoor Siren. This image shows the front view of the siren, featuring its white polycarbonate casing and the prominent blue strobe light section at the bottom.

4.4 Closing the Casing

Once wiring and battery installation are complete, carefully close the siren casing, ensuring all seals are properly seated to maintain its weather resistance. Secure the casing with the appropriate screws.

5. OPERATING THE SIREN

The Risco LuMIN8 Delta Plus siren operates in conjunction with your alarm control panel. It will activate automatically when triggered by the alarm system.

- **Alarm Activation:** When the alarm system detects an intrusion or emergency, the siren will emit a loud audible signal (up to 114 dBA) and the blue strobe light will flash.
- **Disarming:** The siren will cease operation when the alarm system is disarmed via your control panel or remote device.
- **Logo Backlighting:** The customizable logo features timed backlighting, which can be configured through your alarm system's settings (if supported).

6. MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the siren with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Check:** The Ni-MH battery is rechargeable and designed for long life. However, it is recommended to have the battery checked by a qualified technician every 3-5 years, or if the siren's performance degrades.
- **Visual Inspection:** Regularly inspect the siren for any signs of physical damage, loose connections, or obstruction of the sound output or strobe light.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Siren does not activate.	No power, wiring issue, alarm panel fault, battery depleted.	Check power supply to alarm panel. Verify siren wiring. Check alarm panel status. Allow battery to charge or replace if old.
Strobe light not flashing.	Strobe fault, wiring issue, alarm panel setting.	Check strobe wiring. Consult alarm panel manual for strobe settings. Contact support if fault persists.
Siren sounds weak or distorted.	Low battery, obstruction, internal fault.	Allow battery to charge or replace. Clear any obstructions from siren output. Contact support.

If you encounter issues not listed here, or if solutions do not resolve the problem, please contact Risco technical support.

8. SPECIFICATIONS

Feature	Detail
Model	LuMIN8 Delta Plus
Brand	Risco
Sound Pressure Level	Max 114 dBA
Strobe Color	Blue
Power Supply	Self-powered, with external connection to alarm panel
Battery Type	Ni-MH rechargeable 8.4V, 280mA/h (Included)
Material	Polycarbonate
Dimensions (LxHxD)	236mm x 277mm x 50mm
Weight	Approx. 500 g
Connectivity	BUS or Conventional

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided by your Risco distributor or visit the official Risco website. Keep your purchase receipt as proof of purchase for warranty claims.

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