Seco-Larm SL-1301-SAQ/R

Seco-Larm SL-1301-SAQ/R Enforcer LED Strobe Light with Programmable Siren User Manual

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Seco-Larm SL-1301-SAQ/R Enforcer LED Strobe Light with Built-In 100dB Programmable Siren. This device is designed to provide visual and audible alerts in various applications, featuring a durable, weather-resistant design and flexible programming options.

An image showing the red Seco-Larm SL-1301-SAQ/R LED Strobe Light. The device features a clear red dome over an array of bright LEDs, mounted on a black base. The base includes product labeling.

2. IMPORTANT SAFETY INFORMATION

WARNING: This device is not intended to be used as a visual public mode alarm notification appliance. It is designed for supplementary or specific application signaling.

- Read all instructions carefully before installation and operation.
- Ensure power is disconnected before performing any installation or maintenance.
- Installation should be performed by qualified personnel in accordance with all local electrical codes and regulations.
- Do not expose the device to excessive moisture or extreme temperatures beyond its specified operating range.
- Verify correct wiring polarity to prevent damage, although the unit features reverse polarity protection.

3. INSTALLATION

The SL-1301-SAQ/R is designed for simple 2-wire installation and surface mounting. Its weather-resistant construction allows for both indoor and outdoor use.

3.1 Mounting

1. Select a suitable mounting location that provides optimal visibility for the strobe light and audibility for the siren.
2. Ensure the mounting surface is stable and can support the device.
3. Secure the device to the chosen surface using appropriate fasteners (not included).

3.2 Wiring

The unit operates on 10~24 VAC/VDC. It features a simple 2-wire connection.

1. Connect the positive (+) wire from your power source to the RED wire of the strobe light.
2. Connect the negative (-) wire from your power source to the BLACK wire of the strobe light.
3. Ensure all connections are secure and insulated to prevent short circuits.
4. The device includes reverse polarity protection to prevent damage from incorrect wiring, but proper connection is always recommended.

4. OPERATION

The SL-1301-SAQ/R features multiple flashing options and an adjustable siren.

4.1 Flashing Options

The strobe light offers 6 different flashing patterns. The flashing speed is adjustable from 30 to 260 times per minute. Refer to the specific programming instructions provided with the product packaging for detailed steps on how to select patterns and adjust speed.

4.2 Programmable Siren

A built-in 100dB siren can be programmed for various alert scenarios. Consult the product's specific programming guide for instructions on siren activation and sound pattern selection.

4.3 Backup Battery Functionality

The device supports a backup battery for continuous operation during power interruptions. With a backup battery, the unit can provide continuous lighting for up to 2 hours or strobe flashing for up to 2 hours. Ensure a compatible backup battery is connected as per the product's wiring diagram.

5. MAINTENANCE

The Seco-Larm SL-1301-SAQ/R is designed for minimal maintenance due to its durable construction and LED technology.

- **Cleaning:** Periodically clean the lens with a soft, damp cloth to ensure maximum light output. Avoid abrasive cleaners.
- **Inspection:** Regularly inspect the wiring and mounting for any signs of wear, damage, or loosening.
- **LED Life:** The LEDs have an operating life of over 50,000 hours (approximately 5.7 years), reducing the

need for frequent bulb replacement.

6. TROUBLESHOOTING

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

- **No Light/Siren:**

    - Check the power supply to ensure it is within the 10~24 VAC/VDC operating range.
    - Verify all wiring connections are secure and correctly polarized.
    - Ensure the device is receiving power.

- **Incorrect Flashing Pattern/Siren Sound:**

    - Review the programming instructions to ensure the desired pattern or sound is correctly selected.

- **Intermittent Operation:**

    - Check for loose wiring connections or intermittent power supply.
    - Inspect for any physical damage to the unit or wiring.

If issues persist, contact Seco-Larm technical support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Number	SL-1301-SAQ/R
Operating Voltage	10~24 VAC/VDC
Current Draw (Max.)	90~550mA
Number of Flash Patterns	6
Flashing Speed	Adjustable 30~260 times/min
Vertical LED Strips	10
Total Number of LEDs	54
Backup Battery Support	Yes (Steady ON - Up to 2 hours; Strobe flashing - Up to 2 hours)
Operating Temperature	-4°~144° F (-20°~65° C)
Electrical Protection	Reverse polarity protection
Built-in Siren	Yes - 100dB
Operating Life (LEDs)	Over 50,000 hours (over 5.7 years)
IP Rating	IP55 (Weather resistant)
Dimensions	3-15/16" x 2-29/32" (100 x 74 mm)
Color	Red

Feature	Specification
Material	Glass (Lens)
Light Source Type	Light Emitting Diode
Mounting Type	Surface Mount
Item Weight	8.8 ounces

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Seco-Larm website. Keep your proof of purchase for warranty claims.

Feature	Specification
Material	Glass (Lens)
Light Source Type	Light Emitting Diode
Mounting Type	Surface Mount
Item Weight	8.8 ounces