

System Sensor SGWKLED-P

System Sensor SGWKLED-P L-Series Outdoor Compact Wall-Mounted LED Strobe User Manual

Model: SGWKLED-P

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the System Sensor SGWKLED-P L-Series Outdoor Compact Wall-Mounted LED Strobe. Please read this manual thoroughly before installation and retain it for future reference.

The SGWKLED-P is designed for outdoor applications, featuring a compact design and LED technology for visual signaling within a fire alarm or emergency notification system.

2. SAFETY INFORMATION

WARNING: Installation must be performed by qualified personnel in accordance with all local codes and regulations. Failure to follow these instructions may result in property damage, serious injury, or death.

- Disconnect all power before installation or servicing.
- Ensure proper grounding to prevent electrical shock.
- Do not exceed the specified voltage and current ratings.
- Protect wiring from physical damage.
- This device is intended for use with compatible fire alarm control panels or notification appliance circuits (NACs).

3. KEY FEATURES

- **Lower Current Draw:** Approximately 60% lower current draw (on average) reduces power supply requirements and allows more devices per NAC.
- **Outdoor Rated:** NEMA 4X and IP56 rating ensures durability in various outdoor conditions, providing protection against dust, water jets, and corrosion.

- **Compatibility:** Designed for compatibility with legacy System Sensor SpectrAlert, SpectrAlert Advance, and L-Series notification appliances for retrofit applications.
- **LED Technology:** Utilizes efficient LED light source for clear visual signaling.
- **Compact Design:** Wall-mounted form factor for discreet and efficient installation.

4. SETUP AND INSTALLATION

4.1 Unpacking

Carefully remove the strobe from its packaging. Inspect the device for any signs of damage. If damage is found, do not install and contact your supplier.

4.2 Mounting Location

Select a suitable wall-mounted location that meets local code requirements for visibility and environmental conditions. The NEMA 4X and IP56 ratings indicate suitability for outdoor use, protecting against dust, water jets, and corrosion.

4.3 Wiring

1. Ensure power to the Notification Appliance Circuit (NAC) is disconnected.
2. Connect the device to the NAC wiring according to the wiring diagram provided with your fire alarm control panel or system documentation.
3. Observe proper polarity. Incorrect wiring can prevent the device from functioning.
4. Secure all wire connections firmly.

Refer to the specific installation instructions included with the product packaging for detailed wiring diagrams and mounting procedures.



Figure 1: System Sensor SGWKLED-P L-Series Outdoor Compact Wall-Mounted LED Strobe. This image shows the white, rectangular strobe unit with a clear LED lens on the front face. A black gasket is visible along the side, indicating its outdoor rating.

5. OPERATING INSTRUCTIONS

The System Sensor SGWKLED-P LED Strobe operates as a visual notification appliance within a fire alarm or emergency signaling system. Once properly installed and connected to a compatible Notification Appliance Circuit (NAC), the strobe will activate upon receiving a signal from the fire alarm control panel.

- **Activation:** The strobe will flash when the connected NAC provides the appropriate power and signal.
- **Deactivation:** The strobe will cease flashing when the alarm condition is cleared and the NAC signal is removed by the control panel.
- **Synchronization:** If connected to a synchronized NAC, multiple strobes will flash in unison.

No user interaction is required for the operation of the strobe itself once installed. Its function is entirely dependent on the connected fire alarm system.

6. MAINTENANCE

Regular maintenance is crucial to ensure the reliable operation of the SGWKLED-P strobe. All maintenance procedures should be performed by qualified personnel.

- **Visual Inspection:** Periodically inspect the strobe for any physical damage, dirt, or obstructions that might impair its visibility.

- **Cleaning:** If necessary, gently clean the lens and housing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Functional Testing:** Test the strobe's operation regularly as part of the overall fire alarm system testing protocol, in accordance with NFPA 72 and local codes.
- **Wiring Check:** Annually, or as required by local codes, inspect wiring connections for tightness and corrosion.

Refer to your fire alarm system's documentation for specific testing schedules and procedures.

7. TROUBLESHOOTING

If the SGWKLED-P strobe is not functioning as expected, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Strobe does not flash during alarm.	◦ No power to NAC. ◦ Incorrect wiring/polarity. ◦ Faulty device. ◦ NAC circuit fault.	◦ Verify power supply to the NAC. ◦ Check wiring connections and polarity. ◦ Test the device with a known good NAC or replace if necessary. ◦ Inspect NAC for shorts or open circuits.
Strobe flashes intermittently.	◦ Loose wiring connection. ◦ Power fluctuations on NAC.	◦ Secure all wiring connections. ◦ Consult fire alarm control panel manual for NAC power stability.
Strobe is dim or weak.	◦ Dirt or obstruction on lens. ◦ Low voltage from NAC.	◦ Clean the lens. ◦ Verify NAC voltage meets specifications.

If the problem persists after attempting these steps, contact System Sensor technical support or a qualified fire alarm technician.

8. SPECIFICATIONS

Attribute	Detail
Model Number	SGWKLED-P
Brand	System Sensor
Type	L-Series Outdoor Compact Wall-Mounted LED Strobe
Color	White
Dimensions (L x W x H)	5 x 5 x 5 inches (approximate)
Power Source	Corded Electric
Environmental Rating	NEMA 4X, IP56

Attribute	Detail
Included Components	Strobe with LED
UPC	783863059995

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official System Sensor website. Warranty terms typically cover defects in materials and workmanship under normal use.

For technical support, installation assistance, or service inquiries, please contact System Sensor customer service or your authorized System Sensor distributor. Contact details can usually be found on the manufacturer's website or in the product packaging.

Manufacturer: System Sensor