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SLMLSGB TGSG-190

SLMLSGB TGSG-190 Sky Crown Audible Visual Alarm Light User Manual

Model: TGSG-190

1. Introduction

This manual provides comprehensive instructions for the SLMLSGB TGSG-190 Sky Crown Audible Visual Alarm Light. Designed for industrial and safety applications, this device combines audible and visual warnings to enhance safety in various environments. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of the product.

2. Product Overview

The TGSG-190 is an intelligent warning lamp featuring high-brightness LED flash and an adjustable buzzer. It is built for durability with an IP65 protection rating, making it suitable for demanding conditions.

- **Audible and Visual Warning:** Combines a bright LED light with a 0-120dB alarm sound.
- **Multiple Lighting Modes:** Offers four distinct lighting patterns: Left and right flashing, Explosive flashover, Stroboscopic, and Rotating flash.
- **Durable Construction:** IP65 rated for dust and water resistance.
- **High Brightness:** Equipped with 72 selected LED chip lamp beads for superior visibility.
- **Wide Voltage Range:** Operates on 10-30V DC power.



Image: The TGSG-190 alarm light showcasing its key features, including a 0-120dB buzzer and IP65 waterproof protection.

3. Specifications

Feature	Detail
Model Number	TGSG-190
Item Name	Smart LED Warning Lamp
Power	15W
Working Voltage	10-30V DC
Light Color	Red (Other colors may be available in different variants)
Lighting Modes	Left and right flashing, Explosive flashover, Stroboscopic, Rotating flash
Alarm Sound Level	0-120dB

Feature	Detail
IP Rating	IP65
Working Humidity	10%-95%
Working Temperature	-40°C to 70°C (-40°F to 158°F)
Installation Method	Screws fixed
LED Chips	72 selected LED chip lamp beads
Item Weight	2.22 ounces (63 Grams)



Image: Internal structure of the TGSG-190, highlighting the 72 high-brightness LED chip lamp beads.

4. Safety Information

- Always disconnect power before installation, maintenance, or inspection.
- Ensure the power supply voltage is within the specified range of 10-30V DC to prevent damage to the device.

- Do not open the housing or attempt to repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from flammable materials.
- Ensure the mounting surface is stable and secure to prevent the device from falling.
- Avoid direct eye exposure to the flashing light, as it can be intense.

5. Installation

The TGSG-190 alarm light is designed for screw-fixed installation. Follow these steps for proper mounting:

1. **Select Location:** Choose a suitable, stable surface for mounting, ensuring optimal visibility and audibility in the intended environment.
2. **Mark Drilling Points:** Use the base of the alarm light as a template to accurately mark the positions for mounting screws.
3. **Drill Holes:** Drill appropriate pilot holes for the mounting screws at the marked positions.
4. **Secure Device:** Attach the alarm light firmly to the surface using suitable screws.
5. **Wiring:** Connect the power supply wires to the device. Ensure correct polarity for DC power (positive to positive, negative to negative). The device operates on 10-30V DC.
6. **Test:** After installation, apply power to test the functionality of the alarm light.





Image: The base of the TGSG-190 alarm light, illustrating the screw-fixed installation method.

6. Operation

The TGSG-190 features a "Power on Alarm" function, meaning the alarm activates upon receiving power. It also offers four distinct lighting modes.

Power-On Trigger Alarm:

When the device is powered on (10-30V DC), it will automatically activate both the audible and visual alarm functions.

Lighting Modes:

The TGSG-190 supports four lighting modes. For this "Power on Alarm" model, the default mode or a pre-set mode will activate upon power. If mode selection is required, refer to specific wiring diagrams or contact support for variants like "Switch Control" or "485 Protocol Control."

- **Left and Right Flashing:** Alternating flashes from left to right.
- **Explosive Flashover:** Rapid, intense bursts of light.
- **Stroboscopic:** Consistent, high-frequency flashes.
- **Rotating Flash:** Simulates a rotating light effect.



Image: Visual representation of the four optional lighting modes available on the TGSG-190 alarm light.

7. Maintenance

The TGSG-190 is designed for low maintenance due to its durable construction and IP65 rating. Regular checks will help ensure optimal performance.

- **Cleaning:** Periodically clean the outer casing with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the housing.
- **Inspection:** Regularly check for any physical damage to the casing, wiring, or mounting. Ensure all connections are secure.
- **Power Supply:** Verify that the power supply connections remain secure and free from corrosion.

There are no user-serviceable parts inside the device. Refer all servicing and repairs to qualified personnel.

8. Troubleshooting

If you encounter issues with your TGSG-190 alarm light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light or sound does not activate	No power supply or incorrect wiring	Check power connections and ensure 10-30V DC is supplied with correct polarity.
Light is dim or inconsistent	Insufficient voltage or faulty wiring	Verify power supply voltage is within the 10-30V range. Inspect wiring for damage or loose connections.
Alarm sound is not working	Buzzer malfunction or wiring issue	Check wiring to the buzzer. If the problem persists, contact customer support.
Device is physically damaged	Impact or improper handling	Discontinue use immediately. Replace the unit if structural integrity or functionality is compromised.

9. Warranty and Support

This product comes with a standard manufacturer's warranty. For warranty claims, technical support, or service inquiries, please contact the SLMLSGB customer service department through your purchase platform or the manufacturer's official website. Please have your model number (TGSG-190) and purchase details ready when contacting support.

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