

## Gebildet E957

# Gebildet DC 24V 19mm Waterproof Red LED Flash Alarm Buzzer Instruction Manual

Model: E957

## 1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Gebildet DC 24V 19mm Waterproof Red LED Flash Alarm Buzzer. This indicator light with an integrated buzzer is designed for various applications, including electrical control panels and DIY projects, to provide visual and audible alerts regarding equipment status.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this device. Failure to do so may result in injury or damage to the product.

- Ensure the power supply matches the rated voltage (DC 24V) of the device.
- Disconnect power before installation or maintenance to prevent electrical shock.
- Do not exceed the rated current (20~25mA).
- Install in an environment within the specified operating temperature range (-30°C to +85°C).
- Ensure proper wiring connections to avoid short circuits or malfunction.
- This product is waterproof (IP65), but ensure the mounting area is sealed correctly to maintain its rating.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 2 x 19mm Waterproof Flash Buzzer units

## 4. FEATURES

- **Integrated Alert System:** Combines a red LED flash alarm with an intermittent buzzer for clear visual and audible indications.

- **Durable Construction:** Made from SUS304 stainless steel, ensuring longevity and resistance to corrosion.
- **Waterproof Design:** IP65 waterproof rating allows for use in outdoor and demanding environments.
- **High Visibility & Audibility:** Red LED provides a bright visual alert, while the buzzer produces 90-110dB sound.
- **Long Lifespan:** LED life rated at 100,000 hours.
- **Easy Installation:** Features screw terminal wiring for secure connections.
- **Wide Application:** Suitable for ships, machine tools, electrical control panels (HVAC, electrical panels), and DIY projects.

## 5. SPECIFICATIONS

<b>Rated Voltage</b>	24V/DC
<b>Rated Current</b>	20~25mA
<b>Sound Decibel</b>	90~110dB
<b>Frequency</b>	2000-2600 Hz
<b>LED Color</b>	Red
<b>Sound Type</b>	Intermittent
<b>Work Temperature</b>	-30°C ~ +85°C
<b>Nut Torque</b>	5~15Nm
<b>Wiring Type</b>	Screw Terminal
<b>Shell Material</b>	SUS304 Stainless Steel
<b>Mounting Hole</b>	19~19.5mm
<b>Waterproof Class</b>	IP65
<b>Protection Class</b>	IK08
<b>LED Life</b>	100,000 Hours
<b>Insulation Resistance</b>	≥1000mΩ
<b>Dielectric Strength</b>	≥1900VAC/Min
<b>Product Dimensions</b>	4.72 x 3.54 x 0.87 inches (overall package)
<b>Item Weight</b>	0.08 Kilograms / 2.89 ounces

## 6. SETUP AND INSTALLATION

Follow these steps for proper installation:

1. **Prepare Mounting Hole:** Drill a mounting hole with a diameter of 19mm to 19.5mm in your control panel or desired surface.
2. **Insert Buzzer:** Insert the buzzer unit into the prepared hole from the front of the panel.
3. **Secure with Nut:** Thread the securing nut onto the back of the buzzer and tighten it to a torque of 5~15Nm. Ensure it is snug but do not overtighten.

4. **Wiring:** Connect the DC 24V power supply to the screw terminals on the back of the buzzer. Ensure correct polarity (positive to positive, negative to negative) as indicated on the unit or in the wiring diagram (if provided separately). The LED and buzzer are designed to operate together when power is applied.



Figure 6.1: Front view of two Gebildet 19mm LED Flash Alarm Buzzers, showing the stainless steel housing and the LED indicator area.



Figure 6.2: Rear view of two Gebildet 19mm LED Flash Alarm Buzzers, highlighting the blue plastic housing and screw terminals for wiring connections.

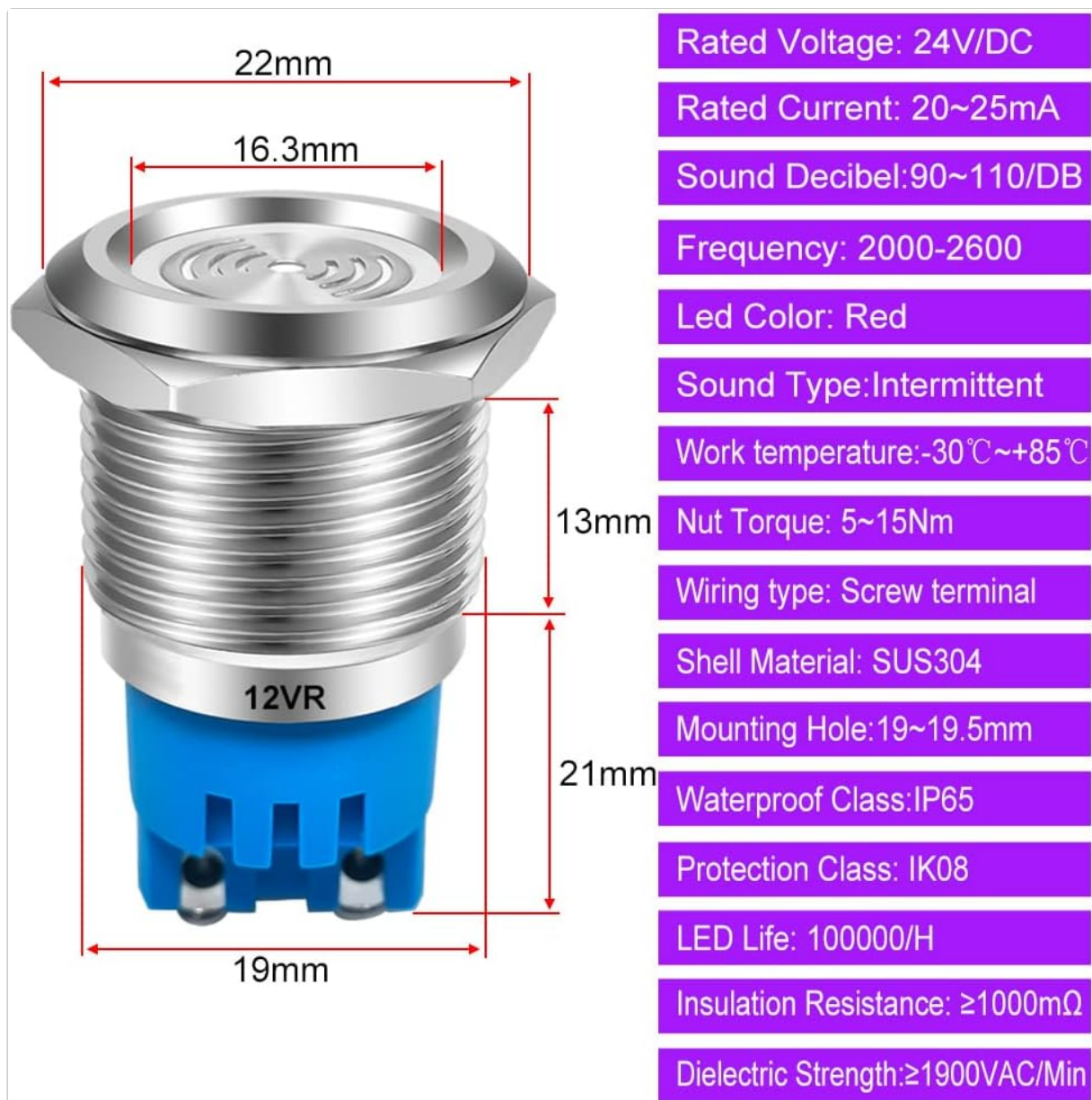


Figure 6.3: Dimensional diagram of the 19mm LED Flash Alarm Buzzer, indicating key measurements for installation, including the 19mm mounting hole diameter.

## 7. OPERATING INSTRUCTIONS

The Gebildet DC 24V 19mm Waterproof Red LED Flash Alarm Buzzer operates automatically when power is supplied to its terminals. When activated, the integrated red LED will flash, and the buzzer will emit an intermittent sound.

- **Activation:** Connect the device to a stable DC 24V power source. The LED will begin flashing and the buzzer will sound intermittently.
- **Deactivation:** Disconnect the power source to turn off the LED and buzzer.
- **Purpose:** This device is intended to serve as an indicator for operational status, warnings, or alarms in electrical circuits and machinery.

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Video 7.1: Demonstration of the 19mm Red LED Flash Alarm Buzzer in operation, showing the flashing light and intermittent sound. This video is provided by Gebildet.

## 8. MAINTENANCE

The Gebildet LED Flash Alarm Buzzer is designed for minimal maintenance. However, regular checks can ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the stainless steel surface with a soft, damp cloth to remove dust or grime. Avoid abrasive cleaners.
- **Inspection:** Routinely inspect wiring connections to ensure they remain secure. Check for any signs of corrosion or damage to the housing.
- **Environmental Conditions:** While IP65 rated, prolonged exposure to extreme conditions outside the specified operating temperature range may affect performance.

## 9. TROUBLESHOOTING

If you encounter issues with your LED Flash Alarm Buzzer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
LED does not flash / Buzzer does not sound	No power supply Incorrect voltage (not DC 24V) Incorrect wiring polarity Loose wiring connections Damaged unit	Check power source and ensure it is active. Verify power supply is DC 24V. Re-check wiring for correct positive and negative connections. Tighten screw terminals. If all else fails, the unit may be faulty and require replacement.
Buzzer sound is weak or distorted	Obstruction near buzzer opening Unit installed in a sealed enclosure Voltage fluctuation	Ensure the buzzer opening is clear. Note that installing in a watertight box may attenuate sound. Verify stable DC 24V power supply.

## 10. WARRANTY AND SUPPORT

This product is manufactured by Gebildet. For warranty claims or technical support, please contact your retailer or the manufacturer directly. Standard return policies typically allow for returns within 30 days of purchase for refund or replacement.

For further assistance, please refer to the contact information provided by your point of purchase or visit the official Gebildet website.