

Sonew Sonewivcrfg3gm8

Sonew Emergency Door Release Break Glass Fire Alarm User Manual

Model: Sonewivcrfg3gm8 | **Brand:** Sonew

1. INTRODUCTION AND OVERVIEW

The Sonew Emergency Door Release Break Glass Fire Alarm is designed to provide a rapid and clear method for initiating an alarm in emergency situations. It supports integration with electric control and access control systems, making it suitable for various security applications in homes, shops, offices, and other public places. Constructed from flame-retardant PC material, this device ensures durability and safety. Its primary function is to allow immediate activation of an alarm by breaking the front panel glass, which then signals a connected control system.



Figure 1.1: Front view of the Sonew Emergency Door Release Break Glass Fire Alarm, showing the 'EMERGENCY DOOR RELEASE' label and 'PRESS HERE' instructions.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation should only be performed by qualified personnel to prevent electrical shock or damage to the device and connected systems. Ensure power is disconnected before wiring.
- **Glass Hazard:** The device requires breaking glass for activation. Exercise caution to avoid injury from broken glass.
- **Intended Use:** This device is for emergency use only. Misuse may result in false alarms or damage.
- **Environmental Conditions:** Do not expose the device to extreme temperatures or humidity outside of the specified operating ranges.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x Emergency Button (Break Glass Unit)

- 1 x Installation Kit (includes screws and a small tool)
- 1 x User Manual



Figure 3.1: The Sonew Emergency Door Release alongside a small tool for glass breaking and a screw, indicating included installation accessories.

4. SETUP AND INSTALLATION

The Sonew Emergency Door Release is designed for installation in hollow door frames or standard 86 embedded electric boxes. Ensure the mounting surface is stable and secure.

4.1 Mounting

1. Choose a visible and easily accessible location for the emergency release button, typically near an emergency exit.
2. Open the device casing to access the mounting holes.
3. Secure the backplate of the device to the wall or embedded box using the provided screws.

4.2 Wiring

The device features Common End, Normally Closed End, and Normally Open End connection ports. These are typically labeled as COM, NC, and NO. Connect the device to your electric control or access control system according to the system's wiring diagram and local electrical codes.

- **Common (COM):** This is the shared terminal.

- **Normally Closed (NC):** This terminal is connected to COM when the alarm is not activated (glass intact).
- **Normally Open (NO):** This terminal is disconnected from COM when the alarm is not activated (glass intact), and connects to COM upon activation.

Refer to the internal wiring diagram for correct connections.



Figure 4.1: Internal view of the Sonew Emergency Door Release, showing the wiring terminals and circuit board for connection.

Use durable plastic shell, fire-proof materials meet safety requirements



Figure 4.2: Detailed view of the Sonew Emergency Door Release components, including the wiring diagram and internal structure, emphasizing its durable plastic shell and fire-proof materials.

4.3 Final Assembly

After wiring, carefully close the device casing, ensuring all wires are properly routed and not pinched. Test the connection with your control system.

5. OPERATING INSTRUCTIONS

In an emergency, to activate the alarm and release the connected door or system:

1. Locate the Sonew Emergency Door Release button.
2. Firmly press or strike the designated 'PRESS HERE' area on the front panel to break the glass.
3. This action will activate the internal switch, sending an alarm signal to the connected control system, which will then perform its programmed emergency function (e.g., unlocking a door, sounding an alarm).



Figure 5.1: A hand breaking the glass panel of the Sonew Emergency Door Release, demonstrating the activation method.

6. MAINTENANCE

- **Regular Inspection:** Periodically check the device for any visible damage, signs of tampering, or obstructions. Ensure the housing is intact and connections are secure.
- **Glass Replacement:** After activation, the front panel glass will be broken and needs to be replaced. Contact a qualified technician or the manufacturer for replacement parts and service to restore the device to its operational state.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid abrasive cleaners, solvents, or excessive moisture, as these can damage the material or internal components.

7. TROUBLESHOOTING

- **Alarm Not Activating:** If the alarm does not activate after breaking the glass, verify all wiring connections are secure and correctly terminated. Ensure the connected control system is powered and

properly configured to receive signals from the emergency release.

- **False Alarms:** If the alarm activates without the glass being broken, check for physical damage to the device or environmental factors that might inadvertently activate the internal switch. Ensure the device is installed in a location free from accidental impact or vibration.
- **System Integration Issues:** If the device is not communicating correctly with an electric control or access control system, consult the manual for the connected system and verify compatibility and wiring.

If issues persist after performing these checks, consult a qualified electrician or contact Sonew customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Control Mode	Glass breakage
Connection Ports	Common End, Normally Closed End, Normally Open End (COM, NC, NO)
Current Rating	<3A (at 220V)
Power Rating	<4000W
Voltage Range	1V-250V
Operating Temperature	-10°C to 55°C (14°F to 131°F)
Storage Temperature	-50°C to 65°C
Plastic Material	Flame-retardant PC Plastics
Electrical Performance	Maximum Current 3A@36V DC
Durability Tests	1 million Durability Life
Applicable Humidity	0-95% (relative humidity)
Application Type	Hollow Door Frame and 86 Embedded Electric Box
Size	8.6 x 8.6 cm (3.4 x 3.4 inches)
Item Weight	0.15 Kilograms (5.3 ounces)



Figure 8.1: Image displaying the dimensions of the Sonew Emergency Door Release, measuring 8.6cm by 8.6cm (3.4 inches by 3.4 inches).

9. WARRANTY AND SUPPORT

Sonew is committed to providing quality products. If you encounter any problems with the product itself, please contact Sonew customer service. We are dedicated to providing a timely response and assisting with returns or replacements as necessary. Please feel free to reach out for support.

For further assistance, please visit the official Sonew store or contact their customer support channels.

