

Wireless Emergency Call & Strobe Alarm System

Technical Datasheet

1. Product Overview

Engineered for high-demand industrial and commercial environments, the Wireless Emergency Call & Strobe Alarm System provides reliable, instant emergency alerts. Pressing the emergency button immediately triggers a high-brightness flashing strobe and a powerful 110dB audible alarm, ensuring rapid response times in critical situations.

2. Key Features

- Long-Range Transmission: Up to 200 meters wireless range in open areas.
- Audio-Visual Alert: High-brightness LED strobe light paired with a loud 110dB siren for noisy environments.
- Plug and Play: Ready to use out of the box with simple button-learning pairing and zero complex debugging.
- Flexible Configuration: Supports multiple buttons controlling one alarm, or one button controlling multiple alarms.

3. Operating Principle

Step	Stage	Description
1	Triggering	Pressing the emergency button transmits a 433.92 MHz wireless RF signal.
2	Transmission	The wireless signal covers up to 200 meters (or 50 meters for battery-powered models) in open areas.
3	Reception	The alarm host receives and verifies the signal via its high-sensitivity module (>97 dBm).
4	Alert	The host instantly activates both a high-brightness LED strobe light and a 110dB loud buzzer .

4. Technical Specifications

Category	Parameter Name	Specification Value
Electrical & Operation	Power Supply	Direct AC 220V Mains Powered (Plug and Play) / Customized
	Working Frequency	433.92 MHz / Customized
	Working Mode	Momentary, Latching, Delay
	Buzzer Volume	110 dB
	Receiving Sensitivity	>97 dBm
	Pairing Method	Button Learning
Alarm Options	Strobe Light Type	Plug-in (Direct AC 220V plug) / Customized
	Wall-mounted Type	Plug-in (Direct AC 220V plug) / Customized
Button Options	Emergency Button	Screw-fixed, 200-Meter Wireless Range
	Sticker Button	Adhesive, Powered by Coin Cell Battery, 50-Meter Wireless Range
Environmental & Physical	Waterproof Rating	IPX5/customized
	Working Temperature	-40 °C ~ +85 °C (Industrial Grade)
	Storage Temperature	-40 °C ~ +85 °C
	Working Humidity	0 ~ 95% RH (Non-condensing)
	MTBF	>100,000 Hours
	Actual Photo	Refer to Figure 1

Figure 1



Disclaimer: All specifications, designs, and information contained herein are subject to change without prior notice. Please refer to the actual product for final delivery.