



XLFSS100 Low Frequency Alarm System



1. Product Overview

Infrasound low-frequency alarm system with strong sound penetration. Low-frequency tremor enables physical perception by occupants and pedestrians. Widely applied to special vehicles, busy intersections and high-traffic road sections.

2. Key Features

- Strong penetration: Infrasound low-frequency tremor, easy to penetrate solid barriers
- Digital power amplifier: ensures stable continuous sound output
- Adjustable alarm duration: 8s-64s time setting available
- Compact structure: small size for various special vehicle installation
- PA alloy injection molded housing: durable and elegant appearance
- Dual mode optional: independent low-frequency output / high-low frequency linkage alarm

3. Technical Specifications

Parameter	Value
Working Voltage	DC 12V / 24V
Standby Current	$\leq 5\text{mA}$
No-load Current	$\leq 12\text{mA}$
Amplifier Current	$8\text{A} \pm 1\text{A}$
Output Voltage	AC $29\text{V} \pm 1\text{V}$
Frequency Range	180Hz-500Hz
Impedance	Siren: 8Ω ; Dual parallel speakers: 16Ω
Working Temperature	$-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Working Humidity	35%-80%
Storage Humidity	20%-93% (40°C)
Atmospheric Pressure	86kPa-106kPa

4. Dimensions

- Amplifier (Siren): $147 \times 120 \times 42 \text{ mm}$
- Speaker: $185 \times 140 \text{ mm}$