



# Watchguard™ Wired Outdoor Siren & Strobe

## Installation Manual

Model: WGSIR-900

This professional security siren features a high power acoustic siren, strobe light and a back-up battery. Compatible with Watchguard™ WGAP864 and most other alarm panels.

### Product Features

- Dual tamper switch protection for outer casing & wall mount removal
- Siren output 115db (single sound) / 120dB (dual sound)
- LED light indicator for easy status confirmation
- Rechargeable backup battery

## Specifications

Dimensions	337 x 215 x 75mm
Power Consumption	20mA @ 12VDC
Backup Battery	12V 1.2A rechargeable
Siren Current	220mA @ 12VDC
Flash Current	180mA @ 12VDC
Timers	1min. (Test) / 3min. / 6min.
Tamper Trigger	Interior/Exterior
Operating Environment	-35° to 70°C
Material	Plastic ABS
Case Protection	Water resistant with UV protection (IP65) Conformal coated circuit board

## LED Light Indicator

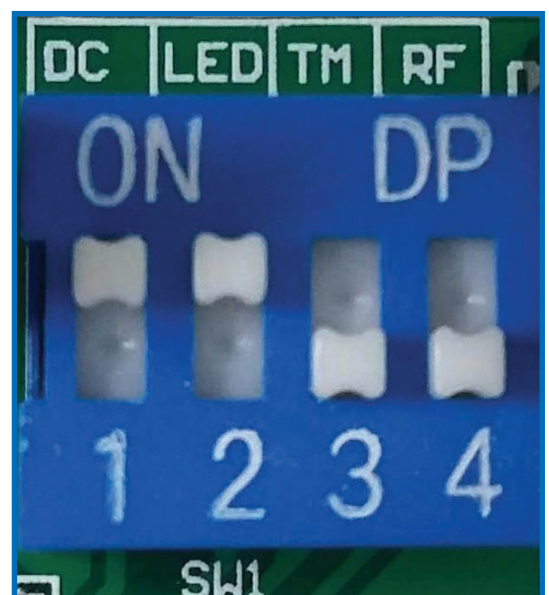
This siren features LED light indicators for easy status confirmation, as follows:

- **Powered on:** All LED lights flash on for 5 seconds
- **Standby mode:** LED 1, LED 2 and LED 3 flash alternatively once per second. *(This LED can be switched off from the DIP switches.)*
- **L+,L- Trigger (Light):** All LED lights flash 3 times per second
- **S+,S- Trigger (Siren):** All LED lights flash 3 times per second
- **Siren Sounds:** One tone - Six tones *(One tone by default)*

## DIP Switches

The power failure alarm and standby mode LED can be adjusted with the interior DIP switches *(pictured)*:

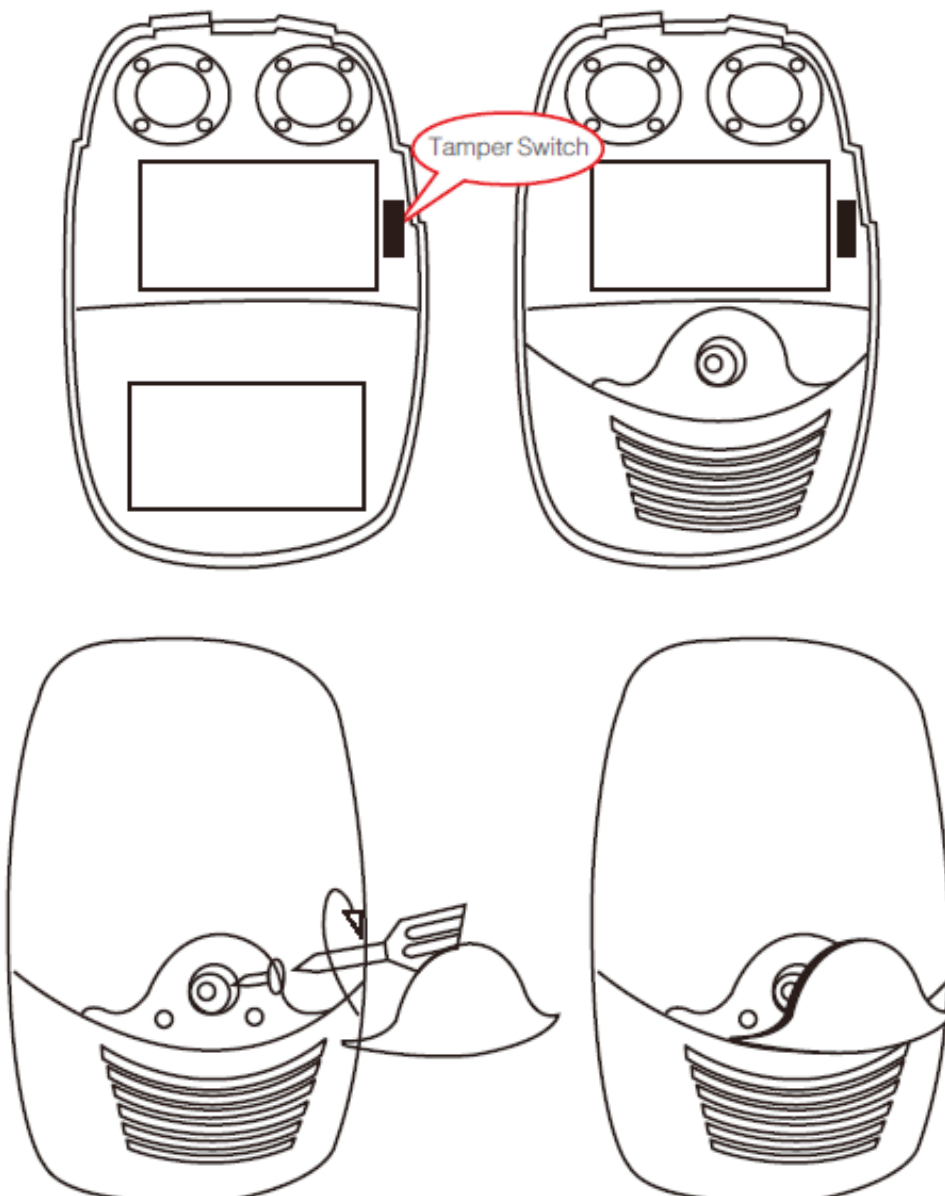
- **DP 1:** Power failure alarm On/Off *(On by default)*
- **DP 2:** Standby mode LED On/Off *(On by default)*
- **DP 3:** Unused
- **DP 4:** Unused



## Installation

1. Choose the mounting location for the siren - the wall must be even and not have any holes or protrusions.
2. Open the siren housing and mount it to the wall with the 3 included screws.
3. Connect the wires to the terminal (*refer to Wiring Diagram*) and plug the terminal to your drive board.
4. Power on the system and check that it's functioning properly, then connect it to the backup battery.
5. Close the housing, ensuring the tamper switch is pressed down as you do so.
6. If powered correctly, all 3 LED lights will flash on for 5 seconds then turn off.

**Note: If the tamper switch is not switched on, the siren will not work properly.**



## Wiring

To connect the siren unit to the alarm panel, follow the wiring diagram below:

1. AUX output from the alarm panel connects to DC-12V port on the siren unit
2. SIREN output from the alarm panel connects to SN port on the siren unit
3. Connect 12vdc back up battery of the siren unit to the siren battery port
4. **WGAP864 alarm panel only:** Install a 3K3 resistor connecting across the SIREN port, then another 3K3 resistor connecting in-series with the PANIC port on the WGAP864 alarm panel.

