Watchguard™

Watchguard™ Wired Siren & Strobe
Installation Manual

Model: WGSIR-500

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

- Loud siren sound with high-visibility strobe flashes
- LED light indicator for easy status confirmation
- Dual tamper switch protection for outer casing & wall mount removal
- Internal 7.2V rechargeable backup battery

Specifications

Dimensions	300 x 220 x 65mm
Weight	1kg
Power Consumption	20mA @ 12VDC
Backup Battery	7.2V 500mA rechargeable
Siren Current	220mA @ 12VDC
Flash Current	180mA @ 12VDC
Timers	5sec. (Test) / 3min. / 20min.
Tamper Trigger	Interior/Exterior
Operating Environment	-25° to 70°C
Material	Polycarbonate
Case Protection	UV protection

LED Light Indicator

This siren features LED light indicators for easy status confirmation that count from the 8-pin terminal connector, as follows:

- **Power Cut:** LED 2 flashes twice, then pauses for 1 second. Siren will sound.
- **Standby Mode:** Both LEDs flash alternately.
- **No Backup Battery PSU:** LED 2 flashes.
- **Siren Trigger:** Both LEDs and the Light flash continuously.

Tamper Switch

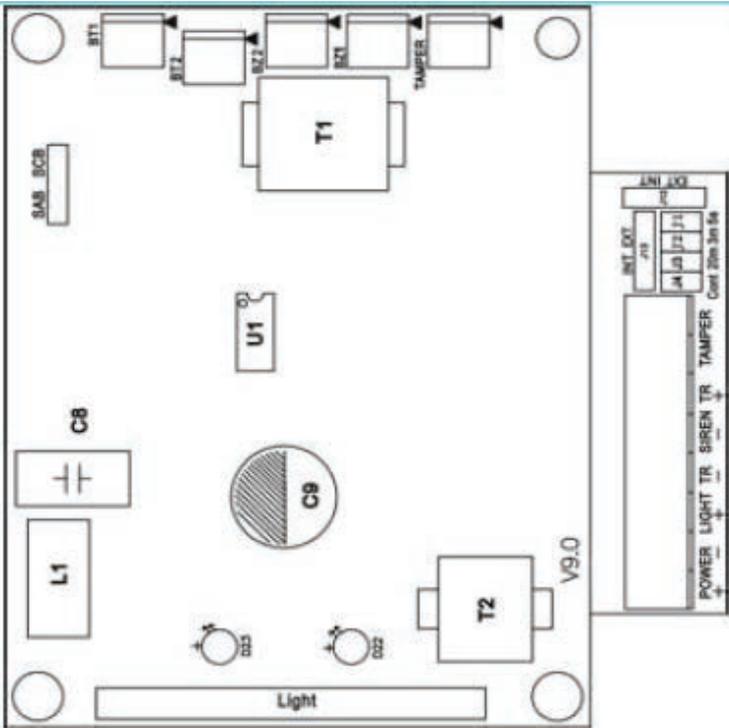The factory default is INT (interior trigger)

- **INT Mode:** Tamper will trigger alarm directly.
- **EXT Mode:** Tamper will trigger panel first.

SAB/SCB Selection

The factory default is SAB.

- **SAB Mode:** Control panel will power the buzzer.
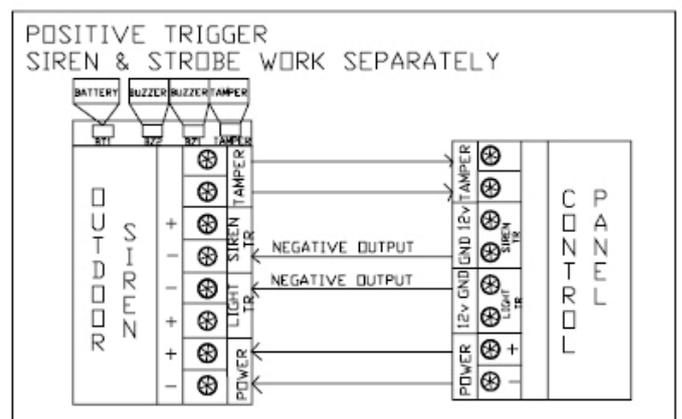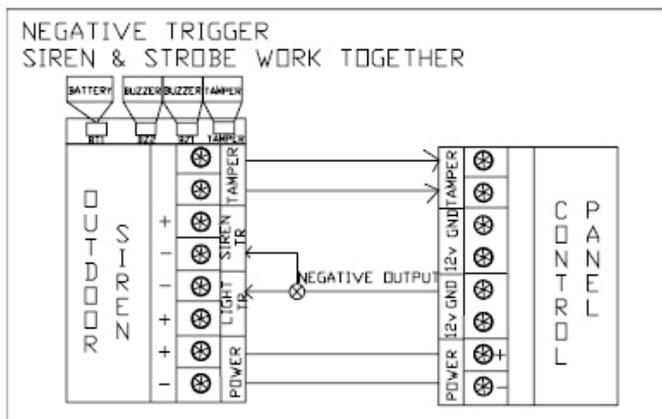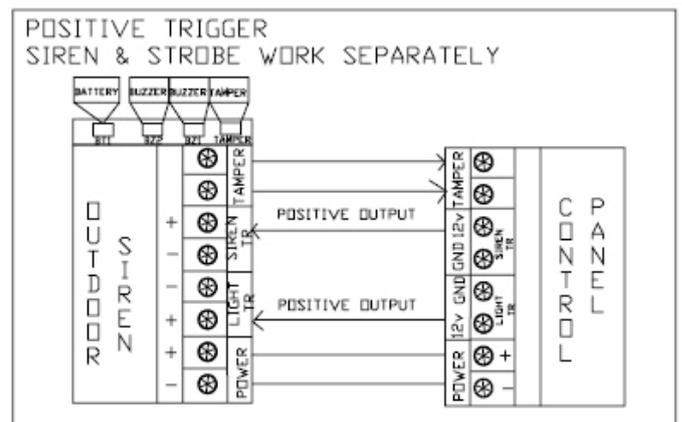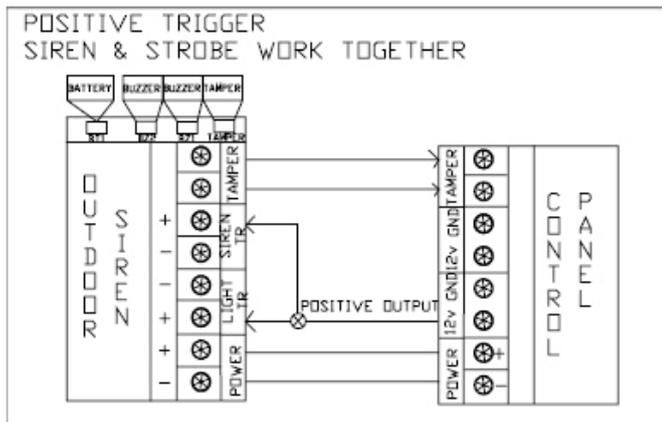- **SCB Mode:** Backup battery will power the buzzer.

PCB Diagram

Cut Off Siren Duration

The factory default is J3 (20 minutes).

TIMER SETTING		
J1	○ ○	Test
J2	○ ○	3 minutes
J3	◐ ◐	20 minutes
J4	○ ○	Continuous

Wiring Diagram

POSITIVE TRIGGER
SIREN & STROBE WORK TOGETHER

POSITIVE TRIGGER
SIREN & STROBE WORK SEPARATELY

NEGATIVE TRIGGER
SIREN & STROBE WORK TOGETHER

POSITIVE TRIGGER
SIREN & STROBE WORK SEPARATELY

WGAP864 Alarm Panel Wiring

To connect the siren unit to the WGAP864 alarm panel follow the wiring diagram below: