Watchguard™



Watchguard™ Wireless Siren & Strobe

Installation Manual

Model: WGSIR-500W

This wireless outdoor siren is a cost-effective outdoor sounder. It features a waterproof, UV resistant & anti-corrosive design with low battery consumption. With the NimH battery, it can last up to 3 days with AC power cut off.

Product Features

- Easily connect the wireless transmitter at up to 100m range
- Loud siren sound with high-visibility strobe flashes
- Dual tamper switch protection for outer casing & wall mount removal
- Internal 7.2V rechargeable backup battery

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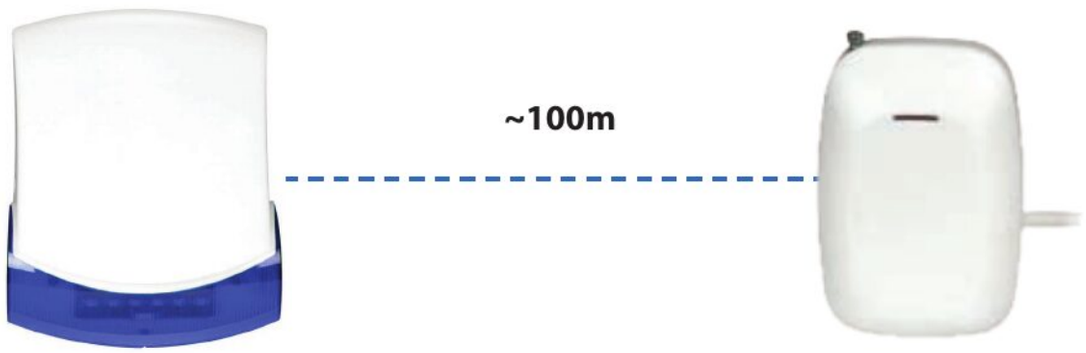
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Specifications

Dimensions	300 x 220 x 65mm
Weight	1kg
Power Consumption	30mA @ 12VDC
Voltage Range	9~15VDC
Backup Battery	7.2V 500mA rechargeable
Siren Current	200mA @ 12VDC
Siren Volume	105±3dB at 1m
Flash Speed	60/min
Flash Current	120mA @ 12VDC
Wireless Signal	315MHz / 433MHz / 868MHz
Timers	5sec. (Test) / 3min. / 20min.
Lifetime	Siren - 8hr usage / Flash: 24hr usage
Operating Environment	-20° to 60°C
Material	Polycarbonate
Case Protection	UV, corrosion & water protection

Wireless Range

The transmitter has a wireless range of approximately 100m. This can vary depending on walls or obstacles between the transmitter and the siren.



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Transmitter Code Learning

1. Connect the transmitter to the green port - RED wire to + (pos.) and WHITE wire to – (neg.)
2. Power the siren unit by connecting the battery. The LEDs will turn on if done correctly.
3. Press the anti-tamper switch. The LEDs will flash alternatively.



4. Press the "CODE LEARNING' button on the siren 4 times. The LEDs will flash alternatively faster, indicating the siren has entered code learning mode.
5. Power the transmitter with the 12VDC 500mA pack (included). The siren will learn the transmitter, indicated by 'LED2' turning ON and 'LED1' turning OFF.
6. Remove the power pack - the siren will sound for few seconds, indicating the transmitter has been coded to the siren unit.
7. Remove the transmitter and connect it to the siren port or pulse trigger output on the Alarm Control Panel.
8. Make sure the 12V power pack and back-up battery are plugged in when the siren is installed.

Factory Reset

To reset the siren to factory default settings, press the 'CODE LEARNING' button 4 times.

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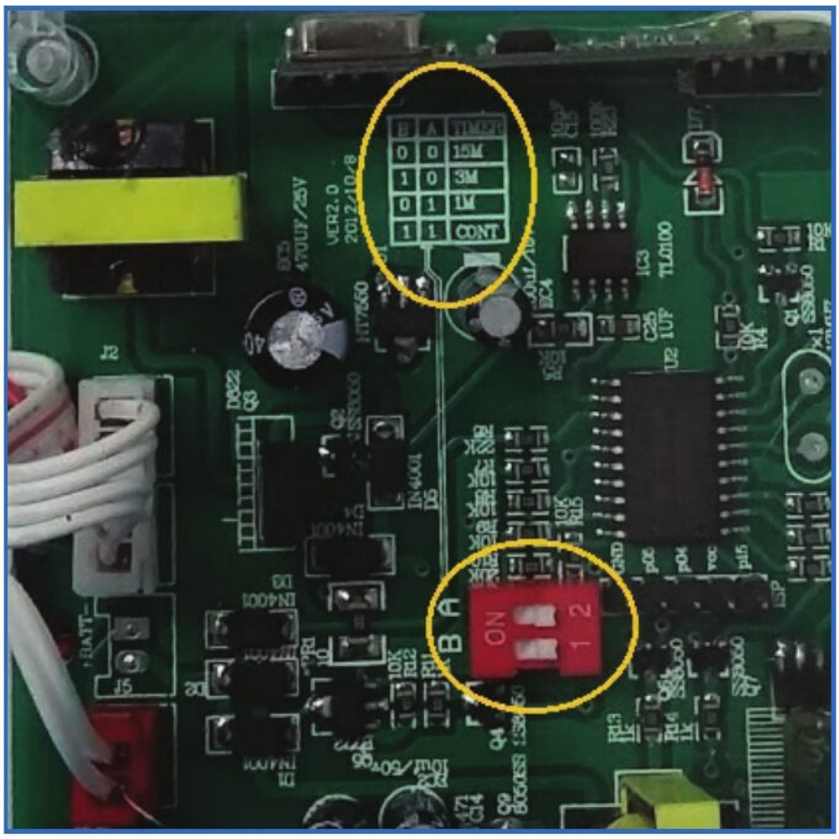
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Cut Off Siren Duration

The red 2-pin DIP switch on the siren adjust alarm time.



1. The top diagram *(top circle)* shows what to set the DIP switches to for the desired siren duration. Refer to the table below for a more detailed description:

Siren Duration	DIP Switch 1 (A)	DIP Switch 2 (B)
15 Minutes	0	0
3 Minutes	0	1
1 Minute	1	0
Continuous	1	1

2. The 2-pin DIP switch *(bottom circle)* has two switches - 1 (A) and 2 (B).
   ON = 1, OFF = 0

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