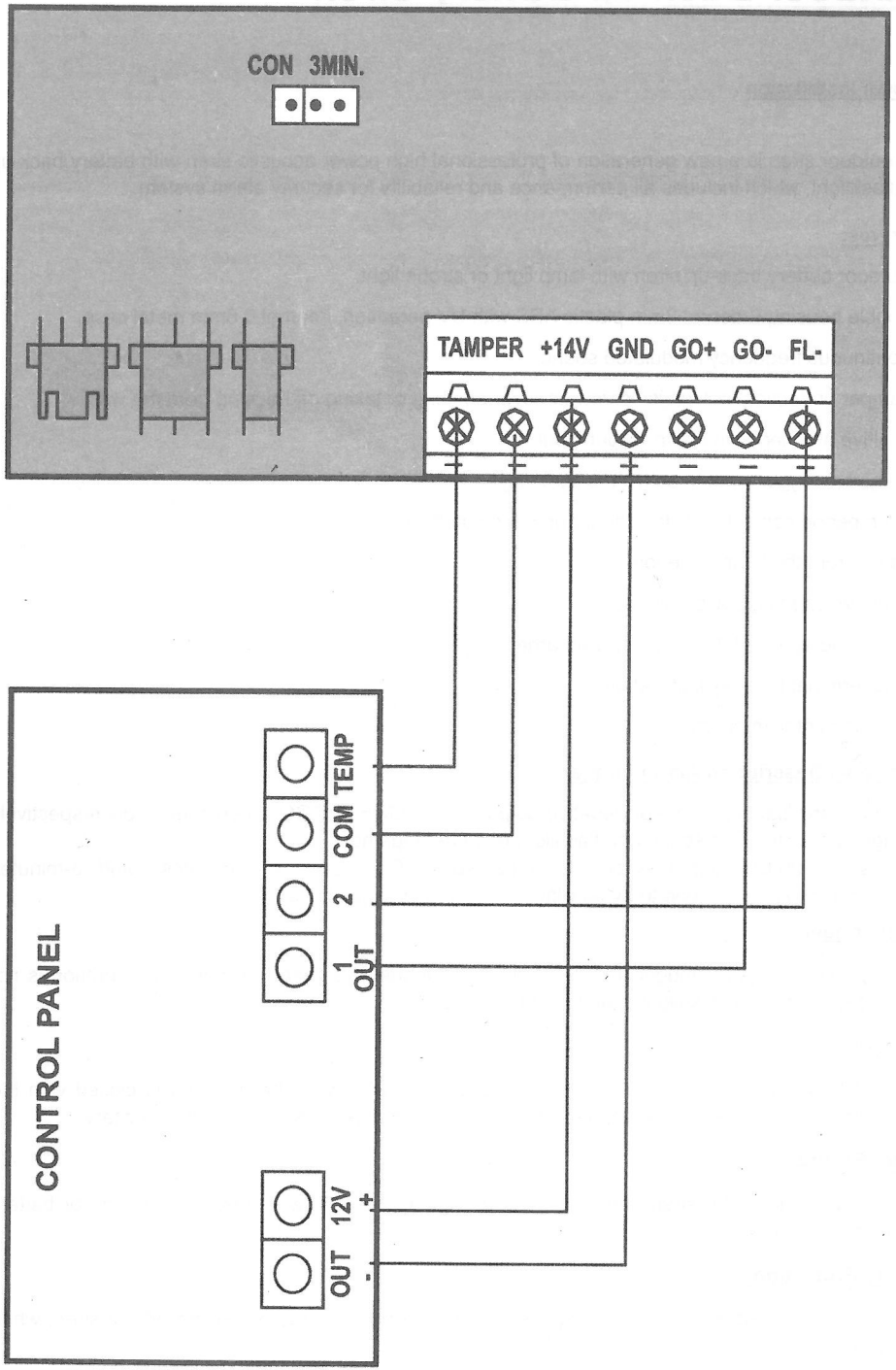
Siren Specifications	
SPL	120db
Fundamental Frequency	1850Hz
Siren Tone	Yelp
Frequency Range	1300-2400Hz
Flashlight	Lamp 12VDC/5W
Power supply Voltage	13.8-14.2VDC
Charge Current Limit	250mA
Current Consumption(Speaker and strobe)	Standby: 8mA
	Alarm 1600mA@13.8VDC
Maximum Power	50W(peak)
Trigger Level	Trigger Low=Max.1VDC
	Trigger High=Min.9VDC
Siren Alarm Period	continous
	3 minutes
Input Impedance(Alarm/Flash/Trigger)	1K ohm
Tamper Switch	N.C 28VDC Maximum current 0.1A-open when cover is removed
Backup Battery	Rechargeable Lead Acid Battery 12VDC up to 4Ah
Low Battery Level	8VDC+/-0.3VDC
Material	External Box: ABS (3mm Thickness)
	Internal cover: zinc plated metal
Dimensions of Unit	L=275mm*W=190mm*H=95mm
Weight(without battery)	1.85Kg
Operating Temperature Range	-30 to +60℃
Case Protection Level	Water splash resistant
	Plastic ABS with UV Protection
	Conformal coated circuit board

REFERENCE WIRING



Outdoor Back-up Battery Siren

Manual Installation

The outdoor siren is a new generation of professional high power acoustic siren with battery back-up and flashlight, which includes all performance and reliability for security alarm system.

Features:

◆Outdoor battery back-up siren with lamp light or strobe light.

◆Double housing:External-3mm plastic ABS with UV perention, internal 0.8mm metal case.

◆Continuous frequency modulated sound.

◆Tamper protection in 3 ways –screw or cover opening or taking off housing from the wall.

◆Positive and negative alarm trigger input.

◆ Negative trigger input to active the light only.

◆Siren period can set as follow trigger or 3 min cutoff.

◆Select from the lamp or xenon.

◆Alarm when main power failure.

◆Protecting against totally battery discharge.

◆Plug terminal for easy installation.

◆Environmental immunity.

Functional Description Alarm Trigger

Applying alarm panel positive or negative output to the "GO+" or "GO-" inputs terminals respectively to trigger the alarm. The sound and flashlight triggered together.
Alarm siren duration dependes on the jumper select. Continuous or 3 minutes cutoff. 3-minutes cutoof timer is recommended to avoid vilation of any local regulations.

Flash Trigger:

Applying alarm negative trigger to "FL-" terminal to trigger the flashlight. Flashlight duration is not limited and the time of flashlight is up to control panel.

Tamper:

N/O and N/C tamper switch is equiped. The default is N/C. While the housing is closed with the screw, the tamper terminals are shorted (0 ohm). User can change N/C to N/O if necessary.

Power Failure:

When power failure, the siren and flashlight are triggered until power supply is restored or battery voltate is less than 8VDC.

Battery Protection:

The siren is supplied with protection against totally battery discharge by cutting off the siren, when voltage level falls down to less then 8VDC.

Installation instructions

1. Choose the mounting location for the siren-the wall must be even and free of hole and excessive protrusions.

2. Mark and drill 5 holes with help of attach drill pattern plate (4 holes for the housing base and 1 for the hanging hole).

3. Open the siren housing (1 screw on the front),and remove the metal cover (2 screws)

> *Important: Cut off the power before you make the connection!*

4. UnPlug the removable terminal, mount the siren housing on the wall. Connect the wires to the terminals.

5. Plug the terminals to your PCB board.

6. Power on the system and check its function properly

7. Connect the back-up battery

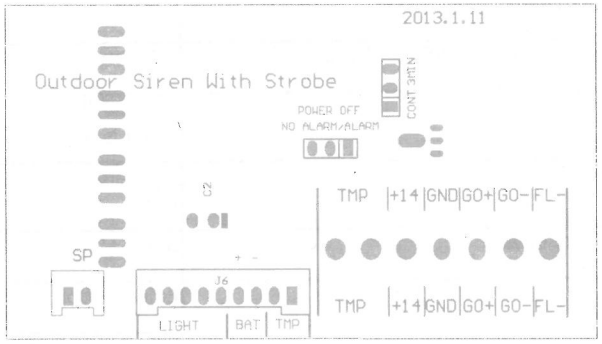
> *Important: keep attention to the polarity of the battery; a reverse polarity can cause damage of the driver circuit.*

8. Mount the metal cover with 2 screws

9. Close the housing with 1 screw.

Terminal Block Connection

fig 1



Terminal 1-Marked "FL-"trigger for the flashlight only, it is connected to the negative output of the alarm system, Active while the input is low.

Terminal 2- Marked "Go-" trigger for the siren and the flashlight, active while the input is negative.

Terminal 3-Marked "GO+" trigger for the siren and flashlight, active while the input is positive.

Terminal 4-Marked the "GND" connect to the ground of the control unit.

Terminal 5-Marked"+14V" connect to a positive voltage output of the 13.6-14.2VDC source (usually from the alarm control unit).

Terminal 6&7-Marked "TMP" if a tamper function is required. Connect these terminals to a 24-hour normally closed alarm zone in the control unit, if the front cover of the siren is opened or siren box is taken from the wall, an immediate alarm signal will be sent to the control unit.