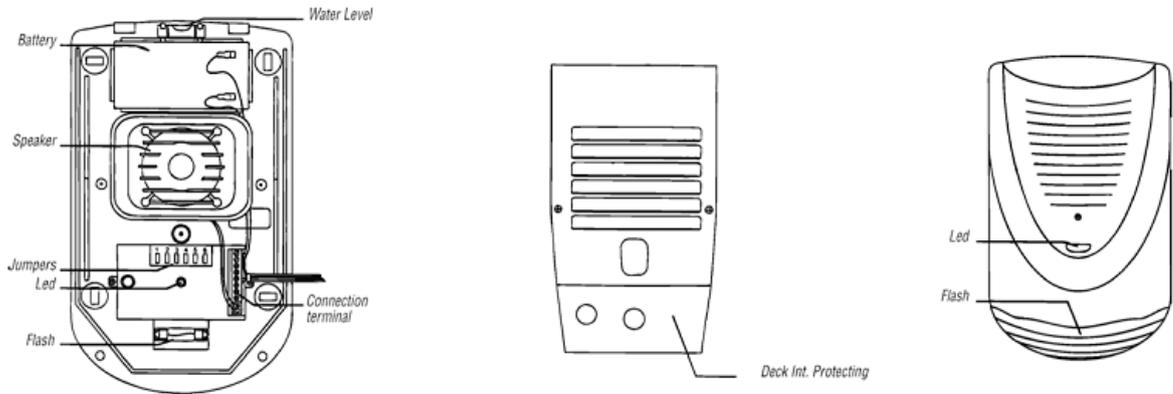


# ES-1 EXTERNAL MULTIFUNCTION INTELLIGENT SIREN



## FEATURE

The ES-1 Multi-function Intelligent Siren is designed for outdoor use made out of strong UV resistant ABS plastic.

It is powered via the control panel by 12V DC, and can accommodate an additional 12V 1.3A backup battery. The siren is microprocessor controlled and communicates with the alarm panel to supports its various functions. It contains an extremely high powered siren and strobe light with a coloured lens and multi-function flashing LED.

Easy to install with such features as built in level and easy clip on armour plate for extra protection.

Chirp notification volume can be adjusted separately from the main activation siren volume.

Programming options for the LED include indicating arm/disarm state or constant flash as an added deterrent to potential intruders.

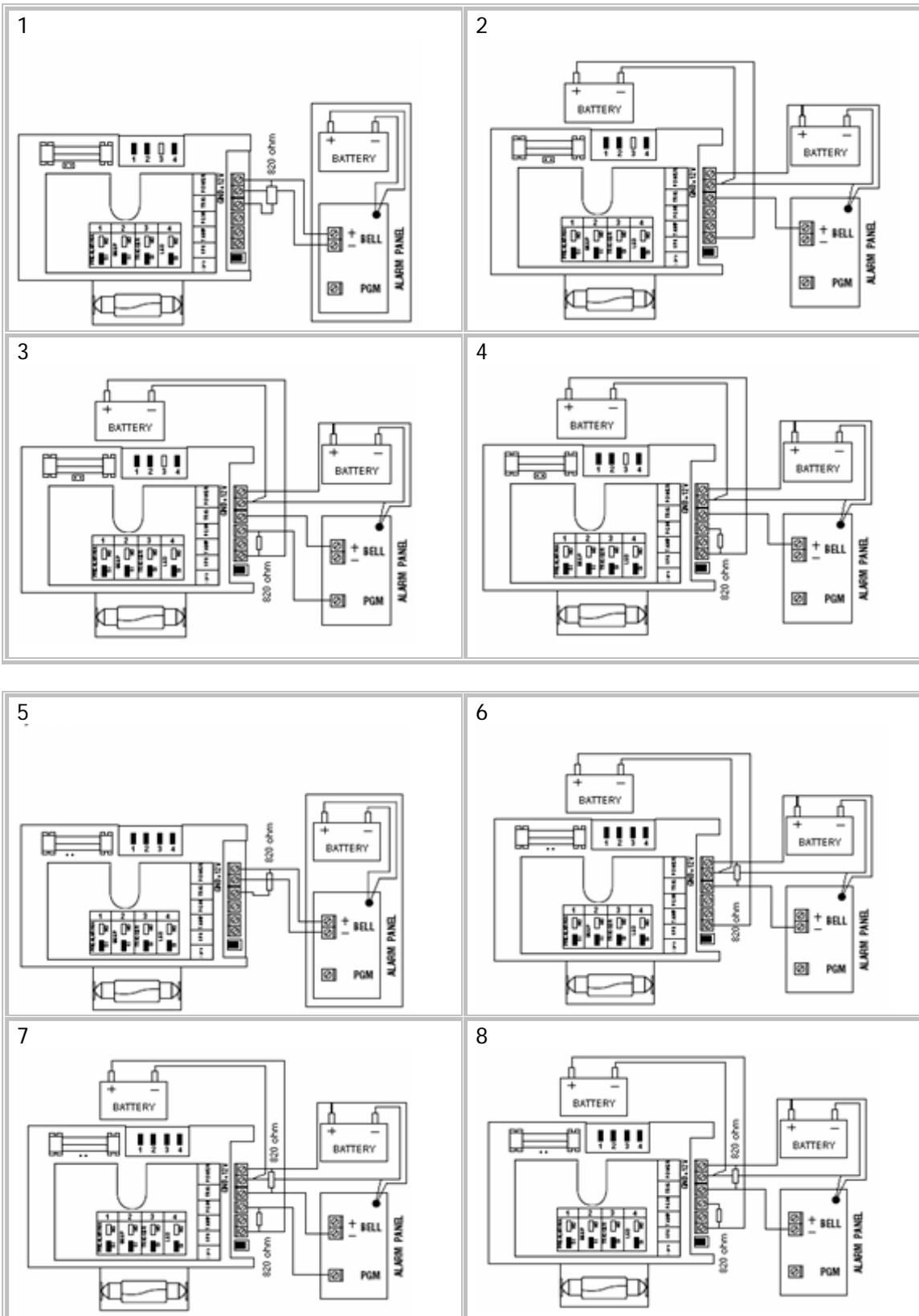
Built in PGM can be assigned many functions..

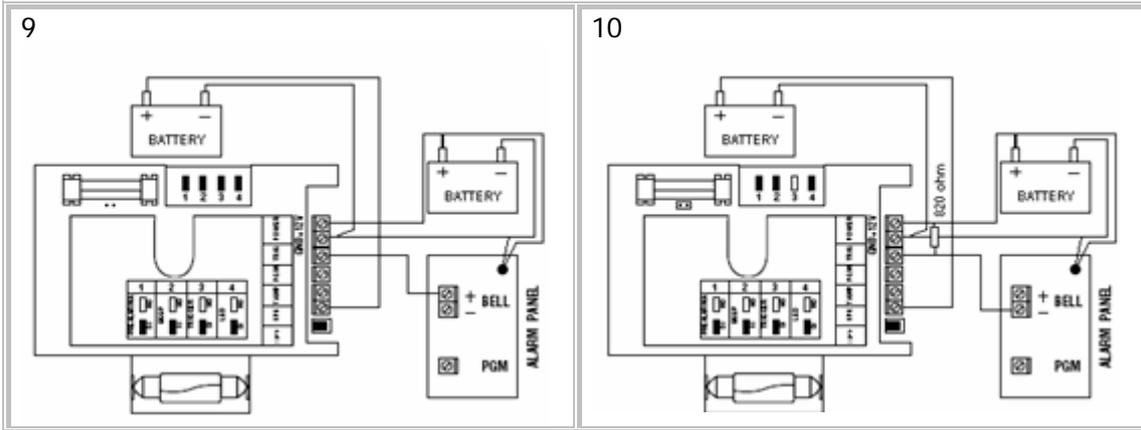
Model	Siren Tone	Flash	Multi-function Led	Battery	Piezoelectric	Dynamic	Water Level	Power supply
ES-1	3	yes	yes	12vdc/1,3ah	-	yes	yes	12vdc

Model	SPL	Static Current	Working Current	Dimension	Weight	Resonant Frequency	Tamper Switch
ES-1	118db	3mA	1,4A	280x170x97mm	1,2 Kg	0,5-3KHz	N.C.

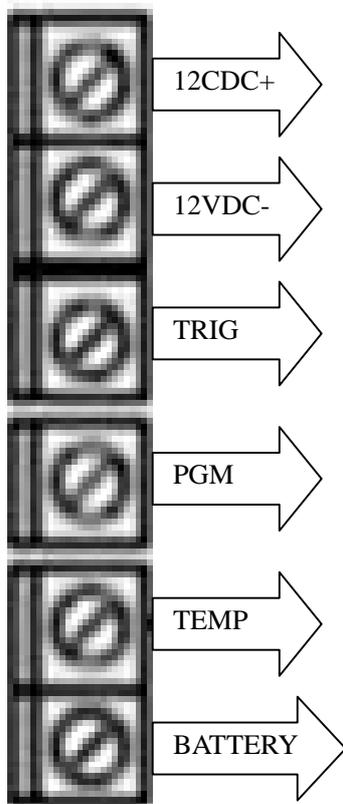
## CONNECTION

To optimise the sirens yield, the length of the wiring should be not over 15 meters





**TERMINAL OF CONNECTION**



**TERMINALS 12VDC+&-:** they are the power terminals.

**TERMINAL TRIG:** Triggering terminal. Different alarm panels have different triggering, the positive or negative terminal can be control by the DIP switch 3, please refer to figure 12

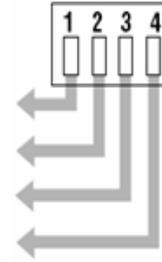
**TERMINAL PGM:** Optional terminal. If the alarm panel has a feed to the siren via UO, the feed can provide the siren with a chirp sound when armed and disarmed. This function can be enabled or disabled by the DIP switch 2, please refer to figure 12

**TERMINAL TAMPER:**

**TERMINAL BATTERY:** Connect to the positive terminal of the backup battery.

## FUNCTION OF DIP SWITCH

DIP SWITCH	ON	OFF
1. Time-lapse alarm switch	Time-lapse alarm	Directly
2. PGM control switch	suggestive sound	No sound
3. Triggering conversion switch	Negative triggering	Positive triggering
4 LED	Led on	Led off



## FUNCTION AND TEST

### 1. LED AND LAMP TEST

Place JP1,2,3,4 to on with 12VDC power connected, (and a negative trigger feed) the siren will start a time-lapse alarm, LED will flash and lamp will light, when they time lapse in complete, the LED light and lamp will both flash. If a positive trigger feed is supplied, the lamp light will light for a short while (about 5 seconds), and the LED will light normally. After the alarm has been activated, the LED and lamp will light alternately. To return the siren to static (standby) state, supply the siren a negative trigger feed.

### 2. TRIGGER TEST

Set JP3 to OFF (the others to ON), if there is no trigger feed, the siren remains inactive and will wait for a trigger feed to alarm. When positive trigger feed is supplied, the siren will start siren warning function.

### 3. ENABLE AND DISABLE SIREN WARNING FUNCTION

Set JP1 switch to ON, to enable or disable the siren warning function.

### 4. ARM/DISARM AUDIBLE WARNING

Setting JP2 to the ON position will enable chirp confirmation for arming and disarming the system.

### 5. POWER FAILURE ALARM

If the backup battery is connected and power is interrupted from the control panel then the siren will go into alarm state suspecting tamper (no matter what configuration the DIP switch is in)

### 6. AUTOMATICALLY CHARGE THE BACKUP BATTERY

If the Green LED lights, this indicates low battery (<8V), and the siren will charge the battery automatically.

### 7. AUTOMATIC AUDIBLE NOTIFICATION THAT ALARM HAS BEEN ACTIVATED

Should the alarm go into alarm state and the siren time out (ie alarm self resets) the deactivation of the alarm will produce a unique notification chirp and flash alternately to advise of the activation.