3000 Modular alarm

Fitting & User Instructions

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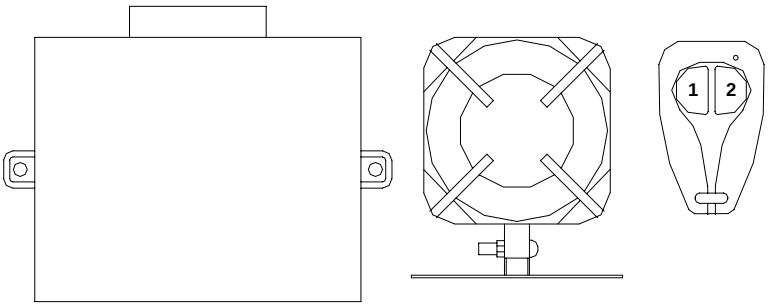
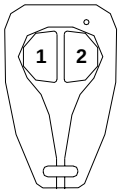
System Components

1	3018 Modular unit
1	3090 Ultrasonic Sensors
2	3072 Remote control
1	3063 Siren
1	Wiring Harness
1	Accessories pack – Bonnet switch, Key rings, Led collar



Basic Functions

Remotes 3072 (Fig1)



Button 1:

a. (Chirps on during arming of the system) press button -1 once

b. Boot release function, press button-1 for 2 seconds.

Button 2:

a. Silent Arm/Disarm, press button-2 once

b. Panic function, press button-2 for 2 seconds.

Arming the alarm:

Press button 1 of the remote control

a. Siren chirps once

b. Indicator lights flash once.

c. Doors lock (if connected)

d. LED lights **e.** Engine is immobilized (if connected)

Disarming the system:

Press button 1 of the remote control to unset set the system

a. Siren chirps twice

b. Indicator lights flash twice.

c. Doors unlock (if connected)

d. LED turns off.

Last door arming:

The alarm will automatically arm itself 30 seconds later after ignition has been turned off and the last door has been closed. (If feature selected)

Automatic Re-Arming of the alarm:

The alarm will automatically re-set itself within 60 seconds after the system has been disarmed, provided that no doors have been opened or the ignition has remained off. (If feature selected)

Panic:

Press button- 2 for 2 seconds and the siren sounds.

Boot Release:

Press button-1 for 2 seconds; the parking lights will flash 10 times and the boot will open (if connected).

NOTE: A separate relay and solenoid may be required.

Auto Lock / Unlock:

When the ignition is on and the foot brake is applied twice the doors will lock (if connected) if the doors are then opened and the ignition remains **on** the doors will re-lock when the foot brake is re-applied for a second time.

Emergency disarm/override:

The alarm system will be disarmed whenever the remotes are lost or inoperative by carrying out the following procedure: -

a. Open then close the doors and within 30 seconds turn the ignition **on** and **off** 10 Times .
After a further 30 seconds the alarm will then switch off.

b. The indicators will flash for a further 180 seconds

c. If the above code is incorrectly entered then start again.

Anti – Hi-jack (selectable):

If the car door is opened the anti hi-jack function is operated; this will, unless the hidden button is not depressed, after 15 seconds flash the indicators and, the siren will chirp. After a further 60 seconds the starter circuit/engine immobiliser will cut in. Also the LED will flash quickly and the doors will unlock. To deactivate depress the hidden push button.

Diagnostic Functions

1. Arming Delay
When the alarm system is armed the LED remains solid RED for 40 seconds the LED will the start to flash this indicates that the system is fully armed.

2. Alarm Trigger
Any circuit can be triggered a maximum of three times during any one armed condition it will then be isolated and remain so until the alarm system is re- armed.
3.Shock sensor
a. A slight knock/vibration that is detected by the alarm system will cause the siren to chirp 5 times if the sensor detects another knock/vibration within 15 seconds of the first one the alarm will be triggered.

Table 1. Fault detection

If the alarm detects a fault with the system upon arming number of chirps will be emitted from the siren 4 seconds after arming and the table below will indicate which circuit is the problem.

No.	Triggered sector	Indication
1	Door	Siren chirps 1 time
2	Boot/Bonnet	Siren chirps 2 times
3	Shock sensor	Siren chirps 3 times
4	Ultrasonic sensors	Siren chirps 4 times
5	Ignition	Siren chirps 5 times
6	Voltage drop sensing	Siren chirps 6 times
7	Optional sensors	Siren chirps 7 times

Table 2. Verification of an alarm detection

If an alarm condition has been generated and the alarm is then subsequently disarmed the LED will display a code to the owner when the ignition is applied the table below will indicate which circuit has been activated.

No.	Trigger sector	LED Indication
1	Doors	Flashes 1 time
2	Boot/Bonnet	Flashes 2 times
3	Shock sensor	Flashes 3 times
4	Ultrasonic sensors	Flashes 4 times
5	Ignition detection	Flashes 5 times
6	Voltage drop sensing	Flashes 6 times
7	Optional sensors	Flashes 7 times

Table 3. Functions and adjustments

Method of Programming and adjusting the Functions
Within 20 seconds after the system is **disarmed**, turn the ignition **ON**
Then press button-**1** of the remote control the number of times as listed in table below for selection of the functions to be adjusted.
Turn ignition **OFF** once this selection has been made the indicators will flash the number of the selection to be adjusted.
The text following will describe how to adjust a specific feature.
NOTE: With features 6,7,8,9,10,11 the position of the feature is shown when the remote has been pressed the set number of times by a single or double flash of the indicators.
If you are required to change the selected feature you just enter the same feature for second time and the adjustment is automatically switched.

TABLE 3

No off times remote is pressed	Optional Function	Indication	Factory pre-set
6	Alarm override function	On flash once Off flash twice	OFF
7	Voltage drop sensing ON / OFF	ON, flash once. OFF, flash twice	OFF
8	Last door arming ON / OFF	ON, flash once. OFF, flash twice	OFF
9	Automatic re-arm ON / OFF	ON, flash once. OFF, flash twice	ON
10	Anti Hi Jack	ON flash once. OFF flash twice	OFF
14	Central locking **lock** adjustment	Flash 14 times Adjustable 1 to 40 seconds	1 second lock as std
15	Shock sensor adjustment	Flash 15 times adjustable (25 min to 0 max)	Set low as default
16	Ultrasonic sensor adjustment	Flash 16 times adjustable (25 min to 0 max)	Medium setting default
18	Central locking **un-lock** adjustment	Flash 18 times Adjustable from 1 to 5 seconds	1 Second default

4. Sensitivity Adjustment of shock sensor

To adjust the shock sensing please follow Shock sensor adjustment listed in the table above.

When system is placed in this adjustment mode, the indicators will flash 15 times for identification. Beginning from the end of the scale 0.

The sensitivity can be adjusted by pressing button- 1 and button- 2, a total of 25 adjustments can be adjusted, and the sensitivity will be adjusted

NOTE the default is **Low**

By pressing button 1 the sensitivity is reduced.

Button 2 can be used to increase the adjustment. As the system is adjusted the siren will chirp each time an adjustment is made.

When the adjustment is complete turn the ignition on within 15 seconds and this will store the setting.

NOTE you must apply the ignition within 15 seconds to save the setting or the alarm will save the last setting.

5. Adjusting the ultrasonics

Please follow Table 3 above to enter this mode

When you enter this mode the indicators will flash 16 times to indicate the correct feature to be adjusted Beginning from 0 scale (the default is the 4th scale)

The sensitivity can be adjusted by pressing button- 1 and button- 2, a total of 25 adjustments can be adjusted, and the sensitivity will be adjusted

Button 1 will decrease the sensitivity of the ultrasonics.

Button 2 will increase the sensitivity of the ultrasonics. As the system is adjusted the siren will chirp each time an adjustment is made.

When the adjustment is complete turn the ignition on within 15 seconds and this will store the setting.

NOTE you must apply the ignition within 15 seconds to save the setting or the alarm will save the previous setting.

6.Central door locking (Adjustment of lock and unlock pulses)

It is possible to adjust both the lock and unlock pulses on the central door locking by entering the lock or unlock section of table 3 above.

NOTE: Button 1 increases the Lock or Unlock pulse and button 2 decreases the Lock or Unlock pulse.

The default is for a 1 second lock and a 1 second unlock pulse.

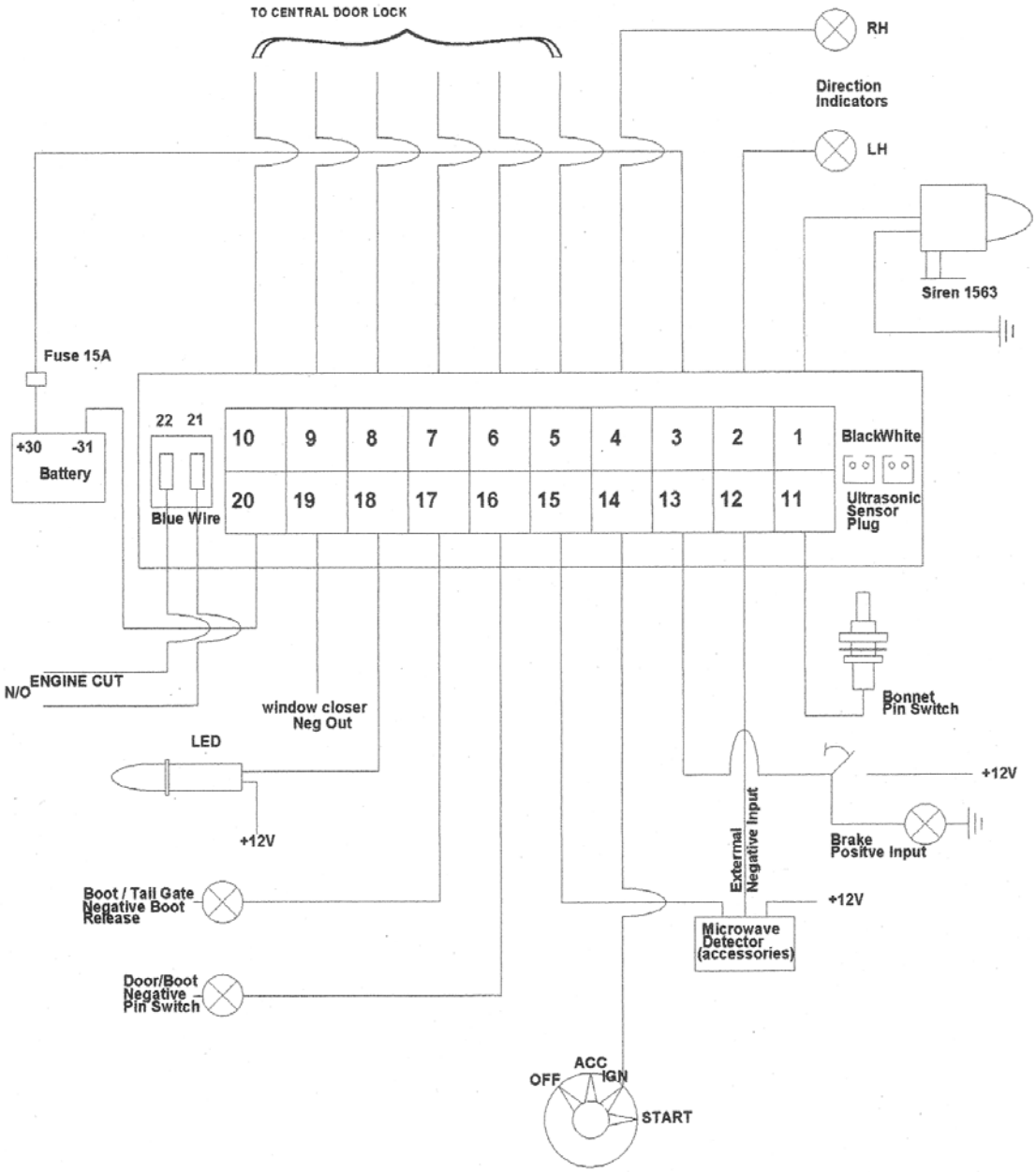
7.To cancel Ultrasonic/Shock sensor

Press button-1 or button 2 to arm the system and within 3 seconds press either button for a second time the siren will then chirp once to confirm that the ultrasonics have been disabled for 1 cycle only.

PIN	COLOR	FUNCTION
1	YELLOW	SIREN POSITIVE OUT
2	GREEN	LEFT INDICATOR
3	RED	POSITIVE
4	GREEN	RIGHT INDICATOR
5	BLACK/BLUE	UNLOCK N/C
6	GREEN/YELLOW	UNLOCK COMMON
7	RED/BLUE	UNLOCK N/O
8	BLUE/YELLOW	LOCK N/C
9	RED/GREEN	LOCK COMMON
10	BLACK/GREEN	LOCK N/O
11	PURPLE	BONNET
12	GREY	NEGATIVE INPUT
13	BROWN	BRAKE LIGHT SWITCHED POSITIVE
14	WHITE/GREEN	IGNITION LIVE
15	WHITE/YELLOW	NEG OUTPUT (Microwave ECT)
16	PINK	DOORS
17	WHITE/RED	BOOT RELEASE (NEG OUT)
18	BLUE	LED
19	ORANGE	WINDOW CLOSER (NEGATIVE)
20	BLACK	NEGATIVE
21	BLUE	ENGINE CUT (STARTER CUT)
22	BLUE	ENGINE CUT (STARTER CUT)

3000 Modular Alarm

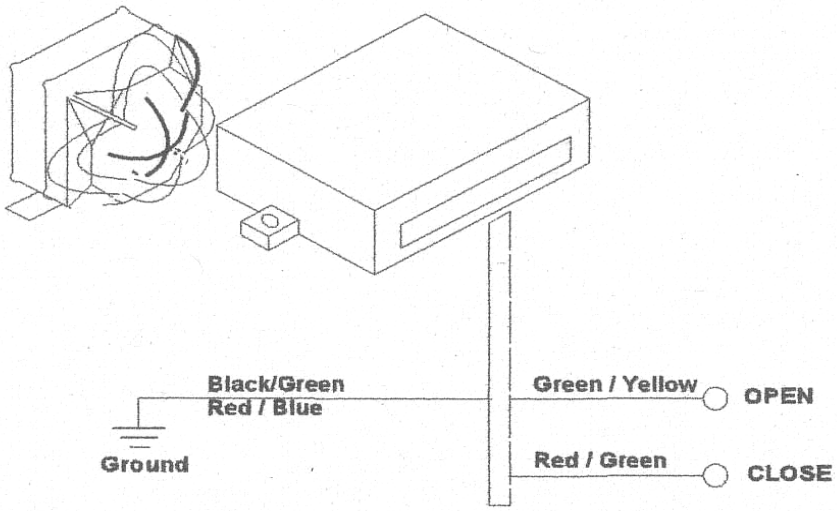
Installation Diagram



3000 Modular Alarm
CDL & Total Closure
Activation Diagrams

Vehicles incorporating CDL with NEGATIVE CONTROL

Diagram 1

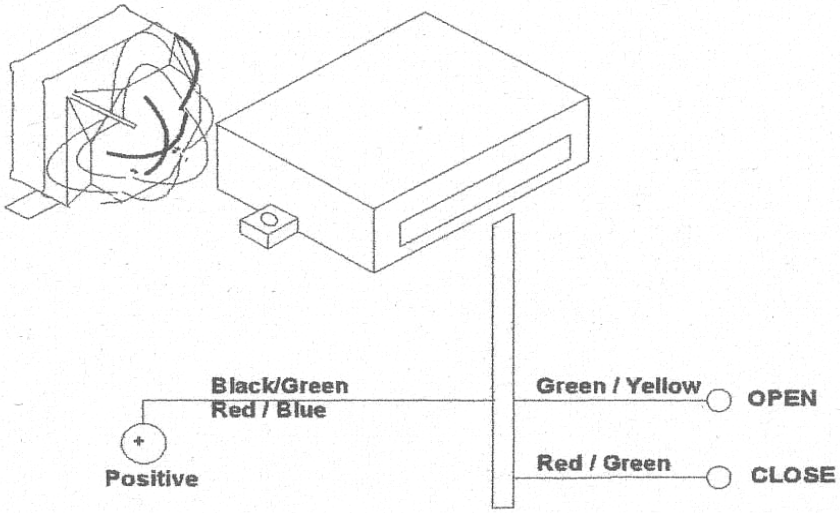


Negative Pulse CDL

Note - 1 second lock and unlock pulse is required. Pulse can be extended for total closer systems.

Vehicles incorporating CDL with POSITIVE CONTROL

Diagram 2

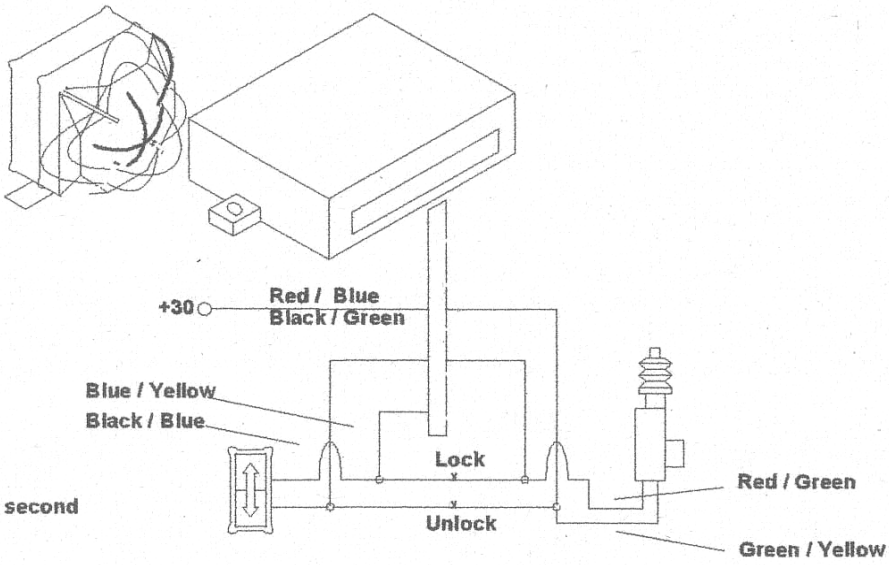


Positive Pulse CDL

Note - 1 second lock and unlock pulse is required. Pulse can be extended for total closer systems.

Vehicles incorporating CDL controlled by an original switch

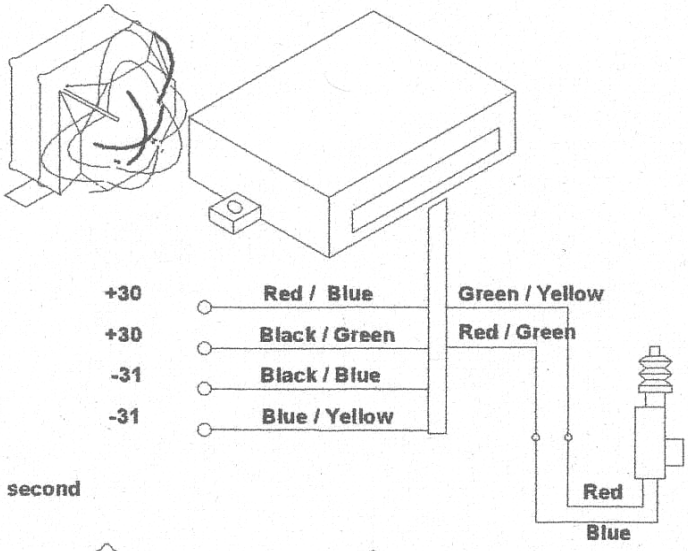
Diagram 3



Note - 1 second lock and 1 second unlock pulse is required.

Vehicles without locking motor on driver's side

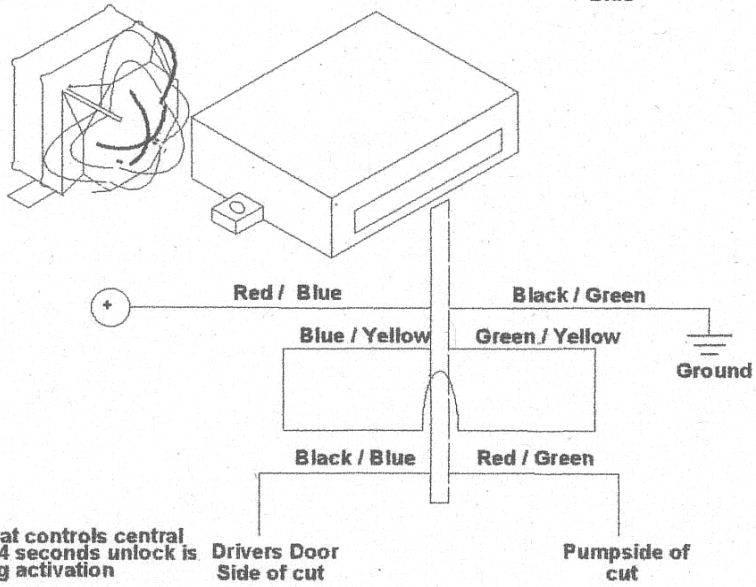
Diagram 4



Note - 1 second lock and 1 second unlock pulse is required.

Vacum CDL

Diagram 5



Note - Cut wire to pump that controls central locking, 4 seconds lock + 4 seconds unlock is required for central locking activation

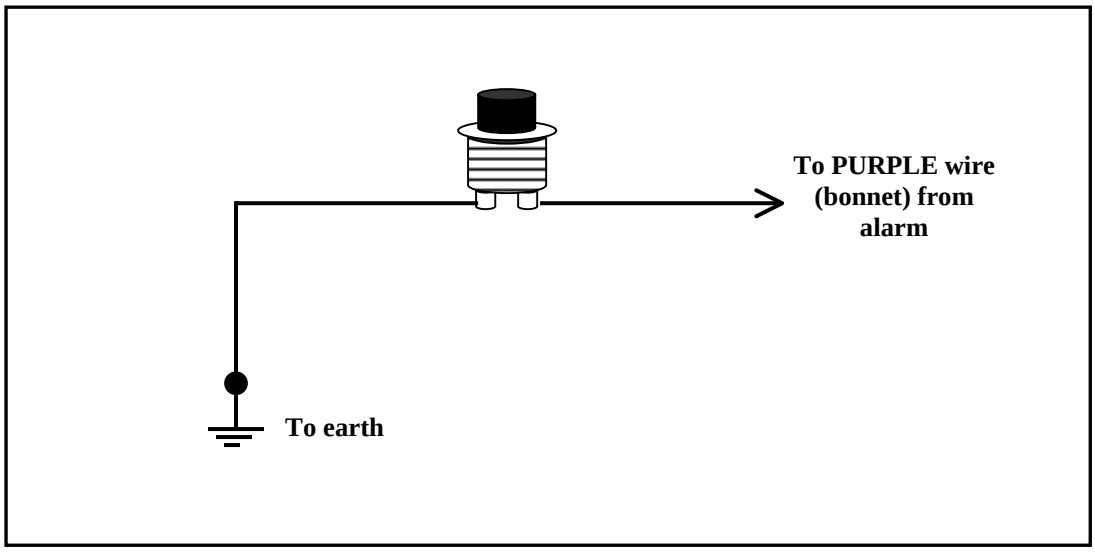
Single wire locking
(Neg. pulse) Open Circuit to unlock - Negative lock

Black/Green	Earth -31
Red/Green & Green/Yellow	To relay side of cut control wire
Black/Blue	To door side of cut control wire

Single wire locking (neg. pulse) Open Circuit to lock - Negative unlock

Red/Blue	Earth -31
Red/Green & Green/Yellow	To relay side of cut control wire
Blue/Yellow	To door side of cut control wire

Anti Hi-jack button wiring



Scorpion 3000 alarm with JS3064GA Battery back – up siren

Connect the wires as shown in the following table

Wire Colour	Connect to:
RED	+30 via 5amp fuse
YELLOW	YELLOW from alarm
GREEN	Not used (insulate)
BLUE	Not used (insulate)
BLACK	- 31 earth

Technical Information & Specification

Replacing the Remote batteries

a. Unscrew the two case screws

b. Hinge the case apart

d. Remove the old batteries from between the battery springs

e. Replace the lithium batteries CR2032 as show in figure 2

f. Replace rear cases and screw both screws back

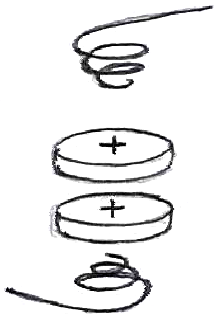


Fig2

Operating voltage	9 to 15VDC
Operating temperature	-40 to +85 ºC
Current consumption (set)	<11mA
Siren acoustic level at 1m	>110dM(A)

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