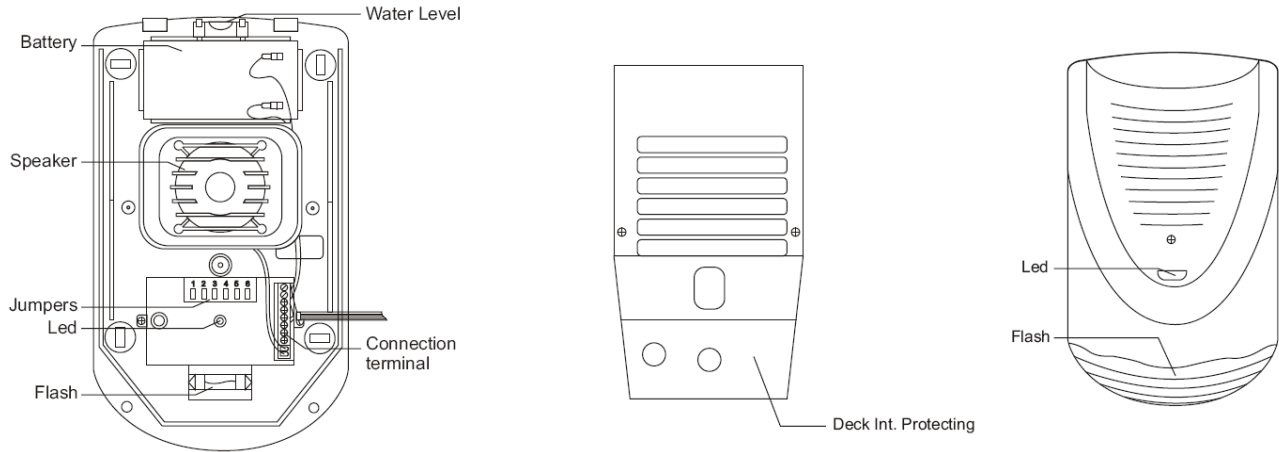# RECOMMENDATIONS FOR THE INSTALLATION

To optimize the siren's yield, it should be avoided to carry out wired very extensive, since the same one generates a fall of tension which produces a loss of power. For a maximum yield, the longitude of the cable should not overcome the 15 meters.

INSTALLATION

Once connected the cables of TRIGGER PGM and TAMPER, the siren should be energized through the tension that supplies the battery of the control panel.

Model	Siren's Tone	Flash	Multifunction Led	Battery 12V-1.2AH	LEDs Flash	Dynamic	Water Level	Power supply
400L	3	Yes	Yes	Optional	Yes	Yes	Yes	12 VDC
400A	3	Yes	Yes	Optional	No	Yes	Yes	12 VDC

Model	SPL	Standby Current	Working Current	Dimensions	Weight(Kg.)	Working Frequency	Tamper Switch
400L	118 dB	5 mA	1.4 A	280x170x97	1.2	0.5-3 KHz	N.C
400A	118 dB	5 mA	1.4 A	280x170x97	1.2	0.5-3 KHz	N.C

The four LED lights at front will flash, when control board is armed. (Only used for 400L)

TERMINALS OF CONNECTION

Terminals: TRIGGER By means of this input the trigger of the siren is controlled. The same one should be connected to the BELL OUTPUT of the panel control. If the Bell Output of the control panel supply + 12 VDC, the terminal trigger should be connected the positive terminal of Bell and the Jumper No 3 it should be removed. If the Bell Output of the control panel supply GND, the terminal Trigger should be connected the negative terminal of Bell and the jumper No 3 it should be placed.

Important: For a proper protection, don't forget to place a 2A fuse.

Terminals: PGM This input can be used to indicate if the control panel is armed or disarmed.

The terminal PGM should be connected to the output of the panel that indicates the state (Armed or Disarmed). If this output supplies + 12 VDC when the control panel is armed.

When the control panel is armed, the siren will generate a beep of low volume and the Multifunction LED will begin to blink to indicate that state. In the moment that the control panel is disarmed, the siren will generate two beep's of low volume and the Multifunction LED will stop to blink indicating the disarming of the panel. To cancel the Beep's the Jumper No. 2 should be removed. To cancel the Multifunction LED, the Jumper No. 4 should be removed.

RECOGNITION of BEEPs: If the control panel emits Beep's when it's armed or disarmed, it is not necessary to connect the terminal "PGM" of the siren to indicate the panel control state, since the siren can recognize this Beep's and to manage in automatic form to the Multifunction LED. When the siren detects a Beep in the Trigger's input, it generates a sound of low volume and the Multifunction LED begins to blink indicating that the control panel is armed. And when two Beep's are detected in the Trigger's input, the same one will generate two beeps and the Multifunction LED will stop to blink, indicating this way that the control panel is disarmed. So that the siren recognizes the Beep's the Jumper No.2 should be removed. If' the Jumper No. 2 is placed, each Beep that the siren detects in the trigger's input will be siren's trigger.

PRE-ALARM: If the Jumper No 1 is placed, every time that the siren begin to sound will generate tones of low volume that will go increasing in power and speed during a period of 15 seconds, warning that an alarm occurred. After having lapsed this time, the siren will begin to sound with its maximum power. To cancel this function, the Jumper No 1 should be removed.

MEMORY OF ALARM: (Light and sound): Every time the siren stops to sound, it will remain during a period of 30 minutes lighting and turning off in sequential form to the flash and the multifunction LED.

After having lapsed this time, the flash will turn off and the multifunction will begin to blink very quickly.

In anyone of these moments, if the control panel is disarmed, the siren will generate a musical sound of 3 tones indicating that an alarm occurred. The alarm memory will be activated in automatic form yes and only yes the terminal PGM has been connected from the siren to the output of the control panel that it indicates the state (Armed/disarmed). It will also be activated if the control panel emits Beeps when it arm or disarm.

SPECIFICATIONS

• To enable the pre-alarm function, the jumper No 1 should be placed. To disable the pre-alarm this Jumper it should be removed.

• If the Jumper No 2 is placed, the siren will generate Beep's of low volume

• If the Jumper No 2 is placed, the siren won't recognize the Beep's

• Therefore it only indicate that the control panel is armed or disarmed if the PGM is connected.

If the Jumper No 2 is placed, the siren will recognize the Beep's in the "TRIGGER INPUT" and it will manage in automatic form to the Multifunction LED. This means that when the control panel is armed and a Beep is generated in siren's output, the siren will indicate that the control panel is armed (The Multifunction LED will be blinking). And when the control panel is disarmed, and the same one generates two Beeps in siren's output, the Multifunction LED will stop blink (The Multifunction LED will remain turn on). When the control panel be armed or disarmed.

• If the Jumper No 3 is placed, the siren will trigger by negative. This means that the siren will be trigger whenever that "TRIGGER INPUT" there is not + 12 VCC. Therefore, so that the siren doesn't sound, you should be supply in this input a positive tension, and when you retires the same one, or this input is supplied a negative tension level (GND), the siren will begin to sound.

• If the Jumper No 3 is removed, the siren will be set so that it triggers by positive. This means that so that the siren sounds, a positive tension level should be supplied in the "TRIGGER INPUT". So that the siren doesn't sound, this input should be referred to ground (Negative) or it not has any tension.

• By means of the Jumper No 4 is enabled or disabled the Multifunction LED.

NOTES

Ⅰ.If any of line is broken or Magnetic Contact, PIR sensor gets Signal, Siren will make sound.

Ⅱ. Our Standard Control Panel 728 (Paradox).

Ⅲ. If you have different control panel, Please check your manual of Control panel.

Ⅳ. If when your mainframe is connected with BELL (-), it is not at the state of being armed and is alarming all the time, please join in the relay transition.

CONNECTION GENERAL DIAGRAM