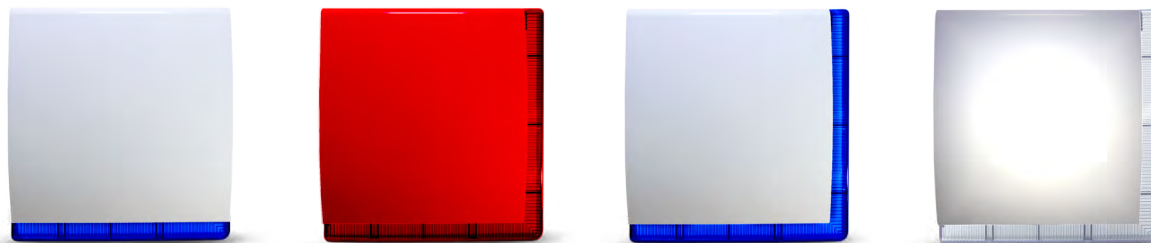




INSTALLATION AND CONFIGURATION MANUAL



EN

INTRODUCTION

LYRA STD, LYRA LUMINA, VEGA STD, VEGA PLUS and VEGA LUMINA are a new generation of Maxalarm products, an outdoor siren equipped with high intensity strobe flash using LED technology, being recommended for use with intruder alarm systems and fire detection systems.

VEGA FIRE is a new generation of Maxfire product, an outdoor siren for fire alarm systems of type B.

BASIC FEATURES:

- External siren with LED Flash;
- High impact resistant PVC casing with UV protection coating;
- Modulated sound;
- Dual anti-tamper protection for front and back;
- Acoustic or Visual trigger by positive or negative input (appliance/removal);
- Independent Flash-only trigger inputs;
- Support for 6V 1.3Ah backup battery (not included in VEGA FIRE);
- Sounder time controlled by control panel input or by Built-in cut-off timer for 3 or 15 minutes;
- Standby signaling pattern on LED's;
- Arm/disarm notification feature with dedicated input;
- Easy, Fast and Versatile installation - one climb;
- Environmental Immunity.
- Backlight led (Lumina only)

OPERATION DESCRIPTION:

The alarm tone is activated by the input of positive or negative tension on the TRIGGER+ or TRIGGER - terminals respectively. This input can be configured as signal appliance or removal on the PCB by a jumper on the correct position (apply/remove).

The alarm duration depends on 3 variables:

- "Follow Trigger mode" in which the siren actuates whilst the corresponding trigger input is being energized (in all models).
- Timer Mode 3 min.
- Timer Mode 15 min.

The flashes can be operated independently, energizing the + or - terminals marked as STROBE. Flash will remain active during the set time on the control panel, without any limitation. This feature can be very useful on noise-restricted locations, and the alarm flash might only be stopped after the alarm system being re-armed by the user. The Jumper APPLY/REMOVE should be configured whether the the strobe operates on appliance or removal.

ANTI-TAMPER PROTECTION

VEGA sirens have anti-tamper protection that combine the following elements:

- Cable circuitry;
- Removal of front cover;
- Removal of the wall where the siren is installed.

The protection circuit is normally closed and its connected to the TAMPER terminals.

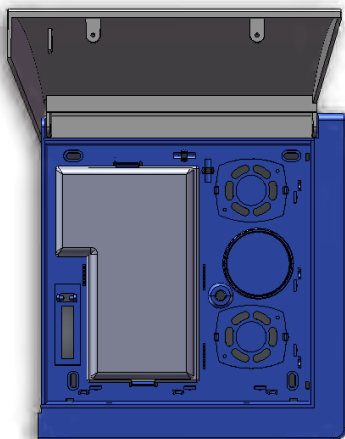
The circuit is established between the respective terminal and a negative terminal. The tamper circuit has a LOOP connection to connect additional sirens or other tamper protected devices, and a RTR (re- turn) to connect to the last device on the tamper protection circuit.

The Backlight LED lights up automatically. The Siren uses the light sensor to check if the ambient light is limited and starts the backlight LED. This only occurs when primary supply is present.

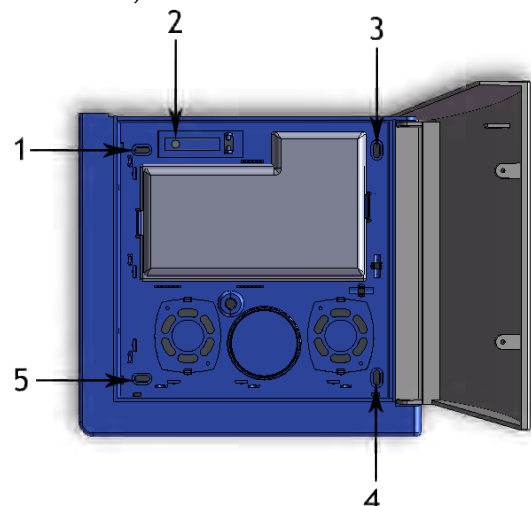
If a power failure occurs, the siren will be activated using the backup battery as power source during the time previously set on the built in timer.

INSTALLATION

- Select the location to install the siren. You should preferably choose a good visibility location, ensuring that the surface to be tighten to is not too irregular.
- Mark the fixing holes, and prepare the drilling procedure using the adequate tools and protections.
- Remember, your safety comes first!
- Open the siren lifting the lid;
- Fasten the siren to the wall using the fixing bits supplied, or other of similar or superior capacity, that are properly adjusted to the installation requirements;
- Connect the wires to the terminal block in accordance with the schematic of pic.1 (see page 3);
- Check the correct configuration of the option selection jumpers;
- Connect the backup battery terminals (the siren will signal the connection with a short beep);
- Close the lid and tighten the bottom screws;
- Power up the siren from the control panel, or power supply;
- Perform a functional test of the system;
- Install the siren in the correct position as shown in the pictures below;



FIXING HOLES



IMPORTANT NOTE:

The fixing hole nº2, should be used with auxiliary chesehead screw supplied with the siren.

CONFIGURATIONS

LYRA STD/LYRA LUMINA/VEGA STD/VEGA PLUS/VEGA LUMINA sirens have a few adjustments of parameters that can be easily performed using the jumper terminals supplied.

IMPORTANT NOTE:

In case of Vega FIRE siren, the schematics of the control panel used should be consulted in terms to make the correct installation.

In this model should be made a shunt between the terminals “trigger” and “supply” in order to make the siren sound when powered on.



ALARM TONES

LYRA/VEGA siren have 4 different tones.

The different tones are achieved with different combinations of the SND jumpers (the bottom 2 jumpers of the jumper stripe) on the board.

SOUND 1= Both Jumpers OFF

SOUND 2= Jumper SND2-SND1 ON, and Jumper SND4-SND3 OFF

SOUND 3= Jumper SND2-SND1 OFF, and Jumper SND4-SND3 ON

SOUND 4= Both Jumpers ON

Vega Fire model has only one tone available.

WIRING SCHEME

This scheme show a configuration where the control panel triggers the siren with negative input. Depending on the equipment you use the wiring scheme may differ. Please refer to your control panel manual in order to properly configure the signaling outputs for alarm/strobe and arm/disarm status.

JUMPER CONFIGURATIONS

TMP N_ACT - ACT

ON= Tamper disabled
OFF = Tamper enabled

TIME 3MIN - 15MIN

ON= 3 minutes timer
OFF= 15 minutes timer

TMP LP N_ACT - ACT

ON= Tamper loop inactive
OFF = Tamper loop Active

FLASH CFG1 - CFG2

ON= Flash Pattern 1
OFF= Flash Pattern 2

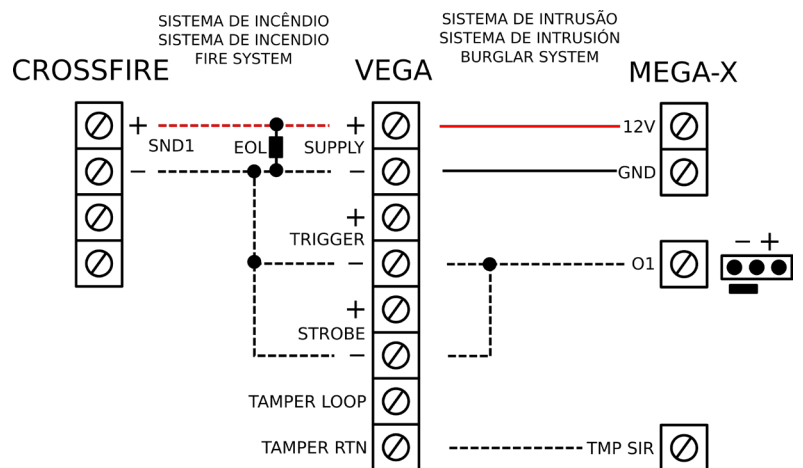


Fig. 1

TECHNICAL SPECS

	VEGA/LYRA STD	VEGA PLUS	VEGA/LYRA LUMINA	VEGA FIRE
Sound Level	112 dB	112dB	112dB	92dB
Audio Frequency	5000Hz	5000Hz	5000Hz	3000Hz
Tones	4 selectable tones			1 (Yelp)
Piezos	2	2	2	1
Flash	1 high brightness LED bar (5 LED's)	2 high brightness LED bars (10 LED's)		1 high brightness LED bar (5 LED's)
Backlight	-----	-----	1 high brightness LED	
Arm Signaling	1 flash + 1 beep			Not available
Disarm Signaling	1 flash + 2 beeps			
Power Supply	12V DC (EN50131-6)			24V
Backup Battery	6V 1.3Ah			Bat. not included
Standby Current	41 mA			
Alarm Consumption	230 mA	350 mA	350 mA	190 mA
Max. Power	4W	5W	5W	4W
Timer	3 min / 15 min selectable			Not available
Tamper Protection	Cover and Wall Microswitch. Normally closed circuit			Not available
Dimensions	260 x 275 x 55 mm			
Weight (w/ battery)	1425 gr.	1437 gr.	1437 gr.	1044 gr.
Operat. temperature	-30°C a 70°C			
IP Protection Level	IP44			
Classification	EN50131-4 Grade 3 /Environmental Class - III			EN54-3 Type B
<i>Specifications might be changed without prior notice</i>				

WARRANTY POLICY AND CERTIFICATE

This Warranty Certificate is given in favor of the purchaser (hereunder the "Purchaser") purchasing the products directly from Maxalarm/Max Technologies or from its authorized distributor.

Maxalarm/Max Technologies warrants these products to be free from defects in materials and workmanship under normal use and service for a period of 24 months from the invoice date where the corresponding serial numbers are issued (hereunder the "Warranty Period"). Subject to the provisions of this Warranty Certificate, during the Warranty Period, Maxalarm/Max Technologies undertakes, at its sole discretion and subject to internal procedures, as such procedures are from time to time, to repair or replace, free of charge for materials and/or labor, products proved to be defective in materials or workmanship under normal use and service. Repaired products shall be warranted for the remainder of the original Warranty Period.

All transportation costs and in-transit risk of loss or damage related, directly or indirectly, to products returned to Maxalarm/Max Technologies for repair or replacement shall be borne solely by the Purchaser.

Maxalarm/Max Technologies warranty under this Warranty Certificate does not cover products that are defective (or shall become defective) due to:

- (a) Alteration of the products (or any part thereof) by anyone other than Maxalarm/Max Technologies;
- (b) Accident, abuse, negligence, or improper maintenance;
- (c) Failure caused by a product which Maxalarm/Max Technologies did not provide;
- (d) Failure caused by software or hardware which Maxalarm/Max Technologies did not provide;
- (e) Use or storage other than in accordance with Maxalarm/Max Technologies specified operating and storage instructions.

There are no warranties, expressed or implied, of merchantability or fitness of the products for a particular purpose or otherwise, which extend beyond the description on the face hereof.

This limited Warranty Certificate is the Purchaser's sole and exclusive remedy against Maxalarm/Max Technologies and its sole and exclusive liability toward the Purchaser in connection with the products, including without limitation - for defects or malfunctions of the products. This Warranty Certificate replaces all other warranties and liabilities, whether oral, written, (non-mandatory) statutory, contractual, in tort or otherwise.

In no case shall Maxalarm/Max Technologies be liable to anyone for any consequential or incidental damages (inclusive of loss of profit, and whether occasioned by negligence of Maxalarm/Max Technologies or any third party on its behalf) for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever. Maxalarm/Max Technologies does not represent that these products cannot be compromised or circumvented; that these products will prevent any person injury or property loss or damage by burglary, robbery, fire or

otherwise; or that these products will in all cases provide adequate warning or protection.

Purchaser understands that a properly installed and maintained product may in some cases reduce the risk of burglary, fire, robbery or other events occurring without providing an alarm, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss or damage as a result.

Consequently, Maxalarm/Max Technologies shall have no liability for any personal injury; property damage or any other loss based on claim that these products failed to give any warning.

If Maxalarm/Max Technologies is held liable, whether directly or indirectly, for any loss or damage with regards to these products, regardless of cause or origin, Max Technologies maximum liability shall not in any case exceed the purchase price of these products, which shall be the complete and exclusive remedy against Maxalarm/Max Technologies.