

imago

Outdoor siren

Installation guide



KSI6301000.3XX - for KS-BUS only

INTRODUCTION

The self-powered outdoor siren imago is an acoustic/optical professional alarm with an unique and exclusive, extremely compact and slim design (its maximum thickness is 6 cm.) together with an advanced technology to combine the best possible performance with the highest energy saving: high sound pressure, 1W LED blinker and auxiliary high-efficiency low-consumption warning LED. The siren is fully controlled by a micro-controller which verify all conditions and reports them opportunely.

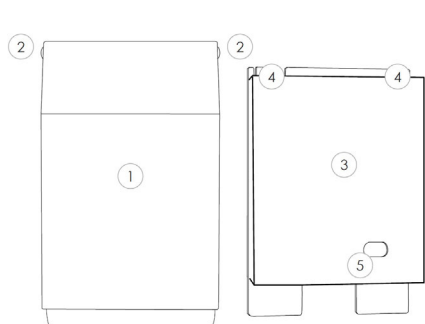
The battery is kept under constant supervision and any malfunction or out of energy is immediately signalized to the Control Panel.

imago is protected against wire-cut, opening or removal from wall (tamper protection), and, despite of its small dimension, hides a strong under-cover against smashes. The used material (high quality PC with UV protection) and the sophisticated project grant long time endurance against all atmospheric agents.

TECHNICAL DATA

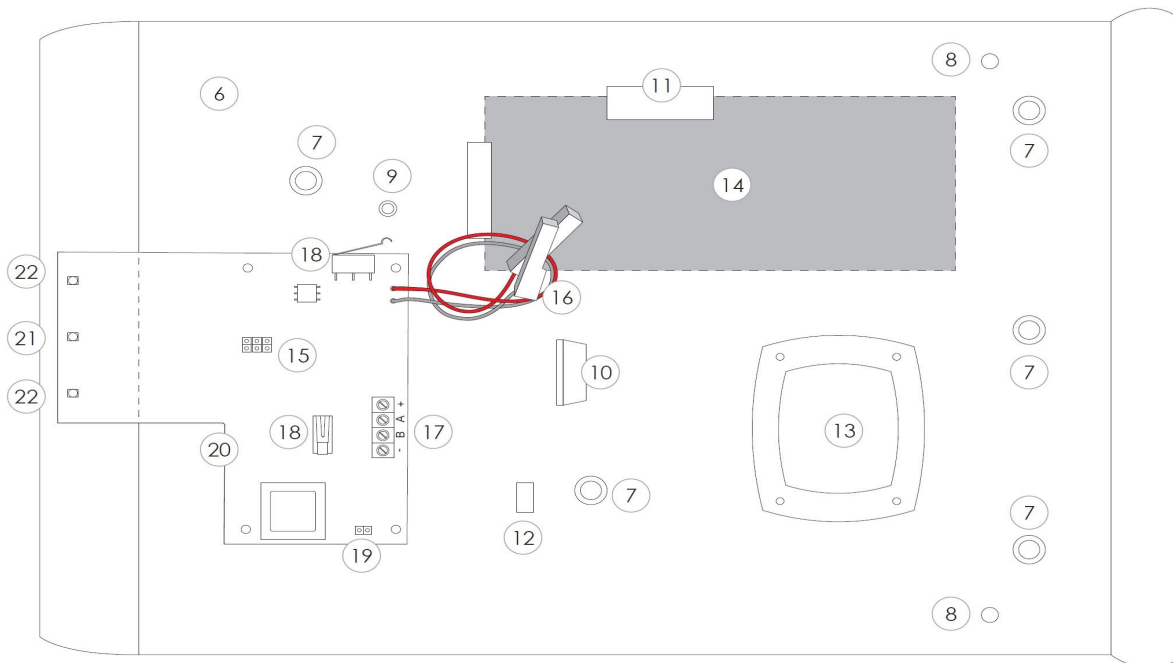
- Modern Design with original and convenient rotating opening
- Solid PC housing (minimum thickness 3 mm.) with anti-UV pigment
- Front available in different colors
- Transparent base available in different colors: orange, red and blue
- Strong metallic zinc-plated under-cover (anti-smashing)
- Acoustic and optical emission for cable cut
- High acoustic power piezoelectric Buzzer (>100dBA @ 1m)
- Protective and insulating treatment of the PCB (conformal coating)
- Power Supply: 9V(min.) - 13.8V (max)
- Consumption: 10mA stand-by / 150mAmax
- Backup battery: 6Vcc - 1.2Ah (not included)
- Operative temperature: -10° +55 °C 95% Humidity
- Protection grade: IP 43
- Dimensions: 195 x 330 x 60 mm
- Weight (without battery): Kg.1.2 - Kg.1.5 (with battery)

DESCRIPTION OF THE PRODUCT



LEGEND

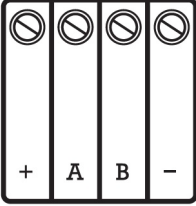
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|--|--|
| 1. Cover | 12. Chock (2) |
| 2. Stainless steel hinges (2) | 13. Exponential Buzzer (120 dB) |
| 3. Undercover | 14. Battery |
| 4. Undercover locking screws (2) | 15. PCB - Board |
| 5. Tamper protection activation eyelet | 16. Cables (2) r/n with faston |
| 6. Transparent base | 17. Connection clamps |
| 7. Base locking holes (5) | 18. Tamper protection/anti-tear micro-switch (2) |
| 8. Undercover locking holes (2) | 19. Buzzer connector |
| 9. Anti-tear hole (*) | 20. Debug Connector (not used) |
| 10. Eyelet for cable pass-through | 21. Power central LED 1W |
| 11. Battery base (1.2Ah) | 22. High efficiency LED (2) |



(*) Anti-tear hole. Drill a hole in the wall in correspondence of the anti-tear hole placed on the bottom of the siren. Screw into the dowel until obtaining adherence to the wall.

CONNECTION DESCRIPTION

The PCB board is the main component of the imago siren and allows its proper functioning, the interface with the alarm station, the control of the related device (i.e. the battery) are in conformity with the applicable normative.

	KS-BUS TERMINALS DESCRIPTION		
	AB	KS-BUS	Ksenia BUS terminals
	- +	power supply	Power supply clamps 13.8V

START UP PROCEDURE

The correct powering procedure of imago siren must initially to be done through the battery (6V 1.2Ah Dimensions: 98x50x22 mm - not included) and then giving power (13.8 Vdc typical) coming from the Control Panel. It is fundamental to respect this order.

Once powered, the siren will give just a single flash from its main power LED and the buzzer will sound for a second to verify the correct functioning of all parts ; moreover the red signaling LEDs will keep flashing (slow at 1 Hz) until the siren will remain open (tamper switches open).

After closing the cover, the LEDs will flash faster (2 Hz) for 20 sec. If the siren has been powered also from the Control Panel, then the power LED will start to flash (period 300/700ms) for 20 sec.; the siren will acquire the inputs stand-by condition and start its full functioning. In case you still need to connect the power to the Control Panel, the siren will go in "low consumption mode" waiting for the external power. If the siren will be opened again, the red LEDs will turn on, getting back to the previous mode. Once the external power will be detected, the siren will let the power LED flash for 20 sec. and after that, the siren will acquire the input stand-by condition and will start its full functioning. The imago siren will sound and the power LED will be flashing (300ms ON / 700ms OFF) when:

- 1) External power is missing (wire cutting or voltage below 7.6Vdc), the alarm condition will last until all power missing will last.
- 2) The siren is being opened.

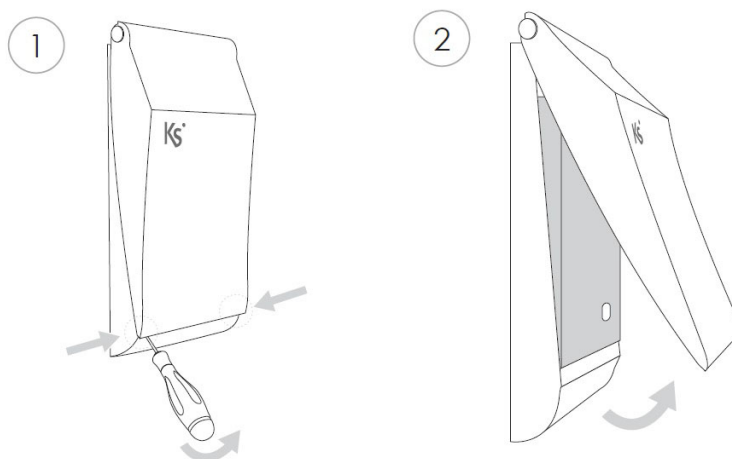
PROTECTION AND BATTERY TEST

When the battery voltage is lower than 5V the imago siren sets the low energy consumption mode.

SOFT-STOP FUNCTION

When the power supply voltage slowly decreases (slow rate < 100 mV/minute) the imago siren will not emit any acoustic alarm due to loss of power supply. This slow rate is effective if detected starting from the initial voltage (higher than 12V) to 10,5V, then the alarm activation will be prevented even in case of a sudden loss of voltage. This peculiar function allows to avoid the acoustic warning and to compromise the efficiency and life-time of the battery in case of protracted loss of power supply.

OPENING imago SIREN



INSTALLATION

The siren has to be installed in a hardly accessible location to deter tamper attempts. The wall chosen must not have any depression or protrusion in order to avoid compromising the tamper protection function.

1. Insert stainless steel hinges and screw the nuts inside avoiding to tighten
2. Open the PC cover forcing the corners with a screwdriver
3. Remove the docking screw of the metallic undercover
4. Remove the undercover pulling it from above, taking care not to damage the electronic circuit
5. Drill the fixing bottom holes and the anti-tear hole
6. Pass-through the cable coming from the Control Panel in the eyelet
7. Lock with Fischer plug the PC Base on the wall
8. Insert a 6V lead battery (not supplied) and link terminals accordingly with the polarity
9. Connect cables to connection terminals
10. Verify the start up procedure
11. Close the undercover and screw on
12. Close the cover

QUANTITY DATA

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of BUS sirens	1	6	24	24	40	49

Technical data, appearance, functionality and other product characteristics may change without notice.

CERTIFICATIONS

Europe - Rohs, CE
Europe - EN50131-4 grade 3



ENVIRONMENTAL CARE

imago has been specifically designed and manufactured for the environment respect as follows:

1. PCB laminates are brome and lead free.
2. Low consumption
3. Packaging realized mainly with recycled fibers and materials

Installation of these systems must be carried out strictly in accordance with the instructions described in this manual, and in compliance with the local laws and bylaws in force. imago has been designed and made with the highest standards of quality and performance adopted by Ksenia Security. Is recommended that the installed system should be completely tested at least once a month. Test procedures depends on the system configuration. Ask to the installer for the procedures to be followed. Ksenia Security SPA shall not be responsible for damage arising from improper installation or maintenance by unauthorized personnel. The content of this guide can change without prior notice from KSENIA SECURITY.

Information for users: Disposal (RAEE Directive)

Warning! Do not use an ordinary dustbin to dispose of this equipment.

Used electrical and electronic equipment must be treated separately, in accordance with the relative legislation which requires the proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation of directives in member states, private households within the EU may return their used electrical and electronic equipment to designated collection facilities free of charge*. Local retailers may also accept used products free of charge if a similar product is purchased from them. If used electrical or electronic equipment has batteries or accumulators, these must be disposed of separately according to local provisions.

Correct disposal of this product guarantees it undergoes the necessary treatment, recovery and recycling. This prevents any potential negative effects on both the environment and public health which may arise through the inappropriate handling of waste.

* Please contact your local authority for further details.