SMART Outdoor / Indoor Sirens (IoT Based)
imago wls / radius

INTRODUCTION

Every device / equipment which is used for Security / Safety must ultimately alert the user in case of any event.

These alerts apart APPS on the Smart phone are generated on Sirens which provide Audio and Video alarms cautioning the user.

Ksenia offers two types of Sirens

1. Outdoor (imago) which receives Wireless signal from Control panel lares 4.0 .It has very high hooter signal plus flashing lights / LEDs. It operates on its own battery. When ON, it can scare the intruder and make him run away

2. Indoor (radius) provides high level of Audio alarm and flashing LEDs to attract the user it works on Four wire KBUS connected to the control panel.

In the following pages, details are shown:

imago wls (Wireless Outdoor Siren)

The **imago wireless outdoor Siren** is an acoustic and optical professional alarm that combines an unique, extremely compact and slim design (its maximum thickness is 6 cm.) with an advanced technology to obtain the best possible performance with the highest energy saving yet producing high sound intensity, 1W LED blinker and auxiliary high-efficiency warning LED.

Figure : 1

SPECIFICATIONS

- Modern Design with original and convenient rotating opening

- Solid PC housing (minimum thickness 3 mm.) with anti-UV pigment

- Front available in different colours

- **Transparent base available in different colours:** orange, red and blue

- Strong metallic zinc-plated under-cover (anti-smashing)

- High acoustic power piezoelectric Buzzer (>100dBA @ 1m)

- Protective and insulating treatment of the PCB (conformal coating)

- **Power Supply:** 9V(min.) - 13.8V (max) – Optional

- **Rechargeable Backup battery:** 6Vdc – 1.2Ah - Optional

- **Non-rechargeable Main battery:** 7.5Vdc – 8Ah non-reloadable

- **Operating temperature range:** -10°C to 55°C 95% humidity

- **Protection class:** IP43

- **Dimensions:** 195 x 330 x 60 mm

- **Weight (without battery):** 1.2 Kg

- Wireless bi-directional communication; 868MHz frequency

- **RF Range:** 300 m. in open air

- Supervision for wireless diagnostic (programmable)

- Temperature sensor (Optional)

- Temperature thresholds managing (programmable)

- Management of the maximum duration of the alarm (programmable)

- Alarm output configurable as Bistable or Monostable

- Power LED output configurable as Bistable or Monostable

- Auxiliary LED output configurable as Bistable or Monostable

radius (Indoor Siren & Emergency Light)

The **radius** self-powered indoor siren is actually a professional (acoustic & optical) Sounder which shows a unique and exclusive design, extremely slim (max. 37 mm thick) associated with a modern technology aimed to combine the best possible performances with the maximum energy saving: very high sound pressure, 3W power LED Alarm Light which also acts as emergency light in case of main power's black-out.

The siren is fully controlled by a microprocessor which checks the possible status of the device and sends the appropriate signal.

radius, like as the ergo keypads, has been designed to be fully flexible even from a chromatic stand point of view to be easily and superbly integrated in any kind of interior design: as a matter of fact, its design allows the end user to take advantage of 4 different colors, i.e. white, metallized grey, red and black.

With regard to its function, radius is available with 2 inputs to activate the acoustic and optical signals, which thanks to the programming of the inputs polarities are easy to be linked to any Control Panel (Universal version only).

The first time you power up it, the siren reads all the inputs and associates them to the correct polarity and stand-by status with no need to program them manually, saving the programming itself on a non-volatile memory; either they are inputs with positive or negative command, or with or without intrinsic security (command to miss or to give), radius links any of them with the associated function.

Figure : 2

SPECIFICATIONS

Acoustic and Lighting signal in case of wire cutting action

Input: 1 for the alarm

Input: 1 for the main 3 W power LED only

Auto-learning of input polarity

High Sound Pressure Piezoelectric Buzzer (>100 dBA at 1m)

Integrated Temperature Sensor: ±0.1°C

Back-up Battery

Temperature Range: from +5° to +40 °C

Dimensions (W x H x D): 102×142×37 mm max

Weight (with Battery): 300 g

SMART HOME MANAGING APP

lares 4.0 is an APP which permits the users to always safely monitor homes, offices or industries. A single APP allows users to monitor and control all the Security aspects (Intrusion, Video Surveillance, Access Control) and simultaneously manage Home Automation or BMS (Building Management System).
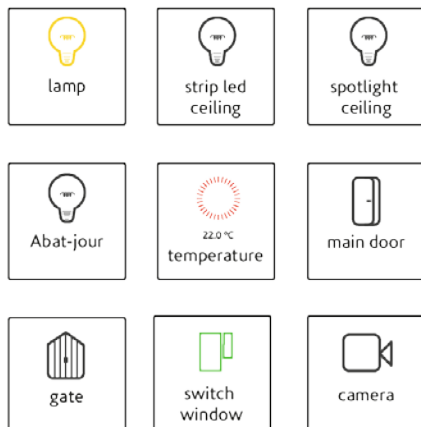
MAXIMUM FREEDOM AND CREATIVITY

For the first time the user can choose and handle the desired domotic scenario, manage the push notifications, set-up his favorate elements and theme, avoiding the intervention of the installer !
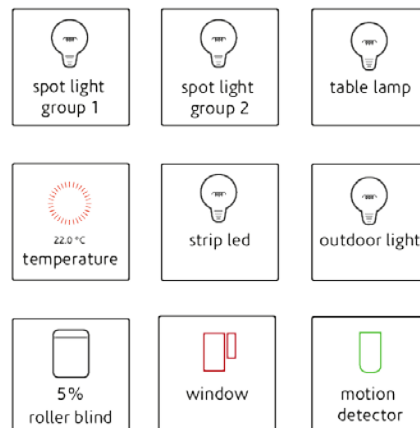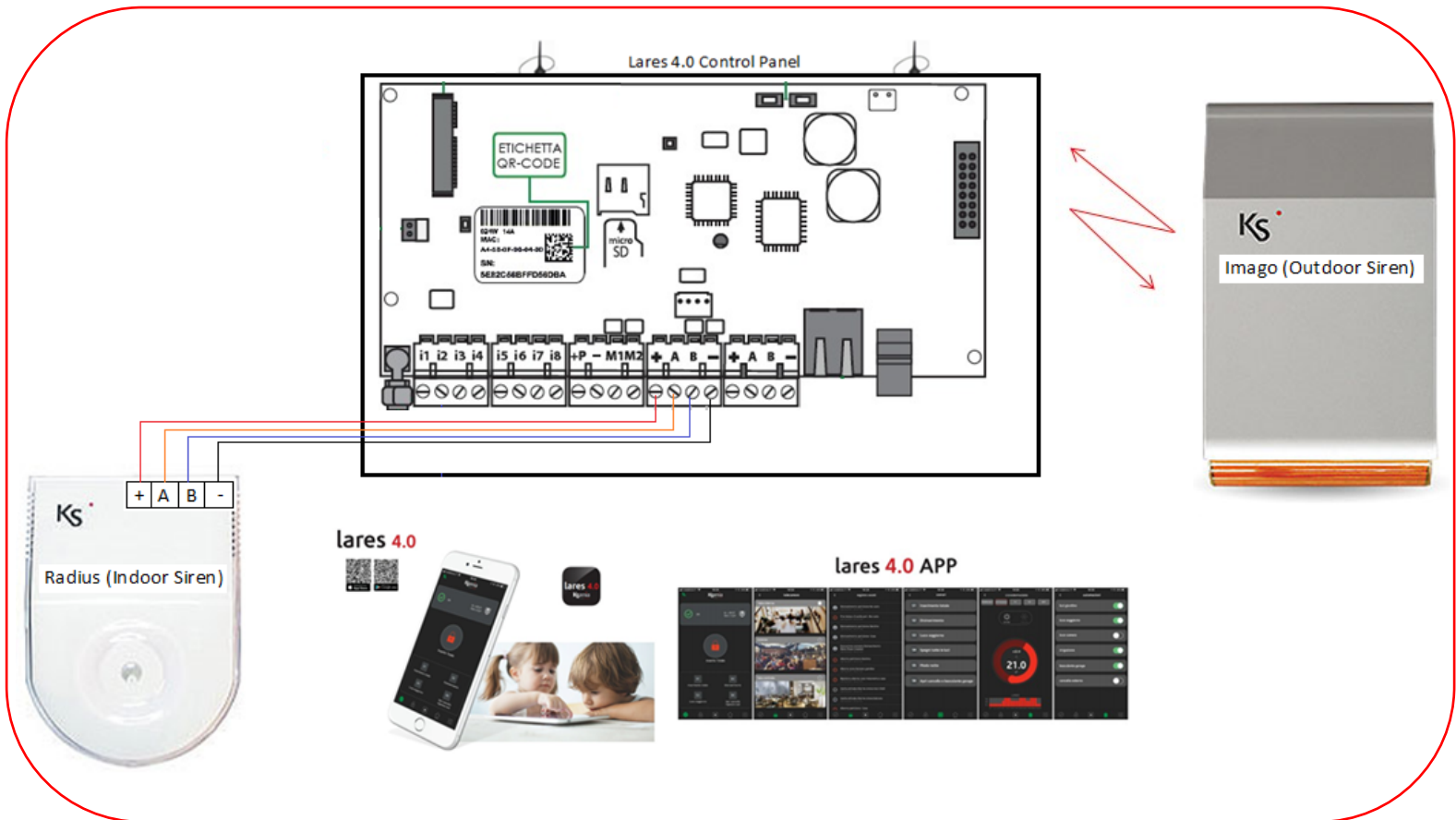

COHERENT VISUALIZATION OF THE PHYSICAL INSTALLATION

For each device installed at home corresponds a virtual card in the APP. Each group of devices is associated with their virtual room. Thanks to the organization of the "room" menu, associate the card with the referred device is extremely intuitive!

Application Layout

ENVIRONMENTAL CARE

imago wls / radius has been designed and manufactured with the following features to reduce environmental impact:

• PVC-free
• Halogen-free laminates and printed circuits unleaded
• Low absorption
• Recycled fibers and materials for packaging

we care

imago wls siren

ORDERING CODE

Ksenia finished product:

- **KSI6401000.3XX*** - KS-BUS version
  (*) The code suffix 3XX indicates the different color option. E.g. 318 Is the code for a white cover with red bottom imago.

Ksenia covers only:

- **KSI6901000.3YY**** - cover only (both versions)
  (**) The code suffix 3YY indicates the different color option. E.g. 340 Is the code for a beige cover.

Ksenia bottom only:

- **KSI6900000.30Z***** - bottom only (both versions)
  (***) The code suffix 30Z indicates the different color option. E.g. 307 Is the code for a orange bottom.

PARTS INCLUDED

1 Siren complete with PCBA and metal undercover
2 sets 6 mm Dia. Bolts & Nuts
1 Quick Installation Guide

ACCESSORIES

KSI7207580.000 - Alkaline Battery 7.5 V-850 mAh non-rechargeable

radius siren

ORDERING CODE

KSI6101000.310 - KS-BUS version

PARTS INCLUDED

1 Siren complete with PCBA and battery
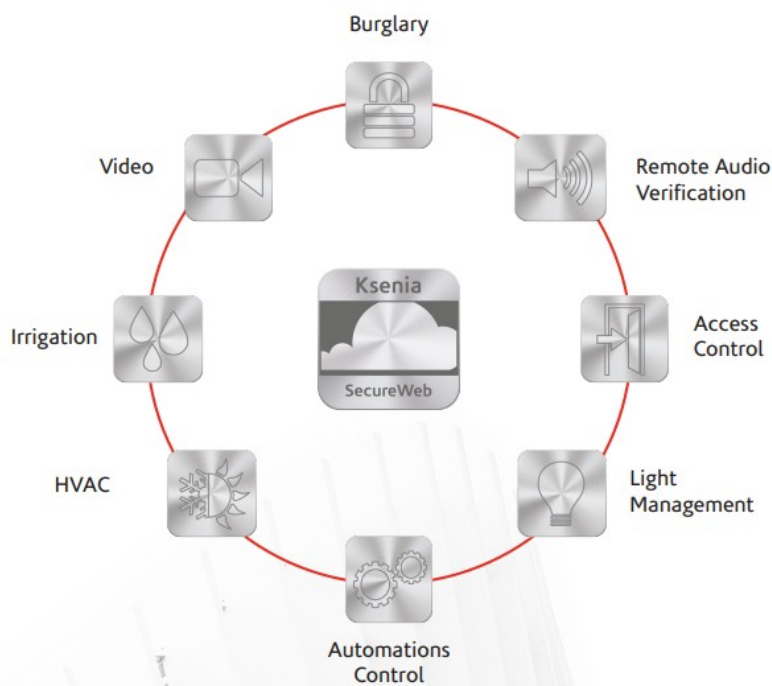Set of 4 colored covers
1 Quick Installation Guide in ITA/EN

ACCESSORIES

KSI7207008.00 - Lithium-Ion Battery 7.4 Vdc-850 mAh

COMPLIANCE

EN50131 Grade 3 - Class II
T031:2014