



## User manual

**IOTAS10101**

Alarm actuator



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#### Changes History

Product name		Alarm actuator	
Product ID		IOTAS10101	Data version
		Nº Total of pages	December 2019
			10
Version	Changes		Data of change
0.1	Initial version		07/09/2018
1.0	1st version		09/05/2019
1.1	English version		09/12/2019

Used symbols in this guide:

Symbol	Description
	USB.
	Electric risk.

Warnings:

- The product label is located on the bottom of the product.
- To reduce the risk of fire or electric shock, do not expose the product to rain or moisture.
- Do not place open flame sources, such as burning candles on the product, or in its vicinity.
- Do not expose this product to dripping or splashing.
- This product must be used indoors. It is not designed or tested for outdoor use.
- Operating temperature range: -5°C to 45°C

Precautions:

- Do not make unauthorized alterations to this product; doing so may compromise security, compliance with standards, system performance and may void the warranty.

Important Instructions:

- Read these instructions.
- Keep these instructions.
- Observe the warnings.
- Follow all instructions.
- Do not use this appliance near water.
- Perform the installation according to the manufacturer's instructions.
- Do not place it near any heat source, such as radiators, heating grilles, stoves or other appliances (including amplifiers) that produce heat.
- Use only accessories specified by the manufacturer.

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## 1. Introduction

### 1.1. Package contents

The package is an installation kit consisting of:

- 1 x Alarm actuator
- 6 x Gateway USB
- Mini PC extended range of T<sup>a</sup>

## 2. Product description

The Alarm kit activates a light and acoustic signal when a patient or hospital team leaves the hospital without having been removed by the healthcare staff (Tag).

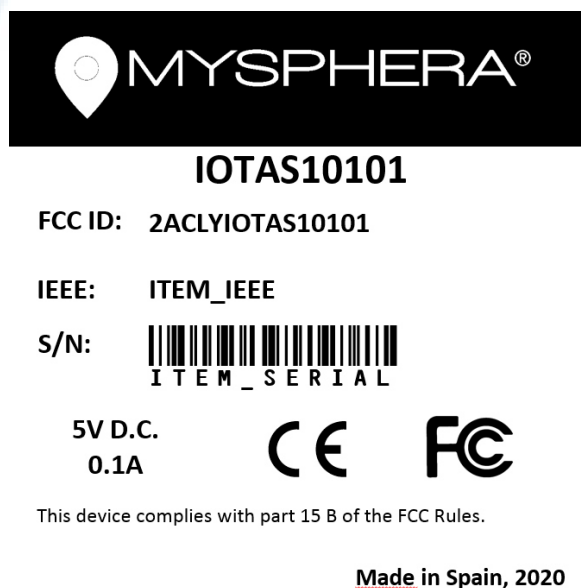
The alarm siren is responsible for emitting the light and acoustic signals.

### 2.1. Version

Product:	IOTAS10101
Case:	1.0.1 Cover with microUSB power connector and base.
Hardware:	1.0.1 MSIoTS10-A. Based on chip CC2541 and buzzer.
Firmware:	1.0.0 Firmware for activation of light and acoustic signals.

### 2.2. Identification

Label rear of the device.



**Illustration 1 – Alarm actuator identification**

- Product identifier code:
  - o Start with 3 letters indicating type / family of the product.
  - o Followed by 2 letters indicating the type of interface and / or communication of the product.
  - o Followed by 1 digit indicating version of the enclosures / enclosures / mechanical encapsulation.
  - o Followed by 2 digits indicating the hardware version.
  - o Finishing with 2 digits that indicate the firmware version.
- IEEE address: 12-digit alphanumeric MAC identification, unique for each device / product manufactured.
- S / N: Serial number of the hardware used in that product.
  - o Internal product accounting code.
  - o Hardware manufacturing number.
- Electrical characteristics of use.
- Certification and marking symbols: CE and FCC
- Place and year of manufacture.

### 3. Installation

It will be placed on the wall near the ceiling so that it is a little or nothing intrusive element to the place where it is installed.

It will be powered with a microUSB cable.

For its operation it must be completed with other products that make up the installed set:

- - USB gateways
- - PC or multimedia device with USB connections.


### 4. Intended Use

Once the actuator and the USB Gateways are placed in place and connected to the computer or multimedia device, the assembly can be considered to be in operation.

And it will indicate the output of Tags when overcoming the arc formed by the USB Gateway.

## 5. Maintenance and cleaning

No special cleaning products are needed for cleaning this device. Dampen a cloth with water and run it across the surface.

	Do not clean the equipment when it is turned on.
	Do not use solvents.

This device does not require special maintenance.

Once the AA batteries are exhausted, the 3 batteries must be replaced. To do this, open the battery cover with a screwdriver and replace the 3 AA batteries. Then close the battery cover and turn on the device by pressing and holding the button for 2-3 seconds.

## 6. Storage and devices removal

### 6.1. Storage

- When the wireless gateway is not used, it should be stored in a clean and dry area. Otherwise it can become a source of pollution.
- Store the wireless gateway under the following conditions:
  - Temperature: -10 ° C to 50C ° (14 ° F to 122 ° F)
  - Relative humidity: 20% to 80% (no condensation)

### 6.2. Wireless Gateway removal

#### DO NOT OPEN ANY GATEWAY WIRELESS

In case of failure or at the end of the use of the wireless gateway, it must be returned to the manufacturer for replacement and / or repair or removal from the market.

Contact MYSPHERA before disposing of the wireless gateway. This product should not be treated as household waste.

By ensuring that this product is disposed of correctly, it will help avoid possible negative consequences for the environment and human health, which could otherwise be caused by improper handling of the waste from this product.

## 7. Incidents solution

### 7.1. Usual incidents

**INCIDENT**

**The device does not turn on.**

**SOLUTION**

It may be a problem of lack of charge, this will have to open the back cover of the sensor and replace the batteries. If it still does not work, you will have to change the device and take the damaged one to MYSPHERA.

**INCIDENT**

**When you open the application, one of the actuator doesn't appear.**

**SOLUTION**

Contact the installation company to verify if the actuator has been configured correctly.

**INCIDENT**

**The alarm actuator doesn't light or sound when the gateways USB send to him signals.**

**SOLUTION**

Possible fault of the alarm actuator, it will be necessary to change the device and send the fault to MYSPHERA.

**INCIDENT**

**Do not open the application.**

**SOLUTION**

When this error occurs, it must be verified that the multimedia device has a 3G connection. If not, you will have to find a site with good coverage or change the SIM available to the multimedia device.

## 8. Safety information

### 8.1. Electric safety

Product protected against short circuits.

It does not emit electric shocks.

### 8.2. Other safety considerations

Product not designed or intended for uses other than its installation in stable places and with the ability to detect movement.

It does not carry an implicit risk for people, animals or objects.

The company is not responsible for improper use of it and the possible consequences that the product itself or the parts that form it may have.



### 8.3. Information about radiofrequency

#### 8.3.1. Radioelectric devices manufacturing

Cuadro Nacional Atribución Frecuencias (Spain, Orden ETU/416/2018, 26th April, 2018)

[https://www.boe.es/diario\\_boe/txt.php?id=BOE-A-2018-5704](https://www.boe.es/diario_boe/txt.php?id=BOE-A-2018-5704)

European Frequency Information System (2402 MHz - 2480 MHz)

<https://www.efis.dk/views2/search-general.jsp>


MYSPHERA declares that the radio equipment is manufactured so that it can operate in at least one Member State without violating the requirements applicable to the use of the radio spectrum in accordance with Article 10.2 of Directive 2014/53 / EU.

This device can be put into service and used without restrictions in several European Union countries (BE / DE / ES / FR / GR / IT / NL / NO / UK)

## 9. Declaration of conformity

<http://www.mysphera.com/declaration-of-conformity>

#### 9.1. CE Mark

 MySPHERA declares that this device complies with the requirements and specifications set out in Directive 2014/53 / EU (RED).

#### 9.2. FCC Mark



This device complies with the Part 15 B specification of the FCC Rules.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### 9.3. Updating device

The programming and functionality of the hardware and firmware are carried out at the factory complying with the essential requirements of the product.

The end user cannot make any modification of the FW / SW or functionality or have any button, connector or element that allows changing any parameter that affects the correct functioning of the product or the fulfillment of its essential requirements.

If any update, change or special modification of FW is required, the product must return to Mysphera. You cannot vary operating parameters automatically or remotely.

## 10. Recycling

The product must not be disposed of as waste and must be delivered to MYSPHERA for proper recycling. Proper disposal and recycling help protect natural resources, people's health and the environment. For more information on the disposal and recycling of this product, contact your municipality, the waste management service or the store where you purchased this product.

## 11. Authorized distributors

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