

# Jamming Alarm

AJV4™ by telecom design \_

The first AI anti-hacking alarm that detects signal jammers used to disable alarms systems and independently contacts a monitoring center



JAMMING DETECTION



HUMIDITY



TEMPERATURE



AIR QUALITY



MANUAL ALARM



UNIVERSAL COMPATIBILITY

## Installation & User Guide



telecom  
design \_

# Installation

## 1. Product Description

The Jamming Alarm is composed of a robust plastic casing surrounding an LCD segment display and a battery cover to access the batteries. It also features an SOS button accessible for the user in case of emergencies.



|                              |                                                                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>            | 14 x 7.5 x 3 cm / 5.4 x 3 x 1.1 in                                                                                                             |
| <b>Weight</b>                | 163g/6oz (no batteries)<br>300g/11oz (batteries included)                                                                                      |
| <b>Battery</b>               | 6x AA alkaline battery (1.5 VDC)                                                                                                               |
| <b>Functionality</b>         | Jamming Detection (LTE, 900MHz Alarm band, Cellular, Wi-Fi, Bluetooth)<br>Environmental measurements<br>Manual SOS Button<br>Tamper Protection |
| <b>Communications</b>        | RF unlicensed alarm bands compliant (902-928 MHz)<br>LTE-M, NB-IoT, BLE,                                                                       |
| <b>Operating Temperature</b> | -10°C to +50°C / 14°F to 122°F                                                                                                                 |

## 2. Set Up

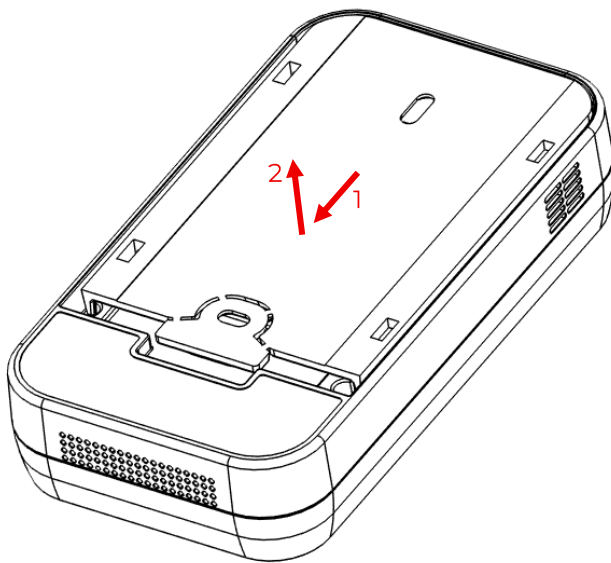
### 2.1 Installation

The Jamming Alarm is designed for indoor usage and should be installed withing supervised area.

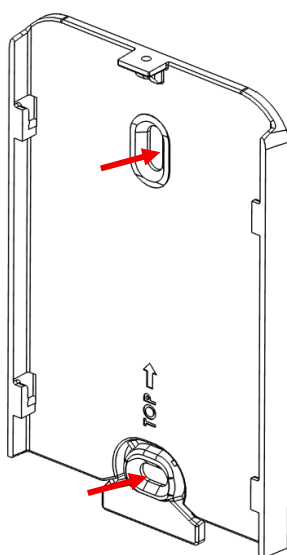
It is recommended to install the Jamming Alarm close to a window but away from the entry door.

The Jamming Alarm should be attached to the wall and kept steady to ensure the best jamming detection.

- Remove the back plate from the device by sliding it out

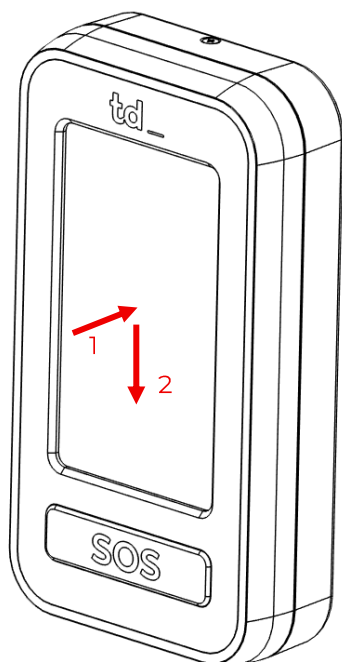


- Attach the back plate to the wall using the 2 screws supplied with the device

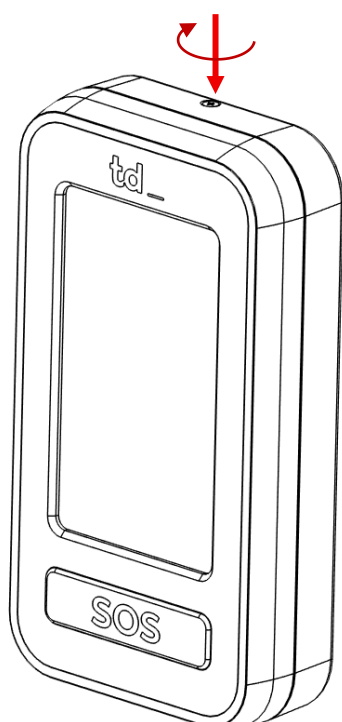


- Insert 6 AAA batteries in the indicated direction

- Put the Jamming Alarm back to the battery cover by sliding it



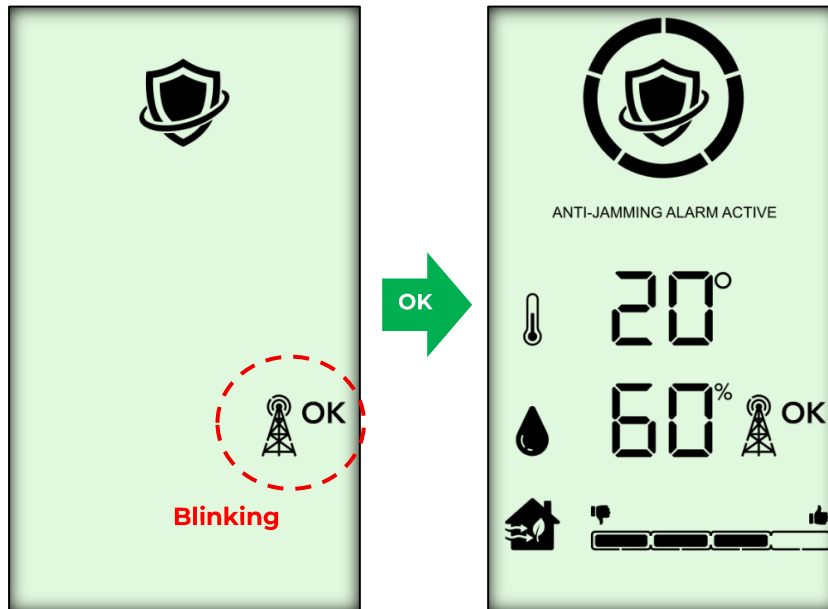
- Lock the device using the top screw supplied with the device



## 2.2 Initialization

Once the batteries are inserted, the screen turns on.

- The Jamming Alarm takes few minutes to connect to the network. In the meantime, the Connectivity logos (antenna and OK) are blinking. The device is connected to the networks and is ready to be used once at least one logo is displayed and that environmental data is visible.



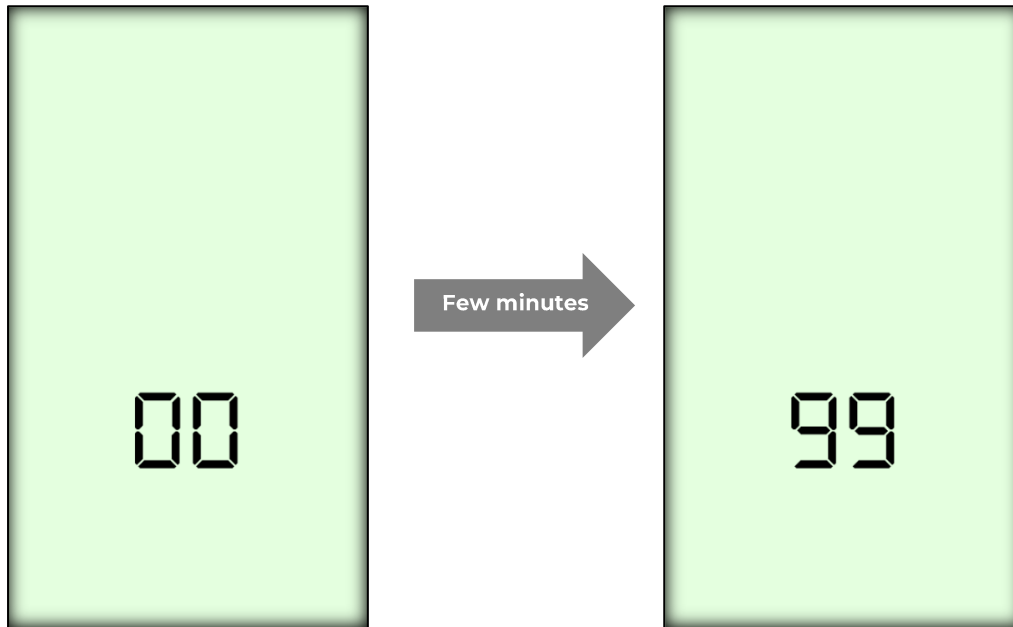
**NOTE:** The device detects tampering attempts. To be fully operational, the device should be mounted on the battery cover. Otherwise, the tamper logo is displayed, and the product is not operational.



### 2.3 Firmware Update (Optional)

After the first initialization, it is possible that the device immediately downloads a firmware update.

In this case, the screen turns off except the humidity digits which will display the download progress percentage. This download can take several minutes.



After the download is completed, the screen turns off while the device is rebooting. This reboot can take several seconds.

During the full firmware update process, the alarm features are not available.

## User Guide

The Telecom Design Jamming Alarm Gen 4<sup>th</sup> (AJV4) is a security service that ensures your protection and well-being: it is always connected, ensuring that there is no risk to you in your home or business.

The Jamming Alarm protects you even if an intruder uses a frequency jammer near your home or business, as it is capable of detecting it and sending an alert using the exclusive Telecom Design Alarm Network (TDAN).

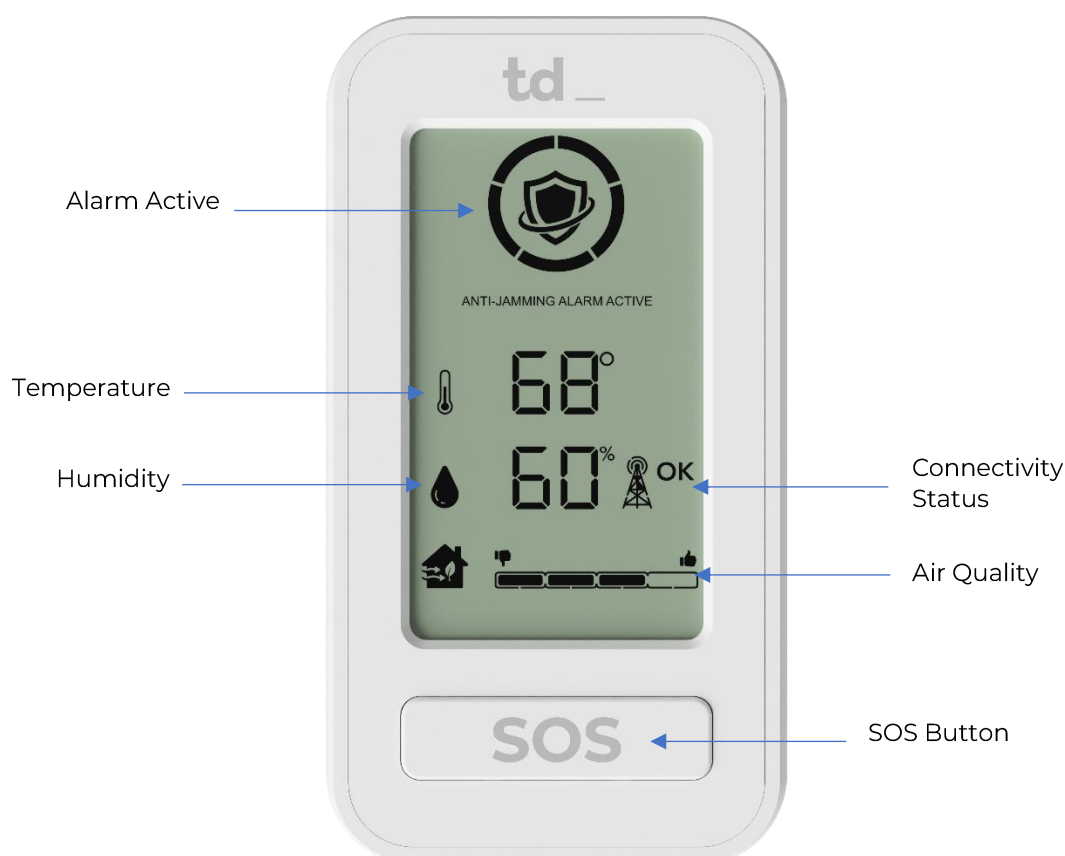
Additionally, it protects you from other dangers that can risk your well-being, alerting you if temperature, humidity, or air quality reach risk levels.

If an anomalous situation is detected, the AJV4 transmits an automatic alert to the alarm receiving center, where the call center experts will act immediately to help you.

If you need to ask for help at any time, you can press the SOS button; the call center will assist you immediately to notify your contacts or emergency services (911) if needed.

The Jamming Alarm Gen 4<sup>th</sup> from Telecom Design protects you by monitoring at all times that there is no risk to you in your home or business, just like a guardian

### 1. Product Description



## 2. Automatic Alarms



### Inhibition detection

This icon will appear when someone is using a frequency jammer to block alarm communications. This will trigger an alarm to the Alarm Receiving Center.



### Tamper Alert

This icon will appear when the device is no more attached to the battery cover. This will trigger an alarm to the Alarm Receiving Center.



### Low Battery

This icon will appear when the batteries need to be replaced. This will trigger an alarm to the Alarm Receiving Center.

## 3. Manual SOS

In case of emergency or distress, the SOS button of the Jamming Alarm can be pressed. The button should be hold for 3 seconds to send the alarm.



The SOS button is jamming-proof and can still transmit the SOS signal even in the case of frequency jamming.

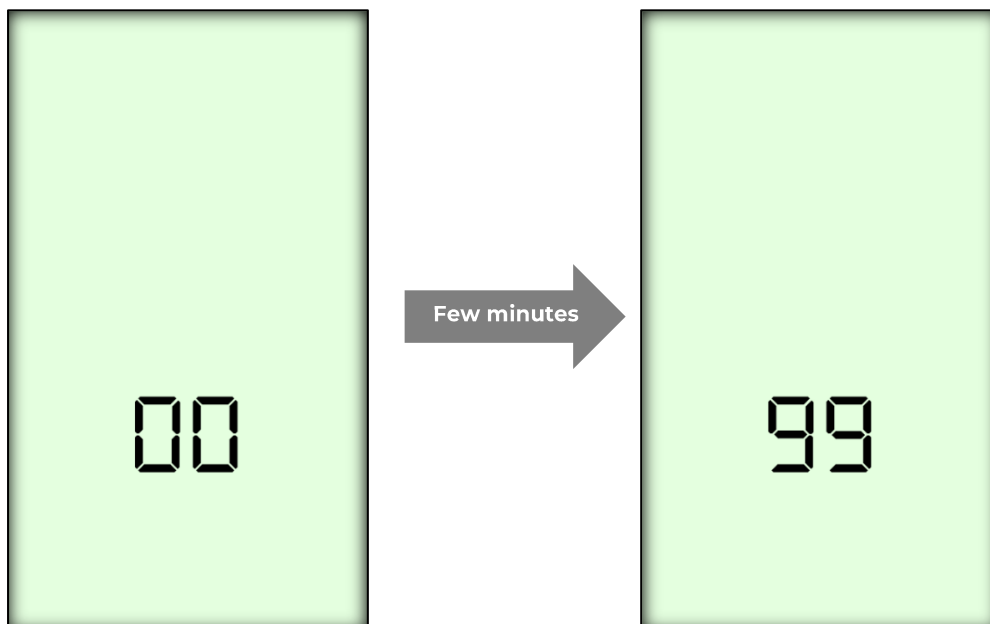
The device displays the following pattern.



#### 4. Firmware Update

Upon Telecom Design or customer's need, the device's firmware can be updated remotely.

During this process, the device's screen will display the following pattern:



Then, the screen turns off for few seconds during the device's reboot.

The full process can take up to several minutes. During this process, the alarm features are not available.

## 5. Legal Notice

### FCC and ISED Statement

This device complies with part 15 of the FCC Rules and with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation

NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment

*L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :*

- (1) L'appareil ne doit pas produire de brouillage;*
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

**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.

### Radio Frequency Exposure Statement:

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This Equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

*Cet équipement est conforme aux limites d'exposition IC définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé en respectant une distance minimale de 20 cm entre l'antenne émettrice et le corps humain.*

### Declaration of conformity

We hereby certify that the Jamming Detector V4 designed by Telecom Design, complies with the main requirements and other associated regulations presented in Directives 2011/65/EU(RoHS).

**Address of the Manufacturer**

The Jamming Detector V4 is a product manufactured by Telecom Design, Zone Actipolis II, 2bis rue Nully de Harcourt, 33610 Canéjan, France

**FCC & ISED ID**

FCC ID: 2AGMK-AJV04

IC ID: 21552-AJV04

CAN ICES-3 (B)/NMB-3(B)

Contains:

FCC ID: HSW-TY1SCDM

IC; 4492A-TY1SCDM