



Smart WiFi Presence Sensor

TLL331552

-  Installation guide and operation instructions
-  Ghid de instalare și instrucțiuni de funcționare
-  Guía de instalación e instrucciones de funcionamiento
-  Guide d'installation et mode d'emploi
-  Guida all'installazione e istruzioni per l'uso
-  Einbauanleitung und Bedienungsanleitung

A silhouette of a city skyline with various skyscrapers of different heights and shapes.

INTO YOUR FUTURE

Thank you for choosing Tellur products!

To ensure optimum performance and safety, please read this user manual carefully before using the product. Keep this user manual safe for future references.

1.GENERAL SAFETY INFORMATIONS:

1.1. WARNINGS

- Respect the safety measures and use proper and sturdy tools (ex: ladders, chairs) when installing the product at a bigger height from the ground.
- Make sure you have prepared the necessary tools suitable for assembly and disassembly.
- Respect the technical specifications of the product and do not use it outside the declared operating parameters.

1.2. ATTENTION

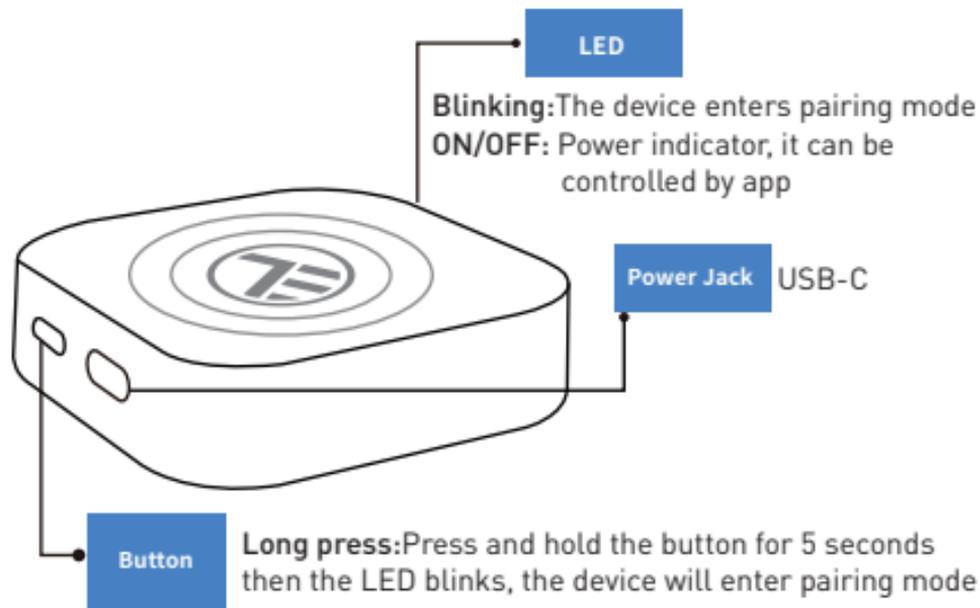
- To avoid wire damage or abrasion, do not expose the wire to edges of metal or other sharp objects.
- Avoid mounting the device in a place where the temperature changes too much, such as a heat source, air-outlet, etc. It will cause the equipment to send false alarms.
- Don't use the product if it is damaged in any way, shape, or form.
- Don't attempt to repair, disassemble, or modify this product.

1.3. IMPORTANT NOTES ABOUT WIFI SMART CONTROL WITH TELLUR SMART APP

- Make sure you have an active 2.4GHz Wi-Fi internet network, and you have access to Wi-Fi password.
- This device is compatible with 2.4GHz Wi-Fi networks only. 5GHz Wi-Fi is not supported. If you don't have 2.4GHz Wi-Fi network available, check the router settings, contact a specialized technician or the internet provider for support.
- The app does not support Wi-Fi 6 networks with 802.11ax standard. Please set the 2.4GHz Wi-Fi network to 802.11b/g/n.
- No special gateway is required to remotely control the product via Wi-Fi.
- Wi-Fi passwords should not include special characters such as ~! @#\$%^&*().
- Make sure your Wi-Fi internet is stable and the signal is strong enough in the installation location.

2. PRODUCT OVERVIEW

2.1. PRODUCT DIAGRAM



2.2. MAIN FUNCTIONS

- It can detect motion but also static presence in the detection area.
- Adjustable sensitivity from Low (motion detection) to high (it can detect static presence, including human breath)
- Adjustable detection length from 1.5 to 6 meters (+/- 0.75m tolerance level)

- Wide area of detection of 120 degrees.
- Remote status check and control from anywhere through Tellur Smart APP
- Compatible with Amazon Alexa & Google Home
- History record, on/off option for presence notification.
- Delay presence status adjustable 3s – 29:59min. It can hold the presence status for more time even if the real status has changed.

2.3.NOTES

For full technical specifications please check Chapter 9

3. PRODUCT INSTALLATION

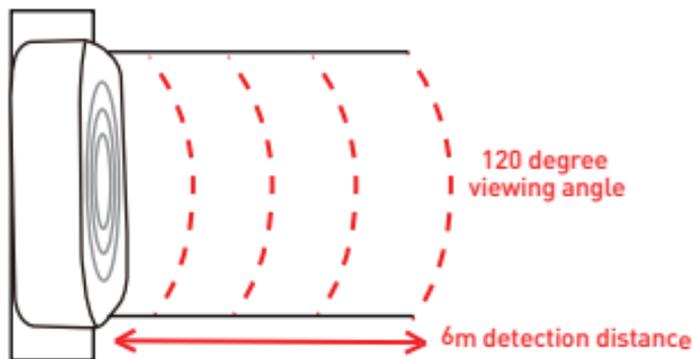
3.1. PREPARATIONS AND CHECKS BEFORE INSTALLATION

- Respect the safety measures and use proper and sturdy tools (ex: ladders, chairs) when installing the product at a bigger height from the ground.
- Respect the technical specifications of the product and do not use it outside the declared operating parameters.

3.2. MOUNTING DIAGRAM

- The recommended height of installation is 1.2 – 2.1 meters from the floor, on the wall or ceiling.

- Face the presence sensor to desired area of detection keeping in mind the 120 degrees viewing angle and max 6 meters detection distance.



3.3. NOTES

- For Troubleshooting please check Chapter 8

4. PAIRING THE DEVICE WITH TELLUR SMART APP

4.1. ATTENTION

- This device only supports a 2.4GHz frequency band router, does not support a 5GHz frequency band router.
- Make sure your phone is connected to the 2.4GHz wireless network and you have access to Wi-Fi password before you start the pairing procedure.
- The app doesn't support Wi-Fi 6 networks with 802.11ax standard. Please set the 2.4GHz Wi-Fi network to 802.11b/g/n
- Wi-Fi passwords should not include special characters such as ~!@#\$%^&*().
- We also recommend having the Bluetooth function activated for easier pairing.
- Make sure the Wi-Fi signal is strong enough in the area where the device will be installed.

4.2. DOWNLOAD AND INSTALL THE TELLUR SMART APP

Available for either iOS or Android devices.



4.3. CREATE AN ACCOUNT

Once downloaded, the app will ask you to create an account (if you don't have one already). Enter your email, select the country you live in and create a password for your Tellur Smart account.



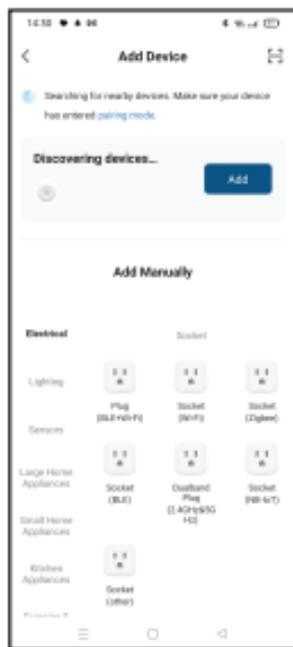
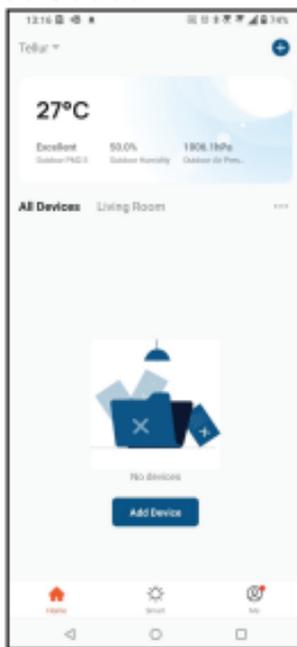
4.4. PRODUCT PAIRING WITH TELLUR SMART APP

• Option 1 Bluetooth – Recommended.

-We recommend having the Bluetooth function of the smartphone activated for easier pairing.

-Power on the sensor and press the button until the LED is flashing.

-When in pairing mode, the app will automatically detect the device to be added.



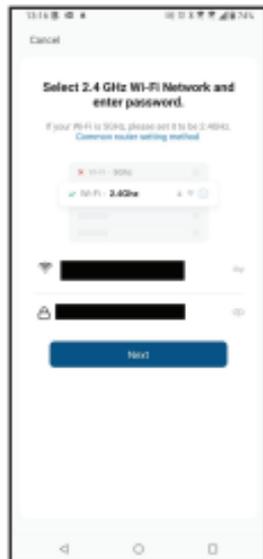
• Option 2 EZ Mode

-Open the Tellur Smart app and click "Add device" or "+" and then select "Sensors" -> "Sensor (Wi-Fi)".

• Power on the sensor and press the button until the LED is flashing.

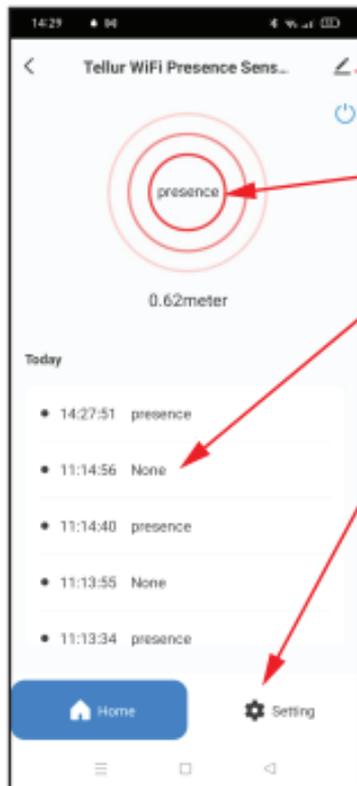
• Select the Wi-Fi network, input your Wi-Fi password and click "Next".

• Wait for the device to be added automatically. Tap "Done" when finished and the device will appear in your list.



5. TELLUR SMART APP FEATURES

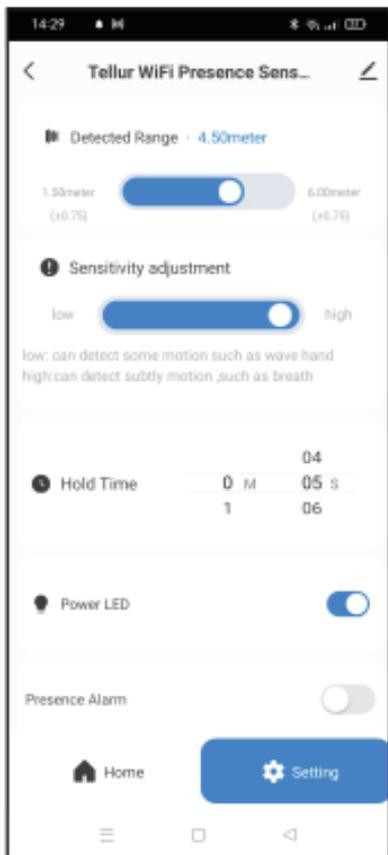
5.1. Main interface



1. Device info.
2. On/OFF button
3. Real time status
4. History Record
5. Settings

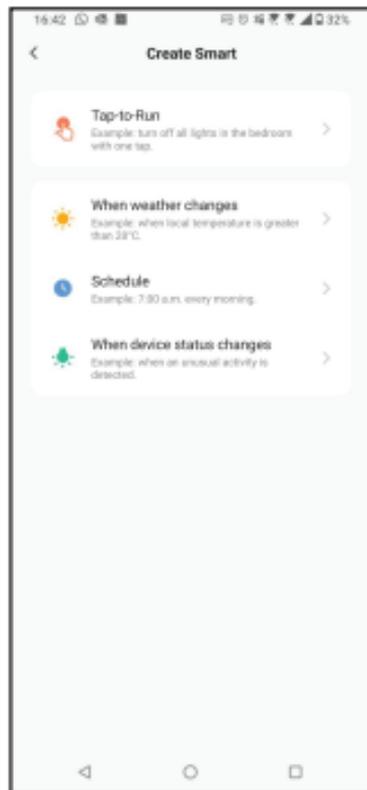
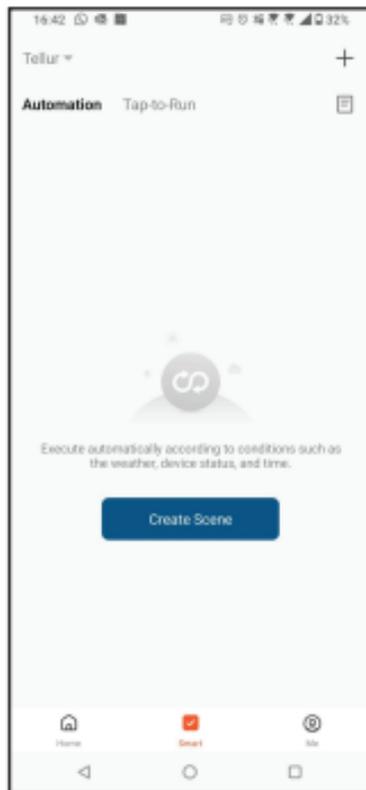
5.2 SETTINGS

- You can set the detection range from 1.5 meters to maximum 6 meters, adjust the sensitivity from low to high, hold time for presence state.
- Additional options to turn on/off the LED indicator and activate presence notifications.

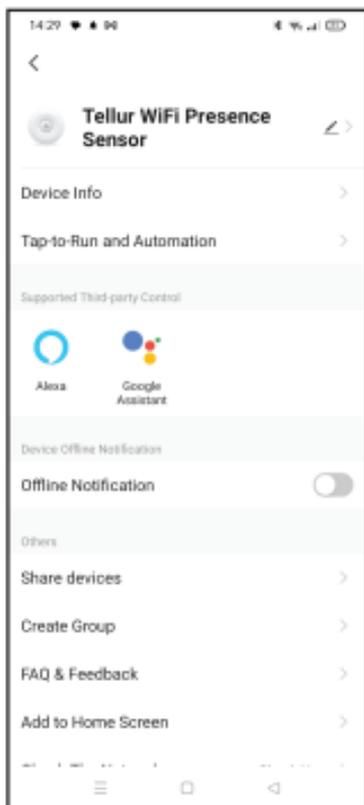


5.3. OTHERS

- **Smart** - Create various automations and scenarios using weather changes, other devices behavior or schedules



- **Device info** – You can share the device with others, check for firmware updates, rename, set location, remove, or get notification if the device becomes offline.



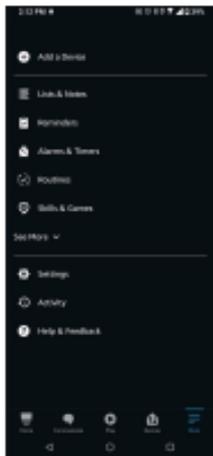
6. AMAZON ALEXA INTEGRATION

NOTE – A smart display compatible with Amazon Alexa is needed for a live preview of the solar camera.

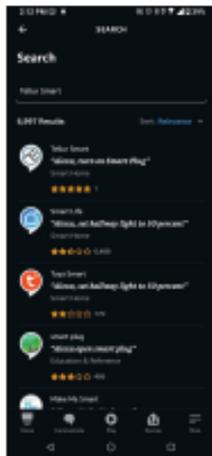
1. Go to Home menu on Alexa app.
2. Select "Skills" / "Skills & Games".
3. Type Tellur Smart in the search bar.
4. Select Tellur Smart and click "Enable" to activate Tellur Smart.
5. Enter your Tellur Smart account and password. Now you have finished the integration with Alexa.

Tellur Smart app is now skilled with Alexa, and you can vocally control the devices added in Tellur Smart.

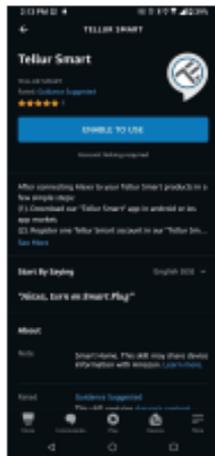
Remember - if you rename your smart devices, use a simple name that Alexa can recognize.



1.



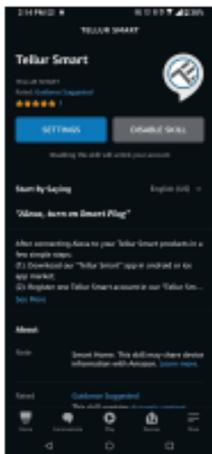
2.



3.



4.



5.

To control your smart devices through Alexa, use simple and concise voice commands. Here is an example for bedroom lighting:

“Alexa, turn off bedroom light”

“Alexa, turn on bedroom light”

“Alexa, dim bedroom light”

7. GOOGLE ASSISTANT INTEGRATION

NOTE – A smart display compatible with Google Home is needed for a live preview of the solar camera

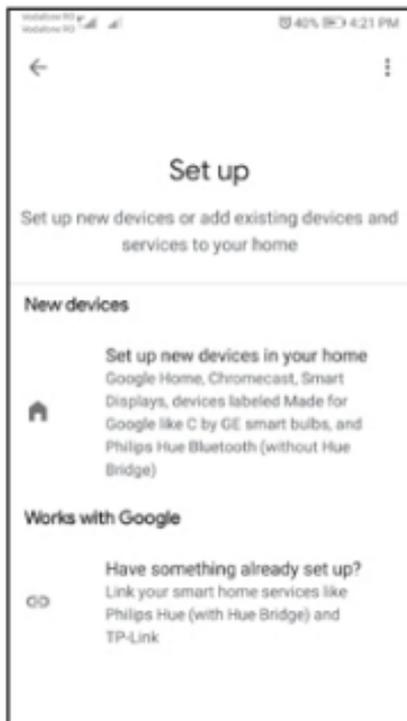
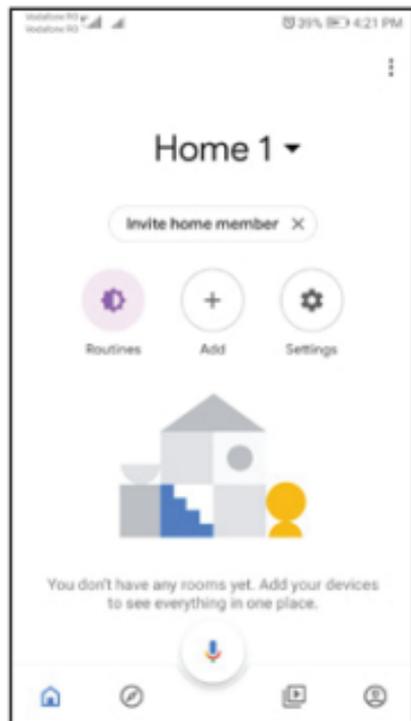
Before using Google Home to control your devices, make sure you meet the following conditions:

- You have a Google Home device or an Android device with Google Assistant.
- You have the newest version of Google Home app.
- You have the newest version of Google app (Android only).
- The device display language is set to English US.
- You have the Tellur Smart app and a related account.

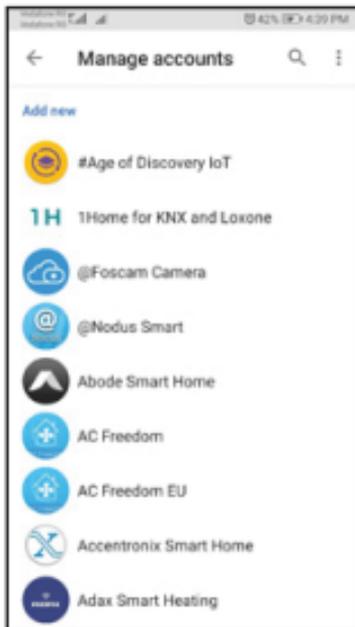
Add devices in Tellur Smart app (refer to app instructions) – you can skip this part if you have already added some devices to your Tellur Smart account. Make sure your devices' names are easily recognizable.

Link account in Home Control

1. Go to Google Home's homepage and tap "+".



2. Hit the "Add new" button, enter Tellur Smart in the search bar, and select the app from the list. Next, select your Tellur Smart account's region, enter your Tellur Smart account and password, and tap "Link now". After you assign rooms for devices, your devices will be listed in the Home Control page.



Now you can control your smart devices through Google Home. Take bedroom light as example – the supported voice commands are as below:

- Ok Google, turn on/off bedroom light.
- Ok Google, set bedroom light to 50 percent.
- Ok Google, brighten bedroom light.
- Ok Google, dim bedroom light.
- Ok Google, set bedroom light to red.

8. TROUBLESHOOTING

- Make sure the device is powered on and the connection to the power supply is good.
- Check the Wi-Fi connection of your phone.
- Check if the device is in pairing mode. Reset your smart device to enter pairing mode.
- Check router or related: If you use a dual-band router, select the 2.4GHz network to add the device. You also need to enable the router's broadcasting function. Set encryption method as WPA2-PSK and authorization type as AES or set both on "auto".
- Check if the Wi-Fi signal is strong enough. To maintain the signal strong, keep your router and the smart device as close as possible.

- Wireless mode should be 802.11.b/g/n (Wi-Fi 6 protocol 802.11ax is not supported)
- Make sure you don't exceed the maximum number of registered devices supported by the app (150).
- Check if the router's MAC filtering function is enabled. If so, remove the device from the filter list and make sure the router is not prohibiting the device connection.
- Make sure the Wi-Fi password entered in the app is correct.

Can I control the device with 3G/4G/5G network?

When adding the device for the first time, the device and the phone need to be connected to the same Wi-Fi network. Once the device has been successfully paired with the Tellur Smart app, you can remotely control it via 3G/4G/5G networks.

How can I share my device with my family?

Open Tellur Smart app, go to "Profile" -> "Device sharing" -> "Sharing sent", tap "Add sharing" and share the device with the added family members.

Notice - users must install the Tellur Smart app on their device to see shared devices.

How can I manage the devices shared by others?

Open App, go to "Profile" > "Device Sharing" > "Sharing Received", then you can find the devices shared by other users. To delete a shared device, swipe left.

9. TECHNICAL SPECIFICATIONS

Power supply:	USB-C port 5V 1A
Sensor type:	24GHz Microwave Radar
Transmission Power:	<19dBm
Detection distance:	1.5 - 6 meters adjustable
Area of detection:	120°
Sensitivity:	Adjustable, 10 levels
History record:	Yes
Presence notification:	Yes
Delay presence status:	3s - 29:59min adjustable
Smart App name:	Tellur Smart
Compatibility	Devices with Android 4.1 / iOS 8 or higher
Google Home:	Compatible
Amazon Alexa:	Compatible
Power consumption:	Max 1W
Wi-Fi standard:	IEEE 802.11b/g/n
Supported Wi-Fi network:	2.4GHz
Working condition temperature:	-10°C - 50°C
Working condition humidity:	Max 95% RH
Product dimensions:	60 x 60 x 15mm
Product weight:	30g
Color:	White
Package includes:	1 x Smart Wi-Fi Presence Sensor 1 x USB-C to USB A cable, 1 meter 1 x User manual

Disposal and recycling information



The crossed-out wheeled-bin symbol on your product, battery, literature, or packaging reminds you that all electronic products and batteries must be taken to separate waste collection points at the end of their working lives; they must not be disposed of in the normal waste stream with household garbage.

It is the responsibility of the user to dispose of the equipment using a designated collection point or service for separate recycling of waste electrical and electronic equipment (WEEE) and batteries according to local laws.

Proper collection and recycling of your equipment helps ensure EEE waste is recycled in a manner that conserves valuable materials and protects human health and the environment, improper handling, accidental breakage, damage, and/or improper recycling at the end of its life may be harmful for health and environment.

Declaration of conformity

We, ABN SYSTEMS INTERNATIONAL S.A, Bucharest, Sector 1, Marinariilor street, no. 31, declare on own responsibility that the product below:

Product description	Brand	Product code
Tellur Smart WiFi Presence Sensor, Microwave Radar 24GHz, USB-C, white	Tellur	TLL331552

Does not endanger life, health, work safety, does not have a negative impact on the environment and corresponds to the standards stated in the manufacturer's declaration of conformity.

The product is compliant with the following standards and / or other normative documents:

RED 2014/53EU:

EMC:

ETSI EN 301 489-1 V.2.2.3: 2019-11

ETSI EN 301 489-17 V3.2.6: 2023-06

RADIO:

ETSI EN 300 328 V2.2.2: 2019-07

HEALTH:

EN 62311: 2020

SAFETY:

EN 62368-1: 2014+A11: 2017

ROHS - 2011/65/EU

The product bears CE mark, applied in 2023.

Name: George Barbu

Function: General manager

Place and date: Bucharest, 19.09.2023

Signed:

