TREON

Asset Node

Quickstart Guide, Safety, and Warranty

v 1.0

Product description

Treon Asset Node is a wireless battery-operated sensor device for monitoring assets in harsh environments. It monitors temperature and detects shocks and reports any abnormality over a Wirepas Mesh network.
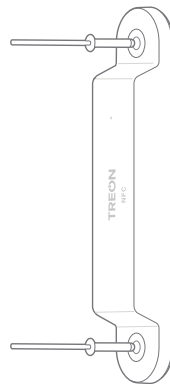
Treon Asset Node operates in a mesh network transmitting sensor values directly or via other nodes to a gateway, such as Treon Gateway. Typically, the data is sent from the gateway to a cloud backend for storage and analysis.

1

Mount the node

For the most secure mounting, use a rivet gun with 5 mm rivets or a screwdriver and 5 mm screws.

You can also use double-sided industrial adhesive tape to attach the node to a surface.

⚠️ Do not cover the node as it prevents the node from operating properly.
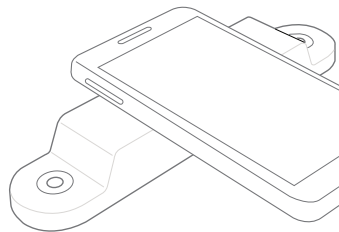
2

Switch on the node

Use an NFC reader, such as an NFC-enabled mobile phone to switch on the node: switch on NFC on the reader and touch the node with the reader.

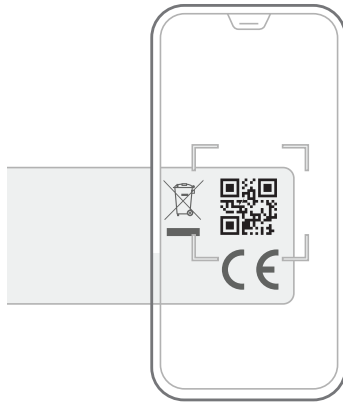If the node does not find a gateway within 10 minutes, it switches off.

You can also use the Treon mobile app to switch the node on and off.

3

Read the node ID

The identification number of the node is printed on the sticker attached to the node. You can also read it from the QR code on the sticker, or use an NFC-reader or the Treon mobile app to read the node's ID.

Product info

Important
For important info on the safe use of your device, read the Safety Guide.

Operating frequencies: 2400MHz - 2483.5MHz

Maximum power: +8 dBm

Operating temperature range: -30 - +85°C
Recommended storage temperature range: +1 - +30C

Battery
Battery type: 3.6V A lithium thionyl chloride (LI-SOCI2) bobbin cell primary battery.

The battery is non-removable. If the battery wears out, replace the node.

NORWAY. This device is not allowed to be used within a 20 km radius of the centre of Ny-Ålesund at Svalbard, Norway.

CERTIFICATION INFORMATION

Manufacturer
Treon Oy, Visiokatu 3, 33720 Tampere, Finland.

EU DECLARATION OF CONFORMITY

Hereby, Treon Oy declares that the radio equipment Treon Asset Node is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

https://www.treon.fi/documentation

Safety guide and Warranty

Introduction

Read these simple guidelines. Not following them may be dangerous or against local laws and regulations. For further information visit

https://www.treon.fi/documentation

Care and maintenance

Handle your device with care. The following suggestions help you keep your device operational.

- Do not open the device other than as instructed in the user guide.

- Unauthorized modifications may damage the device and violate regulations governing radio devices.

- Do not drop, knock, or shake the device. Rough handling can break it.

- Only use a soft, clean, dry cloth to clean the surface of the device. Do not clean the device with solvents, toxic chemicals or strong detergents as they may damage your device and void the warranty.

- Do not paint the device. Paint can prevent proper operation.

- The node is dust and splash proof. However, it is not recommended to immerse it in water.

Damage

If the device is damaged contact **support@treon.fi.** Only qualified personnel may repair this device.

Interference with medical devices

The device may emit radio waves, which could affect the operation of nearby electronics, including cardiac pacemakers, hearing aids and defibrillators. If you have a pacemaker or other implanted medical device, do not use the device without first consulting your doctor or the manufacturer of your medical device. Maintain a safe distance between the device and your medical devices and stop using the device if you observe a persistent interference with your medical device.

Recycle

Check the local regulations for proper disposal of electronic products.

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life. The purpose of this Directive is, as a first priority, the prevention of

WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.

The crossed-out wheelie-bin symbol on your product, battery, literature, or packaging reminds you that all electrical and electronic products and batteries must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.

WARRANTY

Treon Limited Warranty document is available at the following internet address:

https://www.treon.fi/documentation