netsens MN-0146-EO IoT Wireless Data Detection Unit User Guide

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Contents

Introduction

The Netsens IoT system consists of a base and receiving station, and a series of remote wireless units installed in the field, independent of each other.

The wireless units are powered by a long-life internal battery, which guarantees long maintenance and replacement intervals. Each base station has an IoT receiver that acquires the data of the units in the field and allows the transmission to the central acquisition system (LiveData® cloud system or other).

Use restrictions and warning – FCC

1. 1.Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Device MN-0146-EO, MN-0147-EO: FCC ID: 2A6TE-MN014XEO
3. This device complies with part 15 of the FCC Rules. 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.
4. 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 harmfulinterference to radio communications. However, there is no guarantee that interference will not occur in aparticular 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.

RF Radiation Exposure statement

This product complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Technical Specifications

Electrical specification:

Wireless unit (MN-0146-EO):

- Battery Type: Lithium, Non Rechargeable – C Size SAFT LSH14
- Nominal Voltage: 3.6 Vdc
- Nominal capacity: 7.7 Ah
- Mean Stand-By current consumption: <3uA
- Mean Active current consumption (No Ext. sensors): 8 mA in 10 sec
- Mean Active current consumption with 4x SMT-2 sensors: 30 mA in 25 sec

Wireless Receiver/Repeater (MN-0147-EO):

- Type: Ext. Power Supply
- Nominal Input Voltage: 12Vdc
- Min Input Voltage: 6Vdc
- Max Input Voltage: 28Vdc
- Mean Active current cons.: 15 mA@12Vd

Local User Interface:

- Reset PushButton(WAKE-UP).
- Input Device (Rotative Mech. Encoder + Click PushButton).
- Double colors Led.
- Audio Beeper.
- LCD Display.
- DipSwitch 8 positions

Local Communication Interface:.

USB Client:

- HID Mode: Parameters Configuration.
- DFU Mode: Device Firmware Update (DipSwitch Selectable).

RS485 Interface:

- Ext Device Comm.(WSCOMM or MODBUS).
- MeteoSense™ communications.

Documents / Resources

Manuale Utente / User Guide Manuale Utente / User Guide **NETSENS** **IoT wireless data detection unit** **MN-0146-EO** **MN-0147-EO** netsens	**[netsens MN-0146-EO IoT Wireless Data Detection Unit](#)** [pdf] User Guide 2A6TE-MN014XEO, 2A6TEMN014XEO, mn014xeo, MN-0146-EO, MN-0146-EO IoT Wireless Data Detection Unit, IoT Wireless Data Detection Unit, Wireless Data Detection Unit, Data Detection Unit, Detection Unit

References

- 🌐 **[Netsens LiveData Login](#)**
- ⬛ **[Netsens - Agricoltura 4.0, Stazioni meteo professionali, Sensori meteo climatici](#)**
- ⬛ **[Netsens - Agricoltura 4.0, Stazioni meteo professionali, Sensori meteo climatici](#)**