

SensoNODE™

Blue

Sensors



FC ID: 2ACDM-SNG4
IC: 11983A-SNG4



ENGINEERING YOUR SUCCESS.

www.parker.com/conditionmonitoring 763.544.7781

FCC Disclaimer

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. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA).

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Install Battery

1. **Unlock:** Remove T-15 Torx drive screws.
2. **Remove cap:** Pull the cap away from the body.
3. **Insert:** Insert the battery (CR123A or Parker PN# QX-008-121) in the proper orientation (symbols are molded in housing for easy identification).
4. **Install cap:** Push the cap onto the body.
5. **Lock:** Install the T-15 Torx drive screws.

LED Status

- **Red** → **Green** → **Blue**: Startup sequence. This will change to just blue flashing.

Note: if this keeps repeating after startup, the battery is low and needs to be replaced.

- **Blue** (flashing) – Sensor looking for a connection.

Gen2 generation sensors will continue the blue flashing while in unconnected state.

Gen4 newest generation of SensoNODE, after approximately 1 minute the LED will change from the flashing blue LED to now mimic the Connected Mode** LED status to provide a visual indication of the sensor measurement value.

LED Status (Connected Mode)**

- **Green** (single brief flash) – Sensor measurement – Sensor reading between 0% and 25% of span
- **Yellow** (single brief flash) – Sensor measurement – Sensor reading between 25% and 50% of span
- **Orange** (single brief flash) – Sensor measurement – Sensor reading between 50% and 75% of span
- **Red** (single brief flash) – Sensor measurement – Sensor reading between 75% and 100% of span

Components

a. **Cap**

b. **Antenna**

c. **Body**

d. **T-15 Battery
Cover Screw**

e. **LED**

f. **Power Button**



Power On

Press the power button. (Sensor will power up when battery is inserted.)

Power Off

Pushing and holding the power button down for more than 3 seconds will turn off the sensor. As the button is held down, you will see the **red** LED remains solid, then after 3 seconds the LED will flash **orange** and then **red** again, and the sensor will turn off.

Voice of the Machine™ Mobile App

This SensoNODE Sensor delivers data through Parker's Voice of the Machine Mobile App.

Visit the App Store or Google Play to download the free Mobile App.

Voice of the Machine Mobile requires iOS 9 or newer and Android 4.4 or newer.



Available on the
App Store



ANDROID APP ON
Google play

Quick Start Guide



Download VoM Mobile App

Enable Bluetooth on mobile device

Open app on mobile device

Tap 'OK' on the informational popup

Tap 'ALLOW' on the permissions popup

Tap the '+' icon

Tap the desired, available sensor

Tap 'ADD'

Start reading sensor measurements

Broadcast vs Connected Mode Differences

Broadcast Mode	Always on, always available.
	Viewable on multiple devices simultaneously.
Connected Mode	Viewable by single connected device.
	Bi-directional communication to change settings on sensor.

Digital Transmission System

Frequency Range: 2402.0 MHz - 2480.0 MHz

Output Power: 0.0077 Watts (8.9 dBm EIRP)

Scan/Transmission Rates

4th Generation

Data Transmission Interval (secs)	Broadcast Mode Runtime (days)	Connected Mode Runtime (days)
1	863	531
2	1,274	912
5	1,805	1,492
10	3,003	2,047
30	3,642	2,502
60	5,588	2,928
120	7,092	3,287

*the above runtime values are an average of all sensor types and variants

Package Contents

- SensoNODE™ Sensor

For resources and FAQ's visit:



00179-18-11018

"Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário."

Support

Parker Hannifin Corporation
Quick Coupling Division
Minneapolis, MN



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