

SensePoint Motor



The SensePoint Motor is designed to verify the health of electric motors by monitoring the motor currents and temperatures of various components. It has three 333mV CT channels for monitoring current on each motor phase and eight PT100 RTD channels. A single optoisolated input can monitor contact closures or alerts from the motor. A digital pulse input can monitor switches or pulse sensors, such as flow meters.

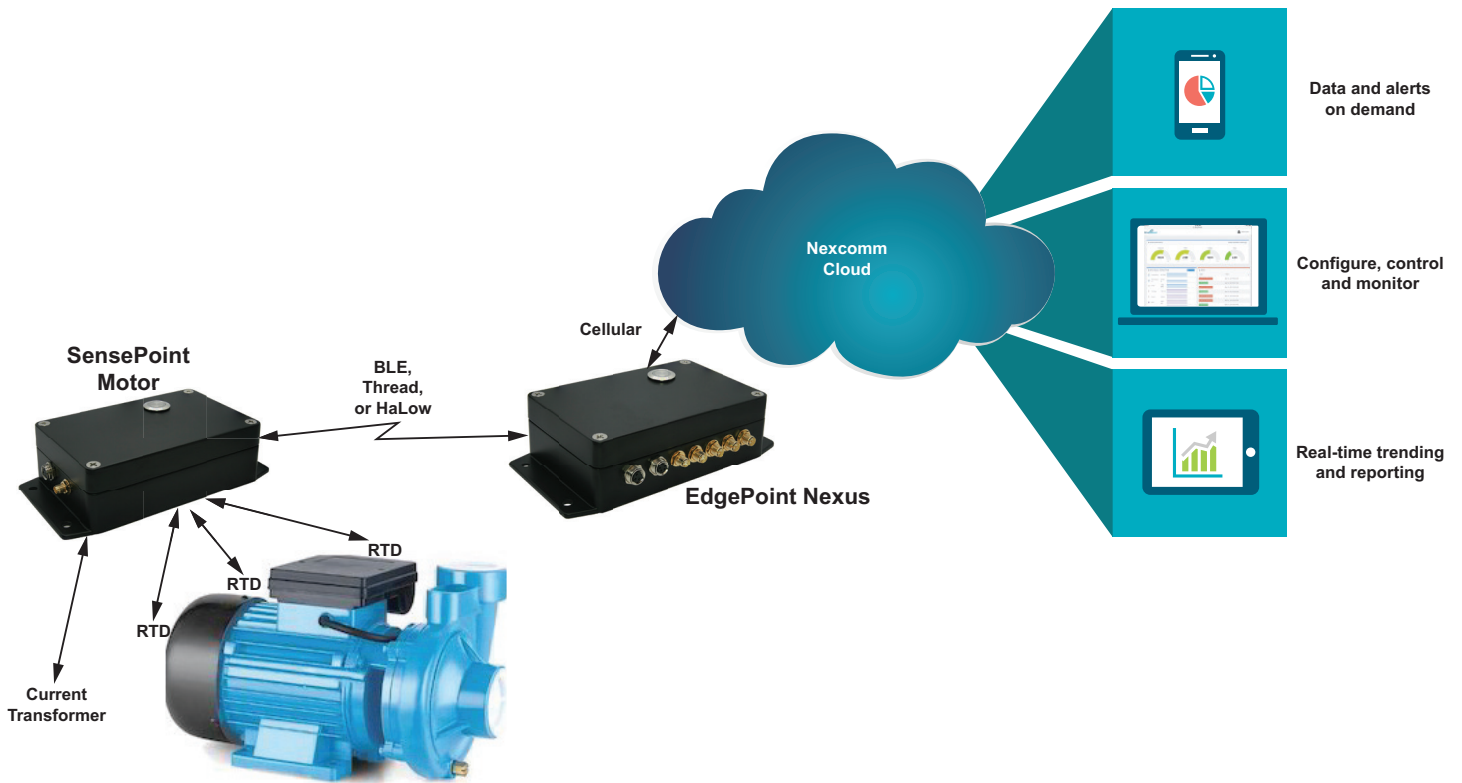
It communicates with an EdgePoint gateway over a customized Thread wireless link for configuration and sensor measurements.

Housed in an IP67/68 diecast aluminum enclosure, it can be powered from 9 to 36V, making the SensePoint Motor ideal for installation on many DC motor systems.

Benefits

- Eight PT100 RTD analog inputs for temperature sensing multiple elements of a motor rather than just ambient temperature inside the housing.
- Three 0 to 1V analog inputs for current transformers to monitor the current in each motor phase.
- 110VAC optoisolated digital input to monitor a contactor or switch.
- 3.3V resistive or pulse input for level or flow sensors.
- Bluetooth Low Energy, Wi-Fi HaLow, or Thread wireless connection.
- Small size, simplifying integration into end products.
- Works with any EdgePoint edge computer.
- Port configuration, sensor conversion and update rates are done from the website.
- Custom labeling and packaging are available.
- Customized website and API cloud connections are available.





SensePoint Motor Specifications

Electrical

Operating Voltage: 9 to 36VDC, reverse polarity protected

Communications:

Bluetooth Low Energy or Thread
Optional Wi-Fi HaLow

Inputs:

Eight PT100 RTD analog inputs
Three 0 to 1V analog inputs for current transformers
One 110VAC optoisolated digital on / off input
One 3.3V resistive or pulse input

Environmental:

Operating temperature: -40°C to +85°C (-40°F to +185°F)

Mechanical:

3.14 x 4.90 x 1.59 Inches (79.76 x 124.46 x 40.39mm)

