



## IntelliSensor™ Product Description

The IntelliSensor™ is a cost effective, wireless monitoring system operating on the 802.15.4 ZigBee® standard for storing and communicating final rinse temperature and rinse cycle duration in dishwasher applications, among other features. Sensors transmit data wirelessly to the IntelliGate™. The IntelliGate™ unit temporarily stores and processes all of the data from the IntelliSensor™ units and relays the received data over Ethernet to the FusionLive™ software, allowing for an easy creation of a centrally managed monitoring application.



Using a custom patent-pending algorithm, the unit can measure the final rinse cycle water temperature. The device can report the duration of the rinse cycle and if the temperature in that cycle was hot enough to properly sanitize what is being washed.

## IntelliSensor™ Features

- ▶ Battery powered wireless solution operates via ZigBee®
- ▶ Completely wireless (No need for power or data cables)
- ▶ Battery lasts up to 10 years
- ▶ Strongest wireless transmitter on the market
- ▶ Supports meshed networking for increased reliability and range
- ▶ Sensors equipped with data loggers capable of storing data internally
- ▶ Completely integrated solution with FusionLive™ Software
- ▶ No hardware configuration needed (Sensors automatically join network)
- ▶ Firmware can be updated wirelessly (over-the-air)
- ▶ User configurable transmission interval (over-the-air)
- ▶ Conformal coated board for moisture rich operating environments

## IntelliSensor™ Specifications

- ▶ Operating temperature of -40 °C to 85 °C
- ▶ Operating humidity of 0 to 100 %, non-condensing
- ▶ 0.1 °C Temperature resolution
- ▶ ± 1 °C Accuracy (± 0.5 °C with calibration)

