E-Control Systems, Inc.

IntelliSensor™ for Temperature and Door

IntelliSensor™ Product Description

The IntelliSensor™ is a cost effective, wireless monitoring system operating on the 802.15.4 ZigBee® standard for storing and communicating temperature and door status information, 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.

IntelliSensor™ Features

▸ Battery powered wireless solution operates via ZigBee®
▸ Temperature and contact closure (door status) readings
▸ Multiple input combinations available in single package (1 to 4 input modules)
▸ 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 up to 1 week-worth of 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)

USDA   FDA   Joint Commission _on Accreditation of Healthcare Organizations_   HACCP   NAFEM