

Description

A simple solution to measure temperature in a room. The sensor uses radio frequency to communicate wirelessly with other EnOcean based devices whenever it detects a change in temperature or more than 0.5K (1F). The sensor is completely self-powered by harvesting ambient solar energy so there are no wires to run or batteries to replace, reducing installation time and eliminating the need for ongoing maintenance



Features & benefits

-  Interoperable. Communicates wirelessly with other devices using the EnOcean wireless standard.
-  Self-Powered. Integrated solar cell harvests indoor light to power the device and eliminates the need for wires or batteries.
-  Single button with LED indicator light enables simple device configuration.

WAvoid costly and time-consuming installation of hard-wired switches. Conserve energy and save money by choosing Entuit.

Typical Applications

Combine the Remote Temperature Sensor with our HVAC set back module for an economical way to control energy use.

Energy Harvesting, Wirelessly

Enjoy unlimited flexibility and performance with En-Ocean enabled energy harvesting wireless solutions.

Systems that enjoy this wireless device benefit from the limitless supplies of energy and unrivaled flexibility

SPECIFICATIONS

Power Supply	Indoor light energy harvesting
Temperature Range	0 - 40 °C (32 - 104 °F)
RF Communications	EnOcean 902 MHz
Transmission Range	30-100 ft (10-33m)
Charge Time before Linking	4 minutes @ 200 lux
Light Required to Maintain Operation	50 lux for 30 transmissions/hour 100 lux for 60 transmissions/hour
Charge Time for Full Charge	20 hours @ 200 lux (after startup) 40 hours @ 200 lux (cold start)
Operating Life in Darkness(after full charge)	4 days: heartbeat only 3 days @ 10 actuations/hour
EEP (EnOcean Equipment Profile)	A5-02-05
Transmission Cycle	Wake-up cycle: ~100s (fixed) Transmission if temperature change of > ±0.5K (±1F) detected Redundant retransmission, every 7-14th wake-up, affected at random
Dimensions (Sensor)	3.15" H x .83" W x .59" D (80mm x 21mm x 15mm)
Agency Compliance	902 MHz Contains: FCC: SZV-STM311U IC: 5713A-STM311U