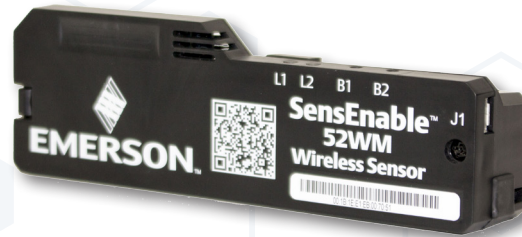


SensEnable™ 52WM Smart Wireless Sensor

Infrastructure Management and Monitoring For Business-Critical Continuity



Overview

The Emerson 52WM Smart Wireless Sensor transmits critical infrastructure data from an on-board sensor through WirelessHART, an open standard wireless protocol.

Designed and integrated with Emerson's iCOM-S®, Trellis®, and SITESCAN® control and monitoring systems, the 52WM provides a highly secure and preferred environmental sensing solution for critical data center environments.

From The Experts

"The proliferation of embedded, networked sensors that deliver an astounding volume of data to the business, more commonly known as the Internet of Things, is on the rise.

The business, in turn, can use this data to make superior decisions in real time and see more strategic trends and opportunities over the long term."

Ten Data Center Trends Driving Change in 2015

-Stephen J. Bigelow
Senior Technology Editor
TechTarget



Primary Benefits

◆ Proven Reliability

- Designed using WirelessHART technology employed in critical application networks exceeding 5 billion operating hours
- Self-organizing, self-healing mesh network ensures optimized connectivity for 99.999% data reliability
- Superior interference tolerance obtained through Time Slotted Channel Hopping providing seamless coexistence with other wireless networks
- Provides 4+ years of battery life based on selected reporting intervals

◆ Secure Network Communications

- Always ON AES 128-bit encryption for and secure data protection
- Data and Network Level Security provides key management, end to end security, and message based integrity checks

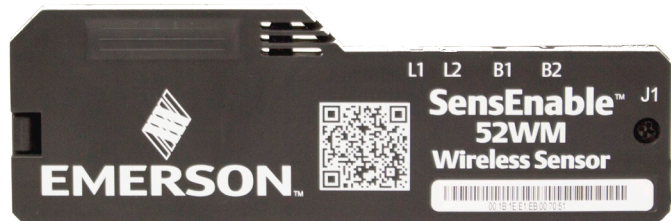
◆ Open Standard and Easy to Deploy

- Compatible with WirelessHART (IEC 62591) International Standard providing connectivity options with existing WirelessHART sensors
- Quickly deploy in previously inaccessible areas
- Simple Network ID and Join Key provisioning for rapid network connection
- Mesh networking makes it easy to reconfigure and expand the network
- Multiple mounting options for convenient installation

◆ Seamless integration and interoperability with Emerson's iCOM-S®, Trellis®, and SITESCAN® analysis and control applications and Emerson analysis services

- Monitoring and control data for analysis of dynamic facility conditions
- Enables real-time decision making to manage both the IT and facilities infrastructure to optimize Power Usage Effectiveness (PUE)
- Enables improved visibility, understanding, equipment failure prevention, trending analysis and maximized infrastructure control
- Enables Thermal Mapping and CFD Modeling










Push Buttons B1 and B2 for Device Configuration
LED Lights 1 - L1 and L2 Indicate Device Status

To review complete device specifications, additional literature and more, visit us online at www.tod.com

DEVICE SPECIFICATIONS	
Power	Two replaceable AA Lithium Ion batteries
Micro USB Port (J1)	Computer connection using a custom USB to Micro USB connection, can also be used to power the sensor with USB compliant power
Device Dimensions (LxWxH)	132 x 27 x 43 mm [5.2 x 1.0 x 1.6 in]
Operational Environment	Temperature: 0°C to +60°C [32° F to +158° F] / Humidity: 10% to 90% (non-condensing)
Regulatory	FCC Part 15, Subpart C, 15.247; RYR52W, IC ID: 10878A-52WM

52WM WIRELESS SENSOR CONFIGURATIONS					
Configuration	Part #	Sensed Parameters	Operating Environment	Accuracy	Product Image
T	213553	1 - Temperature	0°C to 60°C (32°F to 158°F)	±0.5°C typ	
TH	213556	1 - Temperature 1 - Humidity	0°C to 60°C (32°F to 158°F)	±0.5°C typ. ±3.0% RH, non-condensing	
3T	213554	3 - Temperatures	0°C to 60°C (32°F to 158°F)	±0.5°C typ.	
3TH	213555	3 - Temperatures 1 - Humidity	0°C to 60°C (32°F to 158°F)	±0.5°C typ. ±3.0% RH, non-condensing	
LD	TBD	Liquid Leak Detection	0°C to 60°C (32°F to 158°F)	NA	

The warranty of this product stated in the terms and conditions of sale does not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, negligence (other than Seller's), unauthorized modification or alteration, use beyond rated capacity, or improper installation, maintenance or application. To the extent that Buyer or its agents has supplied specifications, information, representation of operating conditions or other data to Seller in the selection or design of the product and the preparation of Seller's quotation, and in the event that actual operating conditions or other conditions differ from those represented by Buyer, any warranties or other provisions contained herein which are affected by such conditions shall be null and void. Buyer is solely responsible for determining the suitability of this product for its application. Furthermore, Buyer is solely responsible for the function of the end-use product. Seller terms and conditions apply.

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