

# SWN-TRH

## Wireless Temperature & Humidity Sensor

Date: \_\_\_\_\_

Quantity: \_\_\_\_\_

Company: \_\_\_\_\_

Project: \_\_\_\_\_

The Digital Lumens SWN-TRH is a wireless, battery-powered environmental monitoring sensor that collects temperature and relative humidity data. It is designed to be deployed with our SiteWorx® Sense application to deliver powerful reporting, alerts, and actionable intelligence.



### Key Features & Benefits

- Monitor facilities and optimize processes through a real-time stream of actionable environmental data monitoring and alerts
- Dramatically reduce reporting time by automating auditable, secure, and unalterable record storage and reporting
- Adjustable collection rates for better data granularity

### Facility-Wide Insight

SiteWorx Sense and SiteWorx-enabled smart sensors empower facility managers to automate and centralize critical environmental and process data, gain insight into previously invisible areas, apply data trends to minimize loss and leakage, identify predictive maintenance opportunities, and implement activity-based costing.

SiteWorx Sense provides immediate access to customizable alerts, advanced controls, and comprehensive, cloud-based reporting accessible via web and mobile applications.

### Instrument for the IIoT

With Digital Lumens intelligent LED luminaires and Digital Light Agent (DLA) lighting controls, your facility is immediately instrumented with SiteWorx, an easily expandable Industrial IoT solution that enables rapid deployment of additional sensor-based applications that extend beyond lighting to deliver even greater operational insight and create new value streams.

### Quality and Reliability

Digital Lumens products are designed and manufactured to satisfy the highest standards of customers worldwide and deliver performance, reliability, and long life.

As an OSRAM business, Digital Lumens solutions are supported by a global network of partners and product specialists.

Our Brand

 DIGITAL LUMENS

**OSRAM**

## Specifications

### SENSING AND CONTROL

#### Onboard Intelligence

- Temperature and Relative Humidity measurements
- Data logging
- Alerting via SiteWorx Sense

#### Wireless Networking

- IEEE 802.15.4 compliant
- 2.4 GHz Band

### PERFORMANCE

#### Sample Interval

- 1 – 5 minute (5 minute default)

#### Humidity Range

- 0% – 100%

#### Humidity Accuracy

- $\pm 3\%$

#### Temperature Range

- $-40^{\circ}$  –  $140^{\circ}$ F ( $-40^{\circ}$  –  $60^{\circ}$ C)

#### Temperature Accuracy

- $\pm 1.8^{\circ}$ F ( $\pm 0.5^{\circ}$ C)

### ELECTRICAL

#### Battery Type

- (2x) LI-CR123A

#### Battery Life

- 5-Years

### ENVIRONMENTAL

#### Operating Temperature

- $-40^{\circ}$  –  $140^{\circ}$ F ( $-40^{\circ}$  –  $60^{\circ}$ C)

#### Operating Humidity

- 0% – 10%

### PHYSICAL

#### Enclosure

- PC/PBT Plastic

#### Dimensions (H x W x D)

- 3.5 x 2.1 x 1.1 inch (88 x 54 x 28 mm)

#### Weight

- 7.8 oz (222 g)

#### Mounting Hole Spacing

- (2x) centerline; 3.1 inch (78 mm) apart

#### Mounting Hole Diameter

- 0.21 inch (5.3 mm)

### WARRANTY

- 5-Year Limited Warranty

### CERTIFICATIONS & SAFETY

#### Approbations

- FCC Part 15 Class B, CE, NSF Splash Zone

#### Environmental Suitability

- IP65



## Ordering Information

#### Part Number

SWN-TRH-GP

### Digital Lumens

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## Dimensions

