SWN-WIO
Wireless Input/Output Module

Date: _____
Quantity: _____
Company: _____
Project: _____

The SWN-WIO is a DIN rail-mounted, wireless, multi-function I/O module that provides the ability to integrate a wide-range of industrial sensors and collect actionable facility, process, and production data with SiteWorx Sense.

Key Features & Benefits

- Native Modbus Support — you can utilize serial Modbus-enabled sensors and monitoring devices within SiteWorx Sense. Devices such as Airborne Particle Counters, Air Quality Monitors, Differential Pressure Sensors, Flow Sensors, Accelerometers, Gas Sensors, and more are supported.
- Native 0-10v and 4 to 10 mA compatibility to interface with a variety of industrial sensors, reducing cost and complexity with integrated wireless
- Monitor facility environment, optimize processes, or better understand line-level cost allocation through real-time data
- Dramatically reduce reporting time by automating auditable, secure, and unalterable record storage and reporting
- Incorporates Lightelligence®, the Digital Lumens core technology that ensures openness, connectivity, scalability, and security

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 Lightelligence 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.

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Specifications

SENSING AND CONTROL

Wireless Networking
- IEEE 802.15.4 compliant
- 2.4 GHz Band

Connected IoT Platform
- SiteWorx Sense

PERFORMANCE

Analog Measurement Accuracy
- Voltage mode ±2%
- Current mode ±2%

Sampling Rate
- 1 sample / minute default

Sample Interval
- 1 to 5 minute (5 minute default)

Sampling Resolution
- 12-bit

ELECTRICAL

Input Voltage
- 120 to 277 VAC or 24 VDC (Class 2)

Input Power Consumption
- 0.5 W quiescent, 4 W maximum

Surge Protection
- Per IEC60730

Analog Inputs
- (2x) 4 to 20mA / 0 to 10 VDC

Analog Input Voltage (in Voltage Mode)
- 0 to 24 VDC (1.5V in 4 to 20mA mode)

Relay Output
- Switch relay up to 60V, 0.5A

Auxiliary Output
- 24 VDC, 2.75 W maximum

Serial Port
- Electrically isolated RS-485

ENVIRONMENTAL

Operating Temperature
- -20˚ to 50˚C (-4˚ to 122˚F)

Operating Humidity
- 0% to 95%, non-condensing

PHYSICAL

Enclosure
- PC plastic

Dimensions (H x W x D)
- 107 x 91 x 58 mm (4.2 x 3.6 x 2.3 inches)

Weight
- 224 g (7.9 oz)

Mounting Method
- DIN Rail — 35 mm (1.4 inches)

WARRANTY
- 5-Year Limited

CERTIFICATIONS & SAFETY

Approbations
- UL/cUL, UL-NOM (pending), CE, FCC Part 15 Class B

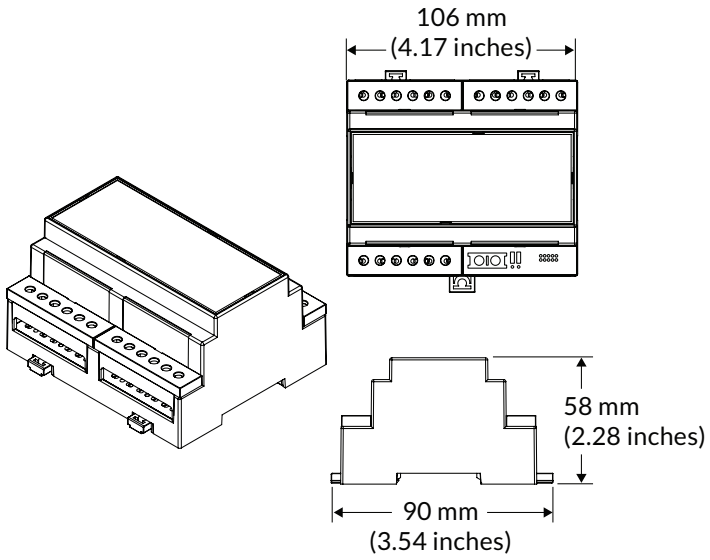
Environmental Suitability
- IP20

lightelligence enabled

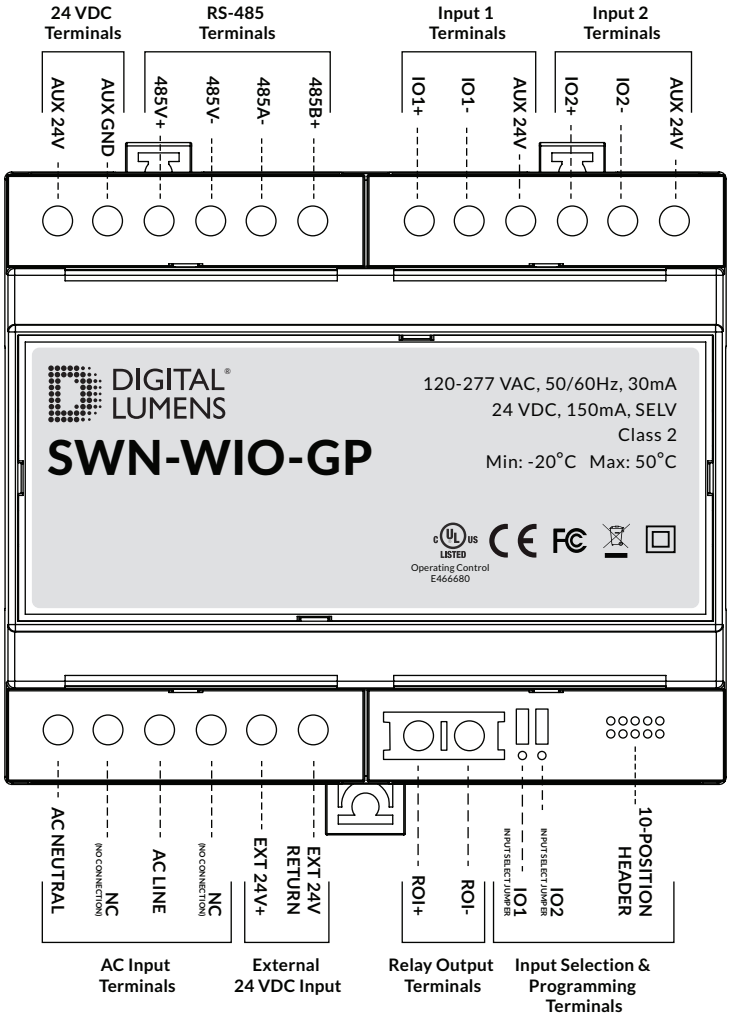
Ordering Information

Part Number
SWN-WIO-GP

Dimensions



Connection Terminal Diagram



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