



Igor® Nexos™ Advanced Sensor and Device List

The Igor Nexos platform is easily extensible with a wide array of advanced sensors and devices. Igor PoE nodes can provide low voltage DC power to these devices and interact with them on a number of levels from basic analog signals up to 2-way serial communication. This flexibility allows Nexos to bring data from these non-IP devices onto the IoT network and beyond.

This document contains model numbers and descriptions for the following advanced sensors and devices that have been tested and approved for use with the Igor PoE lighting solution:

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QUESTIONS? If you have questions about compatibility with any devices not found in this document, please contact Igor Technical Services. Our Technical Services phone line is staffed from 7:00 A.M. to 5:00 P.M. Central time, Monday through Friday, except for U.S. holidays. If arranged in advance, we can have an engineer available during local business hours.

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Advanced Sensors

Manufacturer	Model	Description
Enlighted	SU-5E	Indoor Occupancy, Temperature and Ambient Light Level Sensor with Bluetooth Low Energy Communication Capabilities
Ivani	4S	Motion Detection, Daylight Level, Temperature and Bluetooth. Allows Implementation of Energy Management Lighting Controls, Security Applications, Space Utilization and Real-Time Location Services
Omron	2JCIE-BU	USB Environmental Sensor for Measuring Temperature, Humidity, Ambient Light, Barometric Pressure, Sound Level, 3-Axis Acceleration and VOC's

Door Strike Locks

Manufacturer	Model	Description
UHPPOTE	UT0511-138	ANSI Standard Heavy Duty Electric Door Strike Lock Fail-Secure or Fail-Safe Adjustable for Access Control Cylindrical Locksets (Input Voltage 12VDC)
	UT0511-136NO	ANSI Standard Heavy Duty Electric Strike Lock for Access Control System Mortise or Cylindrical Lock (Fail-Secure)
	UT0511-130NC	Electric Strike Door Lock Fail-Secure for Access Control System Deadlatches or Cylindrical Locksets
	UT0511-621	Electric Strike Lock 12VDC for Access Control Fire Exit Door Rim Exit Devices with Push Bar
Seco-Larm	SD-994A-A1AQ	Reversible Electric Door Strikes for Wood Doors 8~16VAC/12VDC

Door/Window Closure Sensors

Manufacturer	Model	Description
UHPPOTE	UT-RZ-40NC	Normal Closed Wired Screw-Terminal Surface-Mount Magnetic Contact for Window Door Security
Gufastore	B07F314V3Z	Surface Mount Alarm 10W 100V 0.5A in Max Magnetic Contact Ideal for Door Window Security with Lead Wire and 3M Adhesive Paper
Mbangde	B01M8JCGSO	Wired Magnetic Door Window Contact Reed Switch - NC
Ademco	7939WG-WH	Surface Mount Contacts (White)

Environmental Sensors

Manufacturer	Model	Description
Tekmar	084*	Indoor Temperature Sensor, Flush Mount
	086*	Indoor Humidity and Temperature Sensor, Flush Mount
Veris	C Series	Indoor CO2, Humidity and Temperature Sensors

*- Requires 10K NTC thermistor to linear voltage conversion transmitter

Motorized Shades

Manufacturer	Model	Description
Somfy	Sonesse® 30 RS485	24VDC Motorized Shade with RS485 Communication
	Sonesse® ULTRA 50 DC RS485	24VDC Motorized Shade with RS485 Communication

Power Meters

Manufacturer	Model	Description
Continental Control Systems, LLC	WattNode Modbus	A kilowatt hour (kWh) energy and power meter that communicates on a EIA RS-485 network, measures 1, 2, or 3 phases with voltages from 120 to 600 volts VAC and currents from 5 to 6,000 amps

People Counting Sensors

Manufacturer	Model	Description
Irisys	Vector4D Analytic	Infrared People Counting Sensor

Touchscreen User Interface

Manufacturer	Model	Description
4D Systems	Discovery 50	5.0" Intelligent Touchscreen. May be used for Lighting, Thermostat and Shade Control

END.