

OpenADR Demand Response

Works with any new or existing Avi-on network

Easy to Install

Works with any new or existing Avi-on network and requires no other changes or additions to the Avi-on system.

Fully Certified

OpenADR 2.0(a) and 2.0(b) certified (Version 1.12), and is compliant for all facilities required to be OpenADR ready for California Title 24

Simple Interface

A single Avi-on Open ADR interface per building, one Sensor Input Module per load reduction strategy, and one power supply

Demand Response

Demand response is an increasing requirement of building codes, and represents an opportunity to create further economic value from Avi-on Networked Lighting Controls



HOW IT WORKS

The OpenADR interface is linked to the specific utility program dispatch centers desired for the project site. The program responses are configured in the interface configuration tool and then stored in the device firmware. It is possible to configure multiple program triggers. For example; extreme, moderate, or others. The interface sends triggers to the Avi-on network to implement load reduction scenarios. It is possible to create multiple program responses and target different response levels to different areas of the building. All configuration and management can be done remotely.

Certification Link: <https://products.openadr.org/product/avi-on-labs-inc-isy994-avion-oadr/>

HARDWARE REQUIREMENTS

A single Avi-on Open ADR interface per building (ISY994-AVION-OADR). One Avi-on Sensor Input Module (AVI-SIM-12-24VDC-EA) per load reduction strategy, and one power supply (AVI-PS-277-12-250). If remote programming of the demand response scenarios is required, one Remote Access Bridge (2001RAB-KIT-C-E).

Part Number	Name	Description
ISY994-AVION-OADR	Avi-on OpenADR Interface	Link to OpenADR certified demand response dispatch sites, configure program interfaces and response categories
AVI-SIM-12-24VDC-EA	Avi-on SIM	Configure the network response to demand response event triggers. One SIM per response type, eg. One response for classrooms and one for hallways would require 2 SIMs.
AVI-PS-277-12-250	Power Supply	SIM Power supply, one required per project.
2001RAB-KIT-C-E	Remote Access Bridge	Optional, required to remotely configure DR event responses in the building

To order please contact Avi-on sales at **(877) AVION-US**, (877) 284-6687 or prosales@avi-on.com for information on becoming an Avi-on partner and order details.

Project	Location/Type

SPECIFICATIONS

Electrical	OpenADR Interface
Input Voltage	12V DC (Includes 110-240 VAC Power Supply)
Power Consumption	500mA @12VDC
Network Interface	Ethernet 10/100/1000
Network Port	RJ-45/ Cat 5

Application	Requirements
Configuration Apps	Windows or MAC OS. Requires installation of Java Virtual Machine
Internet Connection	Ethernet RJ45, either on the same local subnet, or through https://my.isy.io Portal if configured for remote access

Certifications	Listing
Open ADR	2.0a, 2.0b, Version 1.12 https://products.openadr.org/product/avi-on-labs-inc-isy994-avion-oadr/

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