

OpenADR Interface

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

No Local Internet Required

When connected to the AVI-RAB-LTE, a fully wireless ADR solution requiring no local building network connection

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 can be 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. The specific load reduction is configured in an Avi-on SIM, which is triggered by a contact closure signal from the OpenADR interface. 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. The Unit can be plugged into the ethernet port of the Avi-on RAB LTE bridge for a DR solution that is fully wireless and requires no local network connection (ongoing use of the Cellular connection requires a small annual connection subscription)

OpenADR Certification Link: <https://products.openadr.org/product/avi-on-eisy-oadr/>

ORDER INFORMATION

| Part Number | Name | Description |
|-------------------|-----------------------------------|---|
| AVI-KIT-OPEN-ADR | Avi-on OpenADR Interface Kit | Kit Includes the Demand Response Interface Unit, unit power supply, a relay interface (single channel), One SIM (suitable for one DR strategy), Power supply for the SIM, and an Enclosure. The package comes fully pre assembled and ready for installation. The OpenADR Certificate for utility connection is NOT included. |
| AVI-ASSY-OPEN-ADR | Avi-on OpenADR Interface Assembly | Assembly includes the kit, pre-assembled in a mount-ready junction box |

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 | |
|----------------|--|----------------------|--|

HARDWARE REQUIREMENTS

A single Avi-on Open ADR interface kit per building (AVI-ON-EISY-OADR). One Avi-on Sensor Input Module (AVI-SIM-12-24VDC-EA) and USB Relay per load reduction strategy. Additional Relays and SIMs can be purchased from Avi-on if more complex strategies are desired. The OpenADR Certificate to connect to live utility programs is **NOT** included (approx \$90 plus installation). The certificate can be purchased either from Avi-on or directly from OpenADR.

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 |

| Dimensions | Measurement |
|------------|--------------|
| Width | 3.2" (80mm) |
| Length | 5.1" (130mm) |
| Height | 0.7" (18mm) |

| 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. Cellular connection available by plugging into the ethernet port of the AVI RAB LTE Bridge |

| Certifications | Listing |
|----------------|---|
| Open ADR | 2.0a, 2.0b, Version 1.12 https://products.openadr.org/product/avi-on-eisy-oadr/ |

DIMENSIONS

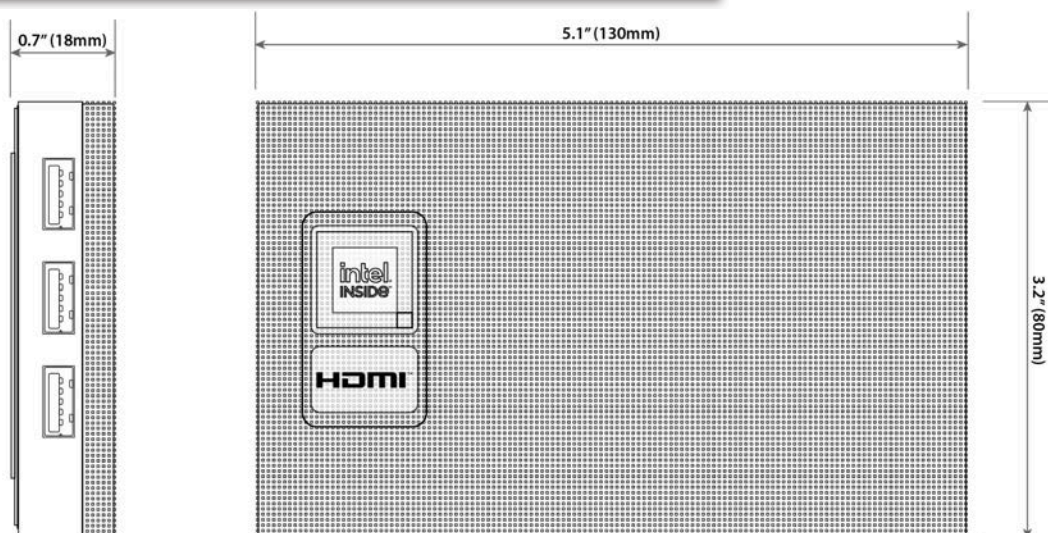


Figure 1. OpenADR Interface Dimensions

ASSEMBLY



Figure 2. OpenADR Interface Assembly



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