Project		Catalog #		Type	
Prepared by		Notes		Date	

Greengate

EISSBox OpenADR Dry Contact Device

The EISSBox™ is a Virtual End Node (VEN) device installed at the customer site and receives secure OpenADR 2.0 web services from the Utility and provides a signal to the lighting control system.

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

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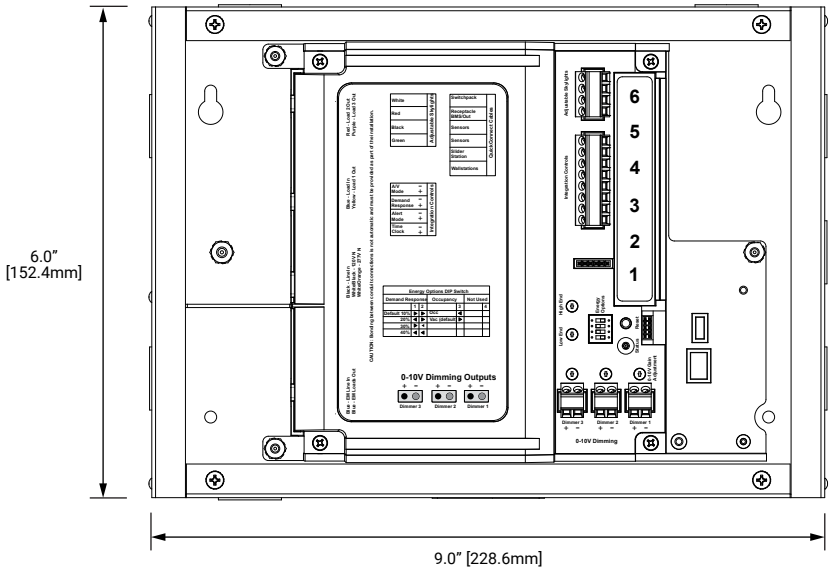
Product Features

openADR™ 2.0b CERTIFIED

Top Product Features

- OpenADR 2.0b certified virtual end node (VEN)
- Reduce energy costs by participating in Demand Response programs
- Improve operating costs by participating in utility incentive programs
- Open standard for Smart Grid compatibility
- Internal web pages for simple configuration

Dimensional Details



additional product diagrams

Order Information

Catalog Number

Catalog Number	Description
EBOX-2B-DC	EISSBox OpenADR Dry Contact Device
EBOX-ASF	EISSBox 12 month maintenance and support (must be included for each EBOX-2B-DC ordered)

Product Specifications

Mechanical
Size: 9”H x 6”W x 3”D
Environment:
- **Relative humidity operating:** Less than 95%, non-condensing
  For indoor use only

Electrical
Voltage: 2 Amp power supply included
Connection: RJ45 for connection to the Internet

Software Specifications
IP Requirements: DHCP IP address

Installation
Standard decorator opening

Standards/Ratings
Open ADR 2.0b

Warranty
Consult website for warranty information

Overview

The EISSBox helps the site meet Demand Response program requirements. Demand Response helps reduce the burden on the power grid and many utility company's across the country are creating incentive programs for customers that allow the utility to send automatic demand response requests to reduce the lighting load. The EISSBox implements OpenADR 2.0 flexible security model to connect to the Utility VTN Server and receive demand response requests. Once the EISSBox receives the event it will provide a signal to the lighting control system to reduce the lighting load.

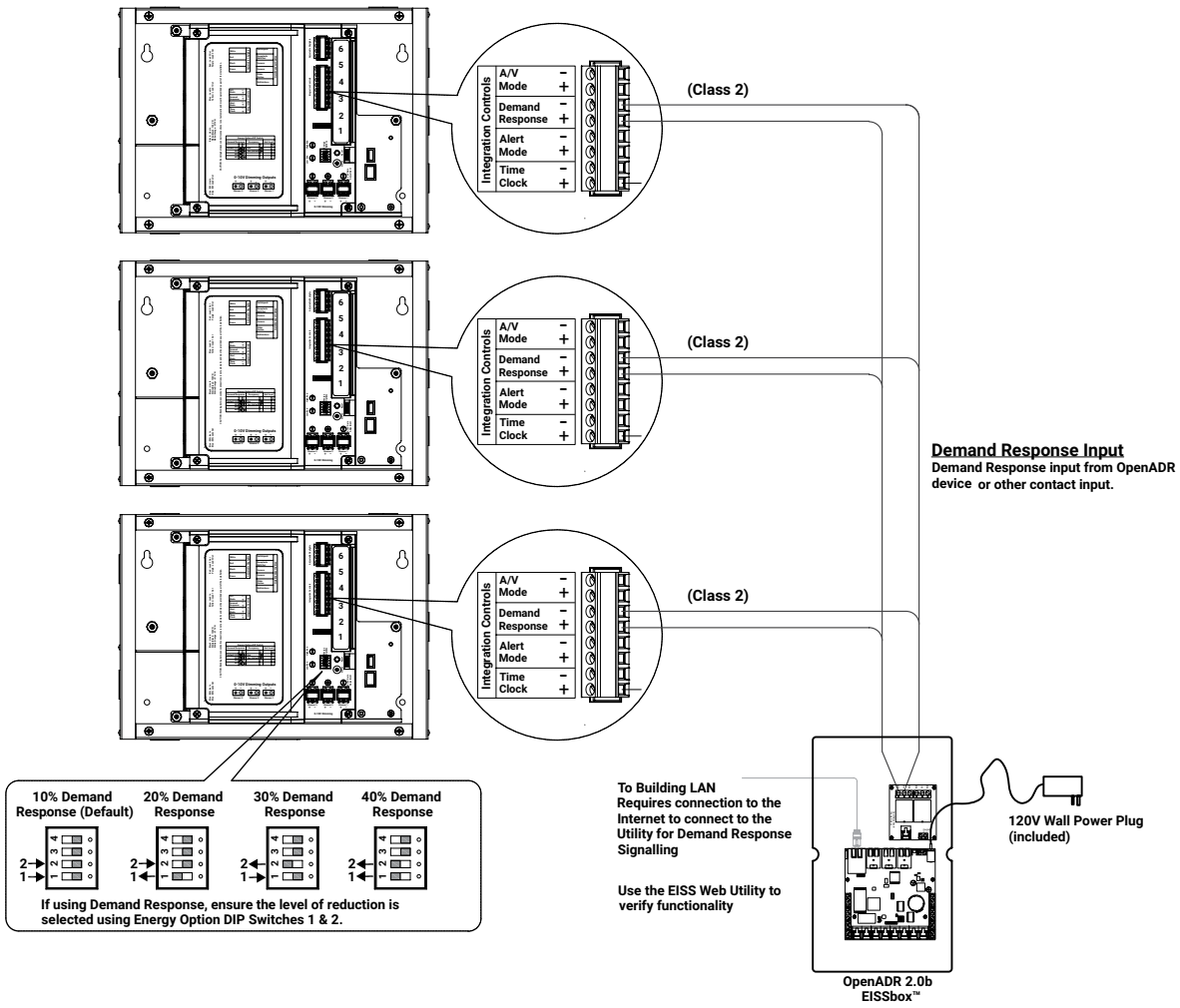
Installation

The EISSBox is located close to a lighting control panel and its outputs are wired to the Demand Response input on the lighting control panel. The EISSBox requires a connection to the internet and comes with an external plug in power supply.

Wiring Diagrams

Control Sequence: Demand Response input ensurs light level reduction based on Energy Option DIP Switch setting at each Room Controller. The light level reduction occurs regardless of occupancy, daylighting or wallstation current setting. Demand Response light level reduction reduces lighting at a 5% dimming rate to limit occupant impact.

When Demand Response Input is removed the lighting will remain at the current level until a change of state from an wallstation, occupancy sensor. This provides further energy savings by keeping the lighting at a reduced level until a user action.



Control Systems

- Greengate

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