LMDR-VEN DEMAND RESPONSE FOR OPENADR 2.0B

- Supports the OpenADR 2.0b standard
- Support for both wired, wireless, or hybrid DLM architectures
- Uses secure encryption technology from Utility to Customer site
- Uses the Legrand Cloud as the Virtual End Node
- Commission and setup from LMCS-100 software
- Certified with OpenADR as a Virtual End Node
- No additional hardware required

openADR ALLIANCE

Description

OpenADR 2.0 is an open standard protocol for Demand Response. This standard provides a non-proprietary means for electrical utilities to communicate directly to customer's buildings using a common language and existing communication path, such as the Internet. The Wattstopper Digital Lighting Management (DLM) Demand Response For OpenADR 2.0b solution is a cloud-based platform that is compliant with the OpenADR 2.0b and utilizes secure encryption technology from utility to customer site.

Operation

The Wattstopper DLM OpenADR solution complies with California Title 24 energy code requirements for Demand Response. It provides an OpenADR 2.0b cloud-based Virtual End Node (VEN) that is designed to manage the communication between the utilities Virtual Top Node (VTN) and the customer's DLM lighting network lighting.

The DLM platform will continue to perform as originally programmed if communication is broken between the utility and the customer's site.

Applications

This solution is required per Title 24 2019, for buildings that are larger than 10,000 ft2, excluding spaces with a lighting power density of 0.5 watts per square foot or less. Buildings in scope must be able to automatically reduce lighting power in response to a demand response signal by a minimum of 15 percent below the total installed lighting power.

System Requirements

The DLM OpenADR solution requires communication to the Internet which can be accomplished in many ways. The preferred method is via the Wattstopper RACCESS modem, which ensures a secure connection and enables additional remote value-add services. A secure Internet connection provided by the facility owner is another method for this connection. The facility will utilize one of their existing network control device such as an LMBR-650 or a LMJA-8xxx to manage the signal from the utility.

Built-In Security

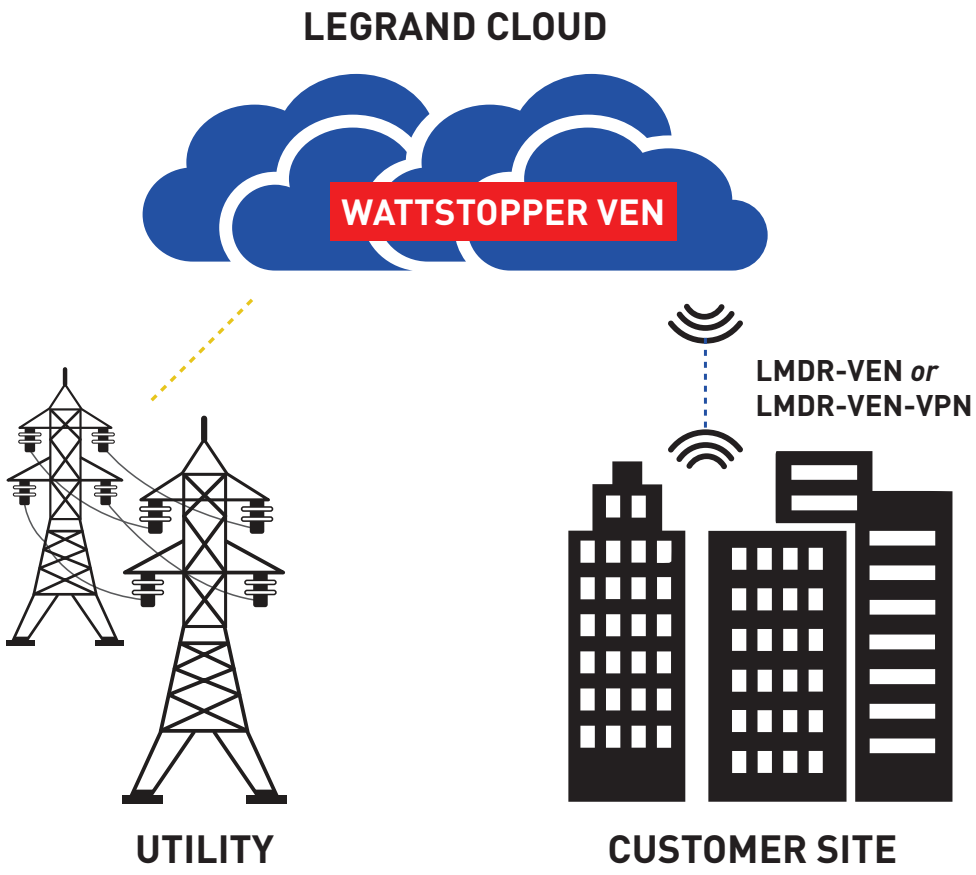
Wattstopper takes network security seriously by providing an end-to-end solution that is certificate-based. This ensures encryption from the utility to the DLM network controller(s), minimizing the potential for malicious attacks on the customer's network.

PROJECT		LOCATION/ TYPE	

Features

- Works with wired, wireless or hybrid DLM installations
- Uses secure encryption-based technology
- Sites secured only allowing access by authorized users
- Certified to OpenADR 2.0b standard as a Virtual End Node (VEN)
- Uses the secure Legrand Cloud, no additional equipment needed
- LMCS-100 support for setup of the utility's Virtual Top Node (VTN)
- Certified member of OpenADR as is an approved solution

Open Automatic Demand Response Cloud Network



Ordering Information

Catalog #		Description
☐	LMDR-VEN	OpenADR VEN Connection, Wattstopper provided Internet connection
☐	LMDR-VEN-VPN	OpenADR VEN to VPN Connection, customer provided Internet connection