

OVERVIEW

The OpenADR Interface delivers automated demand response and load shedding capabilities to LC&D systems by using an open and standardized language that electricity providers use to send demand response signals to their customers over any existing IP-based communications network, such as the Internet.

The L2 ADR client allows a LC&D system to integrate with an OpenADR 2.0a Demand Response Automation Server (DRAS). This device functions by communicating with a configured OpenADR DRAS to retrieve live power demand information from the utility company and shedding load according to pre-configured user settings. The device supports four demand response settings: None, Moderate, High, and Special; allowing a user to define load shed strategies for each mode.

The OpenADR Interface enables compliance with CA Title 23 2013¹ and LEED Version 4 and qualifies a building for a two-point credit².

FEATURES

- Automated demand response and load shed capabilities for LC&D systems
- Acuity Controls Virtual End Point (VEN)³ to Open Automated Demand Response 2.0a (OpenADR) Demand Response Automation Server (DRAS)
- Four demand response settings (None, Moderate, High, Special)
- Ability to be integrated through proxy servers, if required

SPECIFICATIONS

Dimensions:	2.76" w x 1.06" h x 3.94" d
Mounting:	Wall mounted via screws
Ports:	Micro USB Power Connector (120VAC power cord provided) 1x10/100 BaseT Ethernet
Ambient temperature:	32° - 140° F (0° - 60° C)
Relative humidity:	20 - 90% non-condensing
Compliance:	ROHS Compliant
Listings:	UL and cUL listed

Warranty

Three-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

ORDERING INFORMATION

OPENADR INTERFACE

System and Type

GR2400 L2 ADR	Interface for GR2400 system
GR1400 L2 ADR	Interface for GR1400 system

NOTES:

1. http://www.openadr.org/index.php?option=com_content&view=article&id=81:openadr-and-title-24&catid=21:press-releases&Itemid=121

The code states that demand responsive controls and equipment shall be capable of receiving and automatically responding to at least one standards-based messaging protocol such as OpenADR. For example, in response to a DR signal, buildings larger than 10,000 square feet will have to automatically reduce their lighting power by at least 15 percent below the building's maximum lighting power.

2. <http://www.usgbc.org/node/2613001?return=/credits>

3. A VEN is also referred to as a DRAS client; Acuity Controls supports the OpenADR simple DRAS client mode

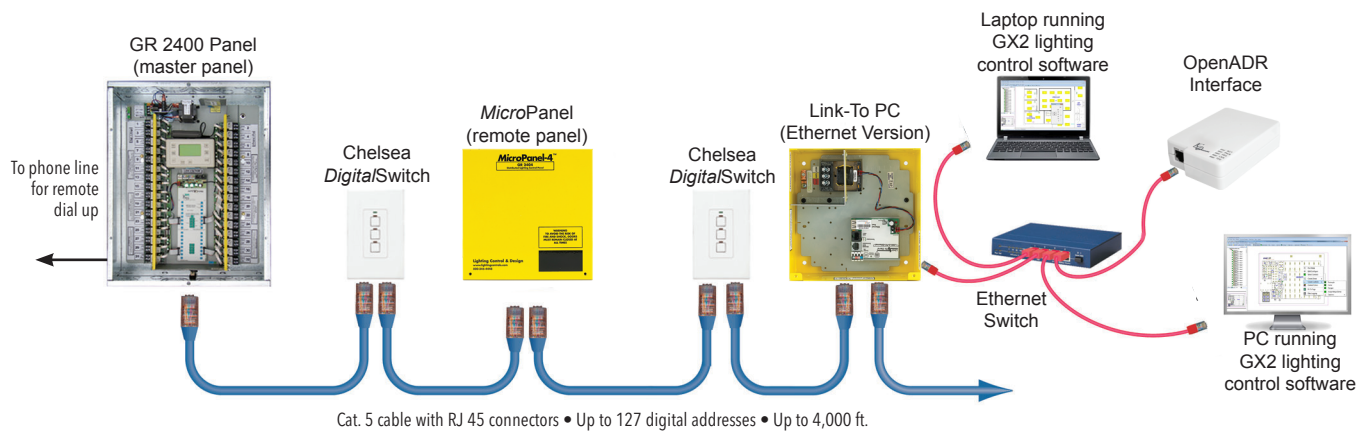
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LC&D™

OpenADR Interface



OVERVIEW



An integrated web interface on the ADR device allows a user to securely:

- Configure device networking settings
- Configure OpenADR DRAS settings
- Configure four load shed strategies dependent upon active demand state - each state can be mapped to a group
- View device status and active demand response level
- Specify proxy credentials, if required