

## Demand Response Virtual End Node (VEN) | Model: A-VEN-0T-DCD0



### Description

The A-VEN provides the next generation of Certified OpenADR VEN for 2.0a or b. With multiple relay outputs that can be individually mapped for Pending, Moderate, High, or Special Events. Up to 4 relay modules can be connected at distances of 100 meters.

### Specifications

- LAN-to-LAN or LAN-to-WAN connectivity
- Built in security and routing protects against unwanted intrusion
- IPsec and SSL VPN tunnels
- Stateful firewall
- Port forwarding
- Packet filtering
- Access control list (ACL)

#### Ethernet Interface (10/100 Auto-Sensing)

- Five (5) RJ-45 type connectors

#### Mechanical

- Dimensions: 4.7" x 3.77" x 2.0" (120 x 96 x 51 mm)
- Weight: 1.2 lbs. (544 g)

#### Power Input

- 12VDC-24VDC

#### Output Signal

- 0-10V

#### Environmental

- Operating temperature: -40° to +70°C
- Humidity: 5 to 95% non-condensing
- Shock: IEC60068-2-27
- Vibration: IEC60068-2-6

### Certifications



### Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:	50ft
<u>Outdoor (line of sight):</u>	200ft
<u>Indoor (through building material):</u>	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.

