ZUMNET-OD-GW-RF

Centralized Controller and Wireless Gateway, 100-240VAC, Zūm® Outdoor Wireless Communications, Mounted in IP67 Rated Enclosure

- *Uses Zūm® Outdoor self-forming and self-restoring wireless mesh network*
- *Remote control, scheduling, and sensor configuration*
- *Reliable and encrypted communication*
- *Supports over-the-air (OTA) firmware updates*
- *Flexible event-based scheduling system*
- *Lighting fixture fault monitoring and reporting*
- *Connects up to 500 nodes*
- *Includes wireless router for communications with a local network*
- *Provides real-time status updates for each light fixture, including energy usage, light status, sensor analysis, and more*
- *Gateway hosts Crestron Web UI for system control and management*
- *Gateway mounts in the enclosure*

The ZUMNET-OD-GW-RF is a 2-way RF Wireless Gateway designed for use with Crestron® Zūm Outdoor wireless devices. A single ZUMNET-OD-GW-RF can manage up to 500 ZUMMESH-OD nodes (ZUMNET-OD-KOM and ZUMNET-OD-7P). The ZUMNET-OD-GW-RF uses a web-based application to manage and control the light fixtures in addition to scheduling dimming, grouping, sensor input capabilities, remote monitoring, and management.

Zum® Outdoor Wireless Mesh Network

Zūm outdoor wireless mesh technology provides peer-to-peer RF communications without the need for physical control wiring, hubs, or gateways. Zūm mesh outdoor devices act as routing nodes to relay wireless commands between them without disruption. Adding Zūm mesh devices to a space increases the range and stability of the peer-to-peer mesh network by providing multiple redundant signal paths. Each Zūm mesh device auto-negotiates its RF channel to provide robust communication.

Self-Forming and Self-Restoring Wireless Mesh Network

Zūm outdoor wireless mesh technology auto-searches and establishes connections in a network. If a wireless connection in the network is broken, the Zūm mesh device will disable the path and reroute the data to ensure seamless communication. Once the device is restored, the Zūm device will automatically rejoin the network.

Flexible Event-based Scheduling System

Event-based scheduling allows the creation of quick and flexible lighting schedules. The series of lights can be managed for better real estate planning.

Lighting Fixture Fault Monitoring and Reporting

Fault monitoring and reporting applications are performed for control, monitoring, commissioning, and programming of individual or groups of lights in a network to help prevent issues.

Web User Interface for System Control and Management

This gateway hosts the configuration screens for the system control and management. The system can be used to schedule events and adjust the lighting based on feedback from daylight and motion sensors.

OTA Firmware Updates

Over-the-air (OTA) firmware updates reduce operational costs by providing an efficient update process that does not require direct access to the device. Updates can be performed remotely and deployed incrementally to ensure that the system remains functional.

Crestron Electronics Inc.
15 Volvo Drive | Rockleigh, NJ 07647
www.crestron.com | 800.237.2041

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Specifications

Power Requirements

Voltage	100-240VAC

Wireless Communications

RF Transceiver	Zum Outdoor wireless, 2-way RF, 2.4 Ghz
Topology	Mesh topology
Device Type	Gateway; Coordinates the mesh network, routes data to nodes, and communicates with network
Coverage Range (typical)	**Gateway to Node:** 2,000 ft (610 m); **Node to Node:** 2,000 ft (610 m) Maximum of 10 hops on the mesh network between the Gateway and the last node
Wireless N Router	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, WiFi 4 (802.11n), IPv4, IPv6

Wired Communications

Router	Ethernet (IPv4, IPv6); Router mode, Repeater mode, and AP mode
Gateway	Ethernet and USB

Connections - Router

WAN	(1) 8-pin RJ-45, female; 100Base-TX Ethernet port; Connects to existing network modem or switch
LAN	(4) 8-pin RJ-45, female; 100Base-TX Ethernet port; Connects to Gateway
DC IN	(1) DC power connector; 12VDC power input, 0.5A max; Power supply included

Connections - Gateway

ETHERNET	(1) 8-pin RJ-45, female; 100Base-TX Ethernet port; Connects to Router
USB	(1) USB, female; Connects to PC for configuration without an Ethernet connection; Provides power when there is no power connection
Power	(1) DC power connector; 5VDC power input; Power supply included

Environmental

Temperature	-40° to 122° F (-40° to 50° C)
Humidity	5% to 95% RH (noncondensing)

Construction

Material	Plastic, IP67 rated
Mounting	Surface mount

Dimensions

Height	20.1 in. (511 mm)
Width	16.9 in. (429 mm)
Depth	6.3 in. (160 mm)

Weight

0.835 lb (0.378 kg)

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Compliance

Regulatory Model: M202217003, M202217004, M202217005, M202217006, and M202217007
FCC, DLC

To search for product certificates, refer to support.crestron.com/app/certificates.

Models

ZUMNET-OD-GW-RF
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This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English.
All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

Specifications are subject to change without notice.

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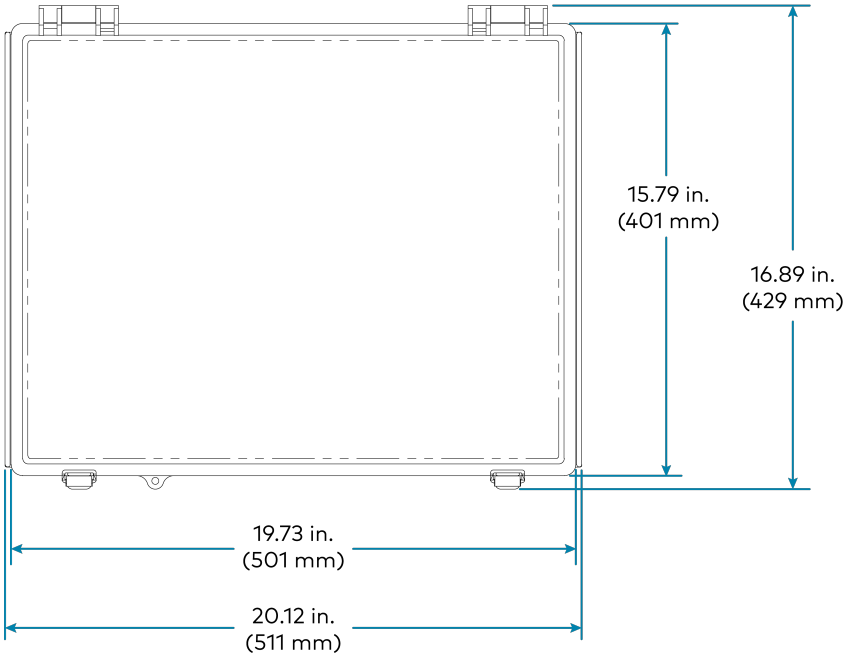

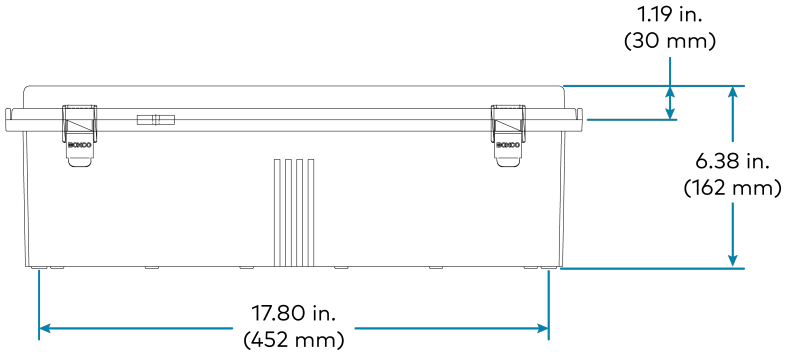

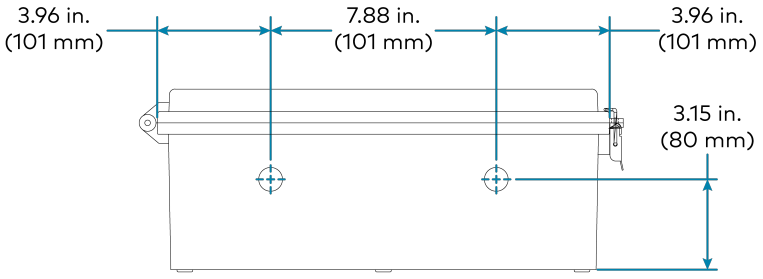

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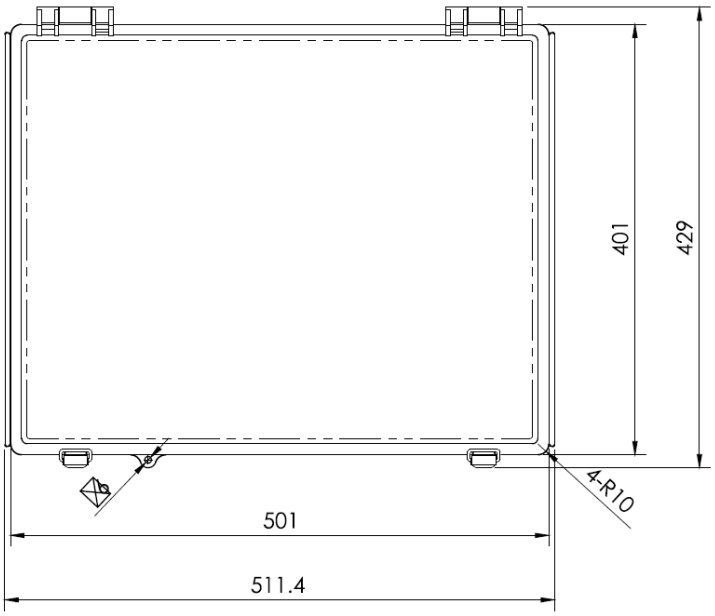

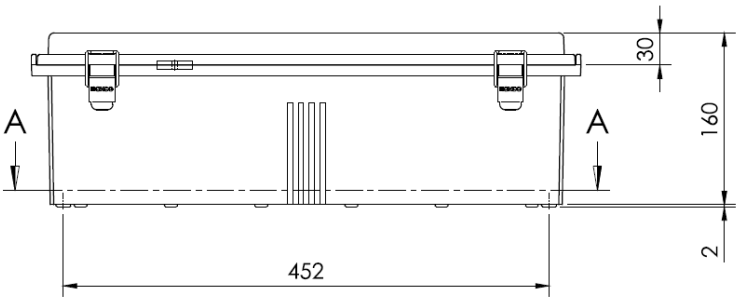

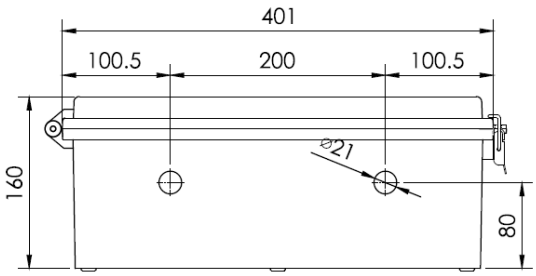

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