

#### APPLICATIONS:

Web Comfort Wireless Lighting and Load Controllers are suitable for renovation, upgrade and new construction projects.

- Commercial Offices
- Educational Facilities
- Worship Facilities
- Research Facilities
- Retail Locations
- Hospitality & Restaurants

#### FEATURES:

- Multi-Voltage Compatible, 120 to 277VAC
- Integrated control of one 20A circuit with control of 2<sup>nd</sup> circuit via optional outboard power pack
- Plenum-Rated device promotes an efficient, distributed control strategy
- Secure wireless 2.4GHz ZigBee communications with other network devices
- Supports the Web Comfort range of wired and wireless occupancy sensors, including door and window contacts
- Local control via standard light switches and contact closures; 3-way and 4-way switching configurations are supported
- Connected sensors and switches function locally if network communications are lost
- The WEB-ARC switched controller is an independent system that also integrates with other members of the Web Comfort family
- UL Listed & Plenum Rated
- Made in the USA (ARRA Compliant)



#### DESCRIPTION:

The Web Comfort WEB-ARC Switched Lighting and Load Controllers are wirelessly managed 120/277VAC plenum-rated controllers. The WEB-ARC provides managed control of up to two independent switched circuits, supporting the second circuit via an external power pack.

Compatible with the Web Comfort WEB-ARC range of wired and wireless occupancy sensors, the WEB-ARC also provides connectivity for door and window contacts. The room controller can be operated in stand-alone mode (as a standard switched power pack) or as part of a Web Comfort Integrated Lighting Management System using the Web Comfort wireless mesh network.

As a network device, the WEB-ARC is controlled by a Web Comfort Energy Manager running the lighting software. The software manages lighting circuits based upon time schedules, local control, occupancy, demand response curtailments, light level, computer activity and door openings or closures.

### SPECIFICATIONS:

#### ELECTRICAL

Operating Voltage: 100 to 277VAC  
 Operating Current: 15mA typ./ 75mA max. @ 120VAC  
 DC Output (77°C): 12VDC typ., 100mA  
 Switching Capacity: 20A max. (resistive load)

#### INTERNAL RELAY (77°C)

Max. Switching Power: 8310VA  
 Max. Switching Voltage: 277VAC  
 Max. Switching Current: 20A

#### I/O PORTS

Total power budget for all I/O ports is 120mA  
 Power Pack: 24VDC typ., 150mA  
 DC Output: 12VDC typ., 100mA  
 Contact: 12VDC typ., 100mA

Sensor: 3.0VDC for Web Comfort *MINI* Wired Sensor

#### LOCAL CONTROL INPUTS

Wall Switch: (1) contact closure  
 Door Contact/ 2<sup>nd</sup> switch: (1) contact closure  
 Sensor: Up to (10) Web Comfort *MINI* Wired Sensors

#### RADIO NETWORK

IEEE 802.15.4-2003 2.4GHz ISM (ZigBee)  
 Range: Approx. 250' LOS transmit/ receive

#### REGULATORY APPROVALS

UL 916 CSA C22.2 No. 205 (Listing E113003)  
 UL 2043 Plenum Rated  
 FCC (V8NARC1000133)  
 IC (7737A-ARC1000133)

#### ENVIRONMENTAL

*Test condition of all ratings 77°F*  
 Operating Temperature: 32° to 158°F  
 Storage Temperature: -13° to 176°F

#### PHYSICAL

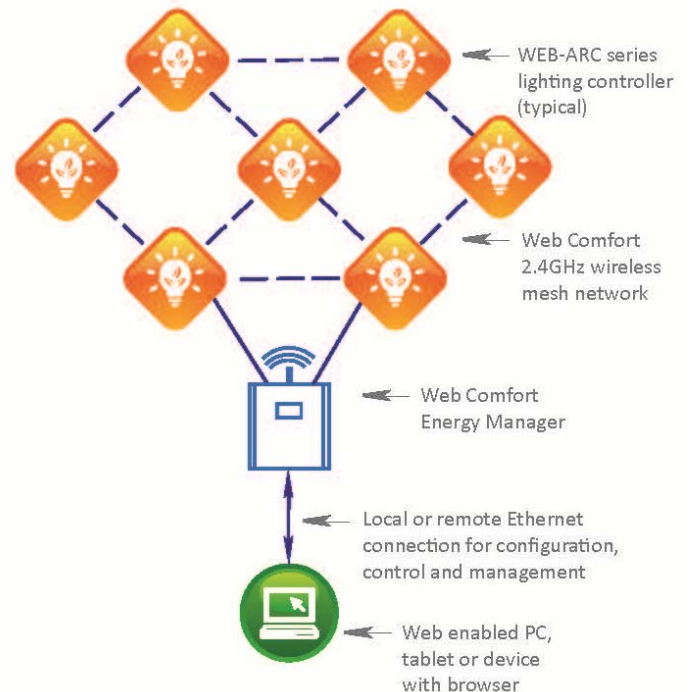
Dimensions (HxWxD): 3.75 x 3.93 x 1.19in  
 Color: White  
 Weight/ Shipping Weight: <10oz/ <1lb

### ORDERING INFORMATION:

SKU	Description
WEB-ARC-Lighting	WEB-ARC-Lighting Switched Lighting Controller, 12V, 120 to 277VAC
WEB-ARC-Load	WEB-ARC-Load Switched Load Controller, 24VDC, 120 to 277VAC

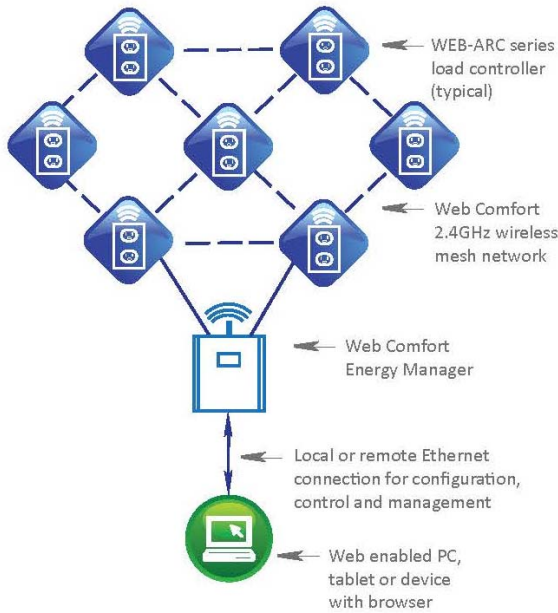
### ONE-LINE DIAGRAM

#### WEB-ARC-LIGHTING:

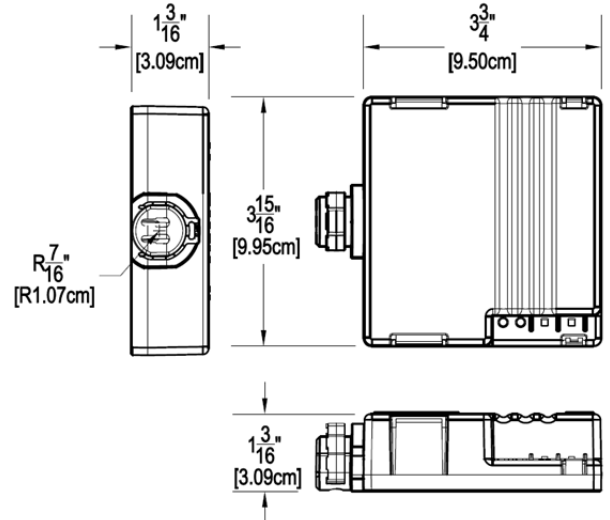


#### ONE-LINE DIAGRAM

#### WEB-ARC-LOAD:



#### DIMENSIONS:



### The Web Comfort Family

#### Energy Management Done Right

The Web Comfort product line from Jackson Systems integrates lighting, climate control, fans, metering, and plug loads to provide a powerful integrated energy management solution. The lighting, thermostat, fan control and metering software share the Web Comfort Manager and operate as an integrated application.

Web Comfort software communicates via the Web Comfort Energy Manager to lighting controllers, motion sensors, thermostats, fans, meters and plugs using a secure wireless 2.4GHz ZigBee communications network.