

Lumina™ RF Decora® 0-10V Wall Switch Dimmer

Use as a standalone dimmer or part of the Lumina RF Eco-System



BASIC OPERATION

Introducing the Lumina™ RF Decora® 0-10V Wall Switch Dimmer (ZSD07), a line-powered component of the Lumina RF Solutions product line. This device allows dimming of any 0-10V controlled load. Use as a standalone dimmer or part of the Lumina RF Eco-System. Lumina RF products ensure energy savings in new construction and retrofits and the Lumina Gateway functions as an energy management coordinator, allowing for wireless automated control of loads via remote control from a tablet or smartphone app.

The ZSD07 is a robust manual rocker dimmer switch used to provide wireless control of lighting loads including high-inrush LED loads. The ZSD07 Wall Dimmer is compatible with 2.4 GHz Lumina RF wireless products. When connected with a Lumina Gateway it allows facilities to create scalable wireless energy management systems.

Connect other Lumina RF devices and add the OmniTouch 7 Touchscreen Interface for seamless centralized control, scheduling and remote access. The ZSD07 is the optimal solution for retrofit applications where LED, incandescent or fluorescent lighting controls are required and additional wiring devices are cost-prohibitive

APPLICATIONS

- Retrofits
- Conference Rooms
- Lounges
- Restaurants
- Executive offices
- New construction
- Transceiver: 2-way communication with acknowledgement

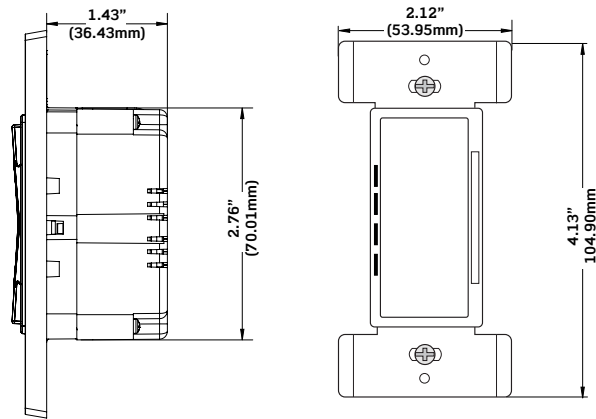
FEATURES

- **Use as a standalone dimmer or part of the Lumina RF Eco-System**
- **Compatible with multiple load types**—any 0-10V controlled load, ex: LED, HID, inductive, fluorescent
- **Integrated H.I.S. (High Inrush Stability) Relay**—for ON/OFF control
- **Aesthetically pleasing intuitive design**—rocker switch and slender raise/lower side bar for ON/OFF, raise/lower control
- **Wireless mesh network**—self-healing mesh network feature has no hardwired backbone and connects all products together for a more robust and reliable system without wires
- **Code compliant energy management functionality**—can be used to meet energy code requirements for ASHRAE 90.1 and 2016 Title 24, Part 6 space/area control, dimming, manual-ON/OFF, occupancy control and automatic shutoff requirements
- **Robust and reliable**—mechanically held latching relay for high inrush (LED) and large commercial loads
- **LED flexibility**—enable, disable or turn OFF LED lights after five seconds for applications where brightness is a factor (i.e. hospitality)
- **LED Indicator**—inconspicuous LED light level indicator for locating in a dark room
- **3-way switching applications**—pair with Lumina Gateway for an energy management solution
- **Standard size for seamless installation**—the ZSD07 fits in a standard single-gang wall box
- **Complies with IEEE 802.15.4 standards**—for domestic and international wireless networks

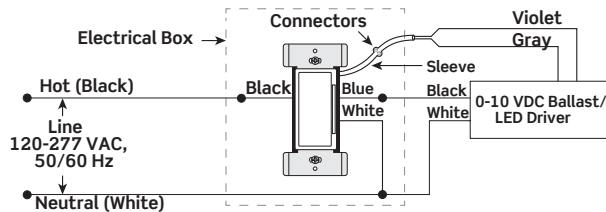
PRODUCT DATA



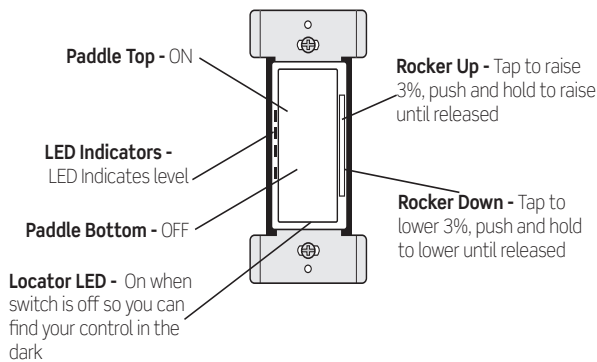
DIMENSIONS



WIRING DIAGRAM



USER INTERFACE



SPECIFICATIONS

ELECTRICAL	
Input Voltage	120-230-277VAC, 50/60 Hz
Connections	16 AWG (Power connections) 18 AWG (0-10V connections)
Input Frequency	50/60 Hz
Power Consumption	120VAC @ 11.4mA AC (630mW typical) 277VAC @ 8.5mA AC (960mW typical) 50mA sinking
Communication Frequency	2.4 GHz
Range	Up to 75' between Lumina RF devices
Load Rating	LED/CFL: 120V: 8A, 960VA, 277V: 5A, 1385VA
	Incandescent/Tungsten: 120V: 800W
	Electronic Ballast/Inductive: 120V: 8A, 960VA, 277V: 5A, 1385VA
Ballast Load: 120V: 10A, 1200VA, 277V: 10A, 2700VA	
Motor Load	120V: 1/4HP, 277V: 1/3HP
ENVIRONMENTAL	
Storage/Operating Temperature Range	32 to 104°F (0 to 40°C)
Usage	Indoors only
OTHER	
Listings	ETL/cETL Listed to: UL508, CAN/CSA C22.2 #14, IP20 rated, can be used to meet energy code requirements for ASHRAE 90.1 and 2016 Title 24, Part 6 space/area control, dimming, manual-ON/OFF, occupancy control and automatic shutoff requirements
Radio Certification	FCC certified for wireless communication (U.S.), IC Certified (Canada) FCC ID: W7Z-ZICM357SP0 IC: 854A-ZICM357SP0
Rating	IP20 rated
Dimensions	4.13" x 2.12" x 1.43" (104.90mm x 53.95mm x 36.43mm)
Weight	0.25lbs (0.11kg)
Warranty	2 years
CAT. NO.	DESCRIPTION
ZSD07-AxZ*	Lumina RF Decora 0-10V Wall Switch Dimmer, 120-277VAC, 50/60 Hz, 8A @ 120V, 5A @ 277V, 50mA

*Model ships with color change kit including White, Ivory and Light Almond faceplates. Contact factory for (A) ARRA compliant product. Made in USA with globally sourced components and NAFTA compliant models available.

Contact Leviton for a complete list of Lumina RF wireless solutions. The line includes transmitter switches, thermostats, room controllers and more.

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Visit our Website at: www.leviton.com/gateway

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