

# Z-Wave Plus smart accessory dimmer

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:



RF9642-ZDW



## Description

120V/AC, 60Hz

## Design features

- Compatible with Z-Wave Plus wireless universal dimmers (RF9643-N) for wireless multi-location control, eliminating the need for traditional 3-way wiring or dedicated traveler wires
- Can be associated with up to 5 other dimmers
- Neutral wire required for installation
- Dimmable seven step blue LED display alongside push pad indicates selected light level - even in full daylight (coordinates light level status with associated universal dimmer)
- Pressing and holding push pad for 2 seconds brings light to full brightness without affecting preset levels
- Patented indicator system alerts if the device is not set up in the network
- Programmable fading (up to 2 minutes) (default is 3 seconds)
- Programmable delayed OFF mode up to 2 minutes (default is 10 seconds)
- Configurable "power ON state"
- Child lockout feature which disables local control at dimmer
- Supports panic mode with compatible hubs
- Available in 10 different colors including metallic finish
- Z-Wave Plus certified with S2 security standard

**Table 1. Z-Wave Plus smart accessory dimmer**

Catalog no.	Description	Designer color suffix	Decorator color suffix
□ RF9642-Z_	Z-Wave Plus smart accessory dimmer compatible only w/Z-Wave Plus wireless dimmers	AW, DS, WS	DB, DBK, DGY, DLA, DRB, DSG, DW

**Compliances, specifications and availability are subject to change without notice.**



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## Application

Z-Wave Plus accessory dimmers can be paired with Z-Wave Plus wireless universal dimmers to provide multi-location ON/OFF/BRIGHT/DIM control for up to (5) locations. These are ideal when there's no traveler wire between the two locations in a 3-way application. Z-Wave Plus accessories will need to be associated with the load controlling dimmer using a compatible Z-Wave compliant controller.

Eaton's Z-Wave Plus Accessory Switches are Z-Wave Plus certified and comply with latest S2 security standards for advanced cyber security.

**Table 2. Specifications**

Catalog No.	Accessory dimmer RF9642-Z
<b>Performance</b>	Rating: 120V/AC, 60Hz Uses 500 Series Z-Wave Chip @ 9.6/40/100Kbps
<b>Performance Consideration</b>	For best performance, a Z-Wave enabled device must be within 60 feet of another Z-Wave enabled device to participate in a Z-Wave wireless mesh network. Any one dimmer or switch can be associated with up to 5 devices (dimmers, switches, receptacles, or plug-in modules)
<b>Installation &amp; Programming</b>	Please reference the Instruction Sheet included with the product for wiring installation. For programming of the device, see the User Manual, which is provided with compatible Z-Wave controller
<b>Testing &amp; Code Compliance</b>	cULus Listed 6B28 NOM Certified. Complies with FCC Part 15, Class B. Z-Wave Plus Compliant Certified
<b>Terminations</b>	RF9642-Z has three 6" pre-stripped wire leads for line, neutral and ground
<b>Material Characteristics</b>	<b>Flammability:</b> Meets UL94 requirements; V2 rated <b>Temperature Rating:</b> 32°F to 104°F (0°C to 40°C)
<b>Warranty</b>	2-year limited product warranty

**Table 3. Color Ordering Information**

For ordering devices, include Catalog No. followed by the Color Suffix: AW (Alpine White), DS (Desert Sand), WS (White Satin), DB (Decorator Brown), DBK (Decorator Black), DGY (Decorator Gray), DLA (Decorator Light Almond), DRB (Decorator Oil Rubbed Bronze), DSG (Decorator Silver Granite), DW (Decorator White).

**Designer series color options:**

AW	AW	DS	DS	WS	WS
(Alpine White)		(Desert Sand)		(White Satin)	

**Decorator series color options:**

DB	DBK	DGY	DLA	DRB	DSG	DW
(Decorator Brown)	(Decorator Black)	(Decorator Gray)	(Decorator Light Almond)	(Decorator Oil Rubbed Bronze)	(Decorator Silver Granite)	(Decorator White)

**Table 4. Device Configuration Parameters**

Parameter	Description	Value
1	Delayed OFF Time	0 to 127 Secs
2	Panic ON Time	0 to 127 Secs
3	Panic OFF Time	0 to 127 Secs
4	N/A	N/A
5	Power Up State	1=OFF, 2=ON, 3 = Last State
6	Panic Mode Enable	0=OFF, 1=ON
7	Dimmer Ramp Time	0 to 127 Secs
8-12	Not Used	N/A
13	Blue LED Brightness Level while dimmer is ON	0 to 4
14	Blue LED Brightness Level while dimmer is OFF	0 to 4
15	Amber LED Brightness Level while dimmer is ON	0 to 4
16	Amber LED Brightness Level while dimmer is OFF	0 to 4

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**Table 5. Device Association Information**

**Association Groups for RF9542-Z**

Group 1 (life line)	5 nodes maximum
Group 2 (set)	5 nodes maximum
Group 3 (DIM) UP/DOWN	5 nodes maximum

**Product Dimensions**

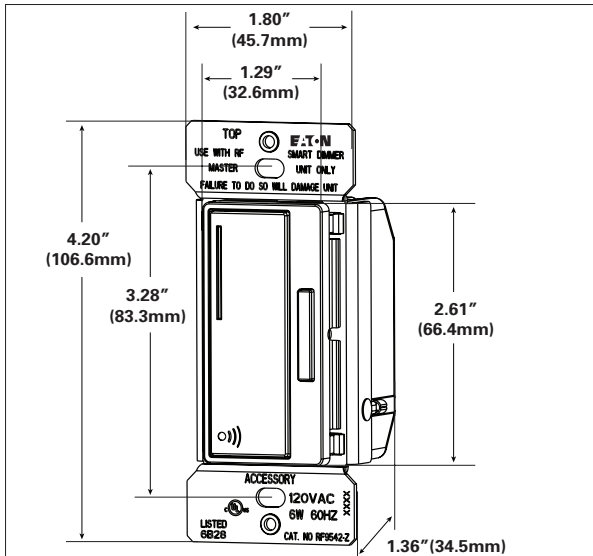
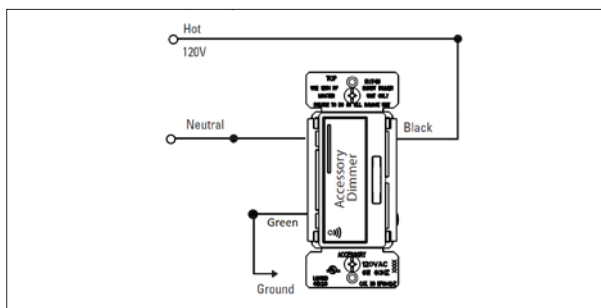


Figure 1. RF9642-Z

**Wiring Diagram**






RF9642-Z

**Note:** For multi-location control, use Z-Wave Plus smart dimmer masters direct wired to light along with Z-Wave Plus accessory. The Z-Wave Plus accessory does not require direct connections to the light (use Z-Wave Plus association function).

**Note:** The accessory and master don't need to share hot or be connected through 3-wire wires.

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## Certifications & Compliances

Catalog No.			
RF9542-Z	•	•	•

KEY:  cULus  NOM  Z-Wave Plus

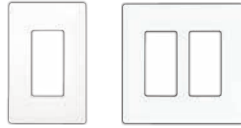
## Related Products

### Z-Wave Plus wireless products



RF9643-N, RF9601, RFTR9605-T

### Wallplates



PJS26, PJS262

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