



Shown actual size: Designer dimmer in White (RRD-6D-WH) with 1-gang Claro wallplate in White (CW-1-WH)

Features and capacities

- Wired like standard dimmers and switches, but can be controlled as part of a lighting control system
- Dimmers incorporate advanced features such as fade on/fade off, long fade off, and rapid full on
- Light levels can be fine tuned by pressing and holding the dimming rocker until the desired light level is reached
- Can be installed in single-pole or multi-location applications
- Up to nine remote dimmers/switches may be connected to the dimmer/switch for multi-location dimming
- Coordinating Claro®, Satin Colors® and Stainless Steel wallplates (available separately), see pg. 408
- A RadioRA 2 system can have up to 100 devices per main repeater and up to two main repeaters per system (requires qualification of installer)

Dimensions and mounting

- Width: 2.94 in (75 mm)
Height: 4.69 in (119 mm)
Depth: 1.13 in (30 mm)
Profile: 0.31 in (8 mm)
- Mounts into a 1-gang U.S. backbox, 3 in (89 mm) deep recommended, 2 in (57 mm) deep minimum

Direct lighting loads

- Incandescent/halogen
- Magnetic low-voltage
- Electronic low-voltage
- Fluorescent and LED (3-wire)
- LED (2-wire forward phase)
- Tu-Wire® fluorescent
- CFL/LED (screw-base)*
- Neon/cold cathode
- Non-dim lighting
- HID
- Motor loads
- Fan loads

Communication and wiring

- Communicates via Lutron reliable Clear Connect® RF technology to other Lutron wireless devices
- Operates at 434 MHz band
- Dimmers and switches must be located within 30 ft (9 m) of a repeater
- Operates at 120V @ 50/60Hz; 277V models available for some loads

[Download specification submittal](#)
[Download high resolution product image](#)

• Visit www.lutron.com/LEDtool for a complete list of LEDs compatible with the adaptive and neutral wire (1000 W) dimmers.

Available finishes

Use **BOLD** color code in model number (Example: RRD-6D-**WH**)

Gloss finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



GR
Gray



BR
Brown



BL
Black

Satin finishes*



SW
Snow



LS
Limestone



BI
Biscuit



ES
Eggshell



PD
Palladium



TP
Taupe



ST
Stone



BG
Bluestone



PL
Plum



TQ
Turquoise



GS
Goldstone



DS
Desert Stone



GB
Greenbriar



MS
Mocha Stone



TC
Terracotta



SI
Sienna



HT
Hot



MR
Merlot



MN
Midnight

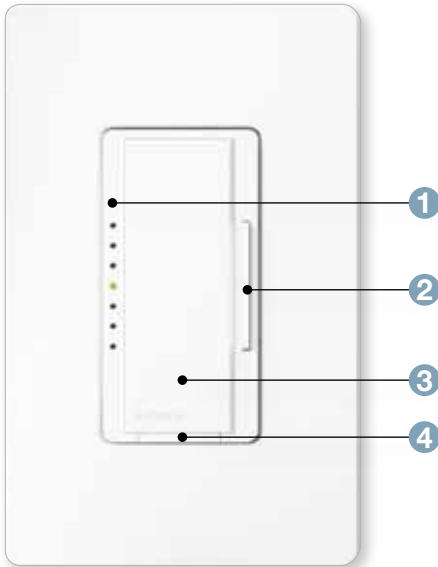


SS**
Stainless Steel
(wallplate only)

*Coordinating wallplates only available separately. For wallplate information, see pg. 408.

**Stainless Steel wallplate includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls.

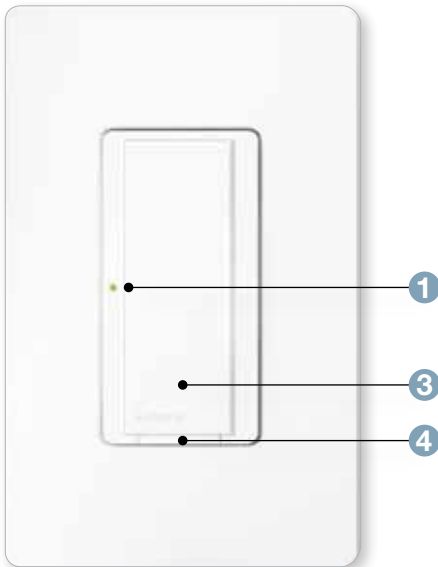
Explanation of features



RadioRA 2 designer dimmer

Features

<p>1 Status LEDs</p>	<ul style="list-style-type: none"> Indicate light level; glow softly as night light when light is off (not available on remote dimmers/switches)
<p>2 Dimming rocker</p>	<ul style="list-style-type: none"> Press up to brighten, down to dim
<p>3 Tapswitch</p>	<ul style="list-style-type: none"> Tap on/off
<p>4 FASS™</p>	<ul style="list-style-type: none"> Front Accessible Service Switch to disconnect power from the load for service

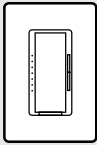


RadioRA 2 designer switch

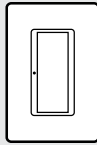
.31 in (8 mm) 1.13 in (30 mm)



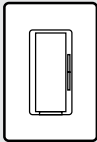
Available models



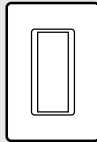
Designer dimmer



Designer switch



Remote dimmer



Remote switch

Model numbers

Dimmers

Incandescent/halogen or Magnetic low-voltage (MLV) dimmers

Single-pole/multi-location 120V 600W/600VA ²	RRD-6D- XX ¹
Single-pole/multi-location 120V 1000W/1000VA ²	RRD-10D- XX ¹
Single-pole/multi-location ¹ 120V 600W/600VA ³	RRD-6NA- XX ¹
Single-pole/multi-location ¹ 120V 1000W/1000VA ⁴	RRD-10ND- XX ¹

The stated W (Watt) rating is the maximum incandescent lamp load. Ratings for MLV loads represent the maximum of the total lamp wattage plus MLV transformer loss (typically 20%).
Compatible with Radio RA2 system.

Incandescent/halogen or Electronic low-voltage (ELV) dimmer

Single-pole/multi-location ¹ 120V 600W/600VA ³	RRD-6NA- XX ¹
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Compatible with Radio RA2 system.

XX¹: Gloss and Satin Colors® codes, see pg. 118 (Wallplates not included. Order separately, see pg. 408)

All models must be derated if ganged unless otherwise noted, see pgs. 433-435.

For specific radio frequency by country, refer to the radio frequency chart on pg. 465.

For specific voltage by country information refer to voltage chart on pg. 462.

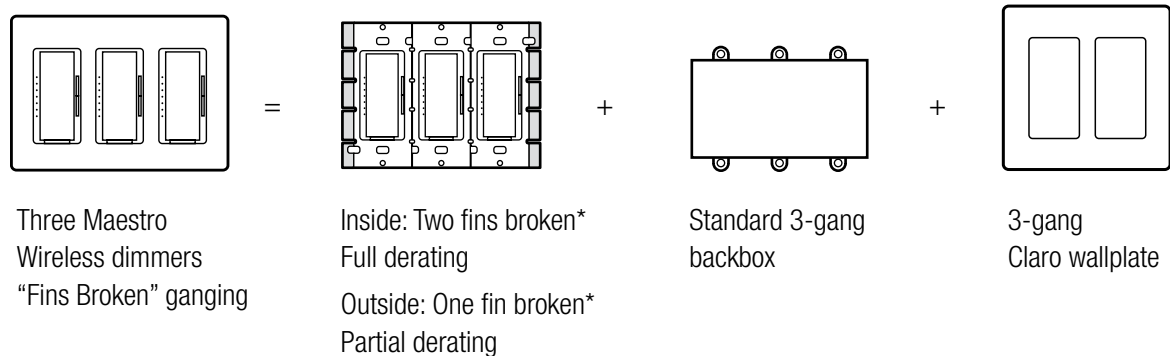
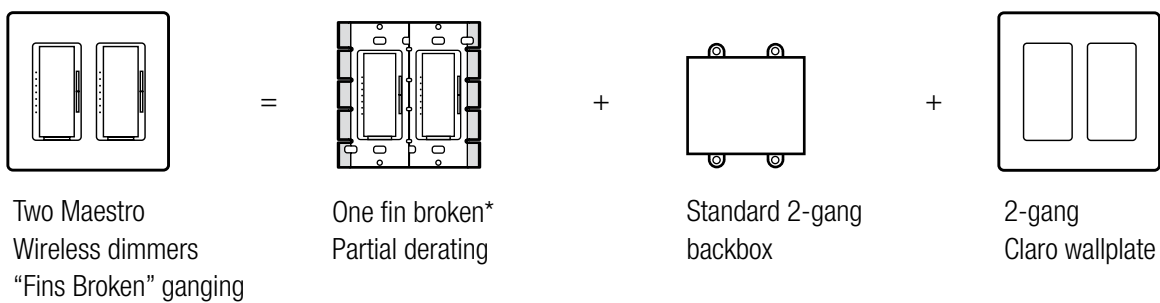
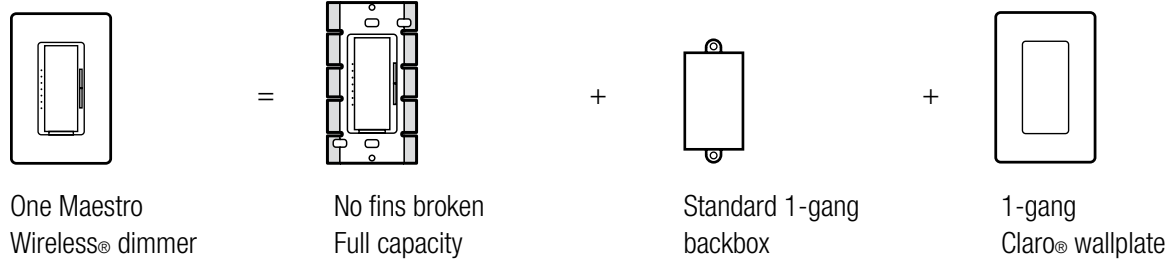
¹Requires neutral wire connection.

²Requires minimum load of 50W.

³Requires minimum load of 5W.

⁴Requires minimum load of 10W.

Standard ganging and fins broken derating examples:

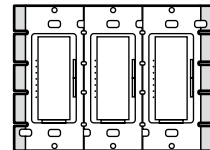
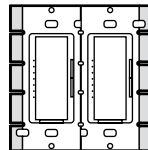
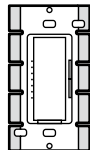


For further information on ganging and derating, visit www.lutron.com/multigang.

*The fins are scored and designed to be removed easily.

Derating table 1

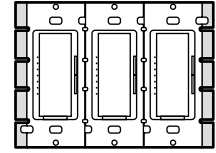
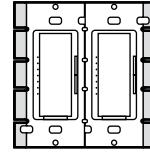
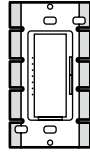
RadioRA® 2



	No fins broken	1 fin broken	2 fins broken
Incandescent			
Dimmers	600 W	500 W	400 W
	1000 W	800 W	650 W
Magnetic low-voltage			
Dimmers	600 VA/450 W	500 VA/400 W	400 VA/300 W
	1000 VA/800 W	800 VA/650 W	650 VA/500 W
Electronic low-voltage			
Dimmers	600 W	500 W	400 W
Fluorescent/LED			
Hi-lume®/EcoSystem®/Hi-lume 3D/Hi-lume A-series LED Driver			
Dimmer	60 ballasts or 6 A	50 ballasts or 5 A	35 ballasts or 3.5 A
Lighting			
Switch	8 A	6.5 A	5 A
Dual-voltage switch	8 A	8 A (2-gang) or 7 A (3-gang)	7 A
Motor			
Switch	5.8 A or 1/4 HP	5.8 A or 1/4 HP	4.4 A or 1/6 HP
Dual-voltage switch	3 A or 1/10 HP	3 A or 1/10 HP	3 A or 1/10 HP

Derating table 2

Maestro Wireless®



	No fins broken	1 fin broken	2 fins broken
Incandescent			
Dimmers	600 W	500 W	400 W
	1000 W	800 W	650 W
Magnetic low-voltage			
Dimmers	600 VA/450 W	500 VA/400 W	400 VA/300 W
	1000 VA/800 W	800 VA/600 W	650 VA/500 W
Electronic low-voltage			
Dimmers	600 W	500 W	400 W
Fluorescent/LED			
Hi-lume®/EcoSystem®/Hi-lume 3D/Hi-lume A-series LED Driver			
Dimmer	60 ballasts or 6 A	50 ballasts or 5 A	35 ballasts or 3.5 A
Lighting			
Switch	6 A	5 A	3.5 A
	8 A	6.5 A	5 A
Dual-voltage switch	8 A	8 A	7 A
Motor			
Switch	3 A or 1/10 HP	3 A or 1/10 HP	3 A or 1/10 HP
Dual-voltage switch	3 A or 1/10 HP	3 A or 1/10 HP	3 A or 1/10 HP