

Rotary dimmers & fan controls

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

Description

Single Pole & 3-Way
600W, 1000W, 5A, 1.5A
Incandescent, Halogen, Fan Control

Design features

- Integrated rotary dial for ON/OFF and DIM/BRIGHT operation
- Preset versions offer Single Pole and 3-Way wiring in a single unit
- Preset feature allows user to return to previous light setting when turning lights on
- Neutral is not required for installation of device
- Replaces a standard switch and offers dimmer capabilities
- Fully variable fan control allows for precise fan speed setting
- Quiet 3-speed fan control allows for Low, Medium and High fan speed settings
- Power failure memory
- Radio Frequency Interference (RFI) filtering for radio, audio and video equipment
- Electrostatic discharge protection.
- Square Law Dimming – perceived dimming level is proportional to the rotary position
- Precise color matching
- Compatible with any traditional switch wallplate or screwless wallplate
- California Title 20 compliant



RI061



RFS5



RDC15

Table 1. Rotary Dimmers & Fan Speed Controls, Wire Leads

Catalog No.	For Lamp Type(s) or Fan Control Type	Description	Rating	Color Suffix
<input type="checkbox"/> RI061__	Incandescent, Halogen	Dimmer, single pole non-preset	600W 120V/AC	A, LA, V, W
<input type="checkbox"/> RI101__	Incandescent, Halogen	Dimmer, single pole non-preset	1000W 120V/AC	A, LA, V, W
<input type="checkbox"/> RI06P__	Incandescent, Halogen	Dimmer, single pole & 3-way, with preset	600W 120V/AC	A, LA, V, W
<input type="checkbox"/> RI06PL__	Incandescent, Halogen	Dimmer, lighted, single pole & 3-way, with preset	600W 120V/AC	A, LA, V, W
<input type="checkbox"/> RDC15__	Incandescent, quiet 4-speed	Dual dimmer & fan speed control combo, single pole	1.5A/300W 120V/AC	A, LA, V, W
<input type="checkbox"/> RDC25__	Incandescent fully variable	Dual dimmer & fan speed control combo, single pole	2.5A/300W 120V/AC	A, LA, V, W
<input type="checkbox"/> RFS15__	Quiet 3-speed	Fan speed control, single pole non-preset	1.5A 120V/AC	A, LA, V, W
<input type="checkbox"/> RFS5__	Fully variable	Fan speed control, single pole non-preset	5A 120V/AC	A, LA, V, W
<input type="checkbox"/> RKRL-BP__		Replacement knobs, for lighted rotary dimmer (RI06PL)		A, B, BK, GY, LA, V, W
<input type="checkbox"/> RKRD-BP__		Replacement knobs, for rotary dimmer (RI061, RI101, RI06P)		A, B, BK, GY, LA, V, W
<input type="checkbox"/> RKRC-BP__		Replacement knobs, for rotary fan control (RFS15, RFS5)		A, LA, V, W



Powering Business Worldwide

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Applications

Eaton's Rotary dimmers provide a smooth rotation, full range dimming for Incandescent and Halogen lighting. In addition, one fully variable and quiet 3-speed fan speed controls are included in the product series. This line offers single pole (single location) units for 600W and 1000W lamp loads along with a combined single pole and 3-way (multi-location) unit for 600W lamp loads. All rotary dimmers are compatible with any traditional-style switch wallplate or screwless wallplate.

Table 2. Specifications

Catalog No.	RI061, RI101, RI106P, RI106PL, RDC15, RDC25, RFS15, RFS5
Device Type	Rotary Dimmer & Fan Controls: RI061, RI101, RI106P, RI106PL, RDC15, RDC25, RFS15, RFS5
Wiring Type	Wire leads, #16 AWG
Testing & Code Compliance	<ul style="list-style-type: none"> cULus Listed to UL1472, file no. E47967 & CSA standard C22.2, no. 184.1, except fan control: Listed to UL1917, file no. E202842 & CSA standard C22.2, no. 156 NOM Certified California Title 20 compliant
Environmental Specifications	Flammability: Meets UL 94 requirements; V2 rated Temperature Rating: 0°C to 40°C (32°F to 104°F)
Electrical Specifications	Rating: 120V/AC 60 Hz Light Intensity Control: Full-range, continuously variable dimming Dimming Performance: Smooth and continuous Square Law Dimming curve Solid State Dimming Surge Protection: Meets ANSI/IEEE Std. C62.41-1980, tested to withstand voltage surges up to 6000V and current surges of up to 200A without damage Radio Frequency Interference: Designed to reduce interference with radio, audio and video equipment Power-failure Memory: Light or fan returns to same level prior to power interruption Lamp Ratings: Incandescent, Halogen, Magnetic Low- Voltage, Electronic Low-Voltage, Fluorescent
Mechanical Specifications	Wiring Types: Single pole & 3-way Voltage Ratings: Permanently marked on device

Table 3. Materials

Catalog No.	RI061, RI101, RI106P, RI106PL, RDC15, RDC25, RFS15, RFS5
Top Housing	Polycarbonate
Bottom Housing	Polycarbonate
Strap	Aluminum
Form Factor	Traditional
Finish	Gloss

De-Rating Chart	600W Models			1000W Models		
	1-Gang	2-Gang	3-Gang	No Sides Removed	1 Side Removed	2 Sides Removed
Incandescent	600W max.	600W max.	600W max.	1000W max.	900W max.	800W max.

Table 4. Color Ordering Information

For ordering devices, include Cat. No. followed by the color code: A (Almond), B (Brown), BK (Black), GY (Gray) LA (Light Almond), V (Ivory), W (White)

A	B	BK	GY	LA	V	W
(Almond)	(Brown)	(Black)	(Gray)	(Lt. Almond)	(Ivory)	(White)

Project Name:	Prepared By:
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Product Dimensions

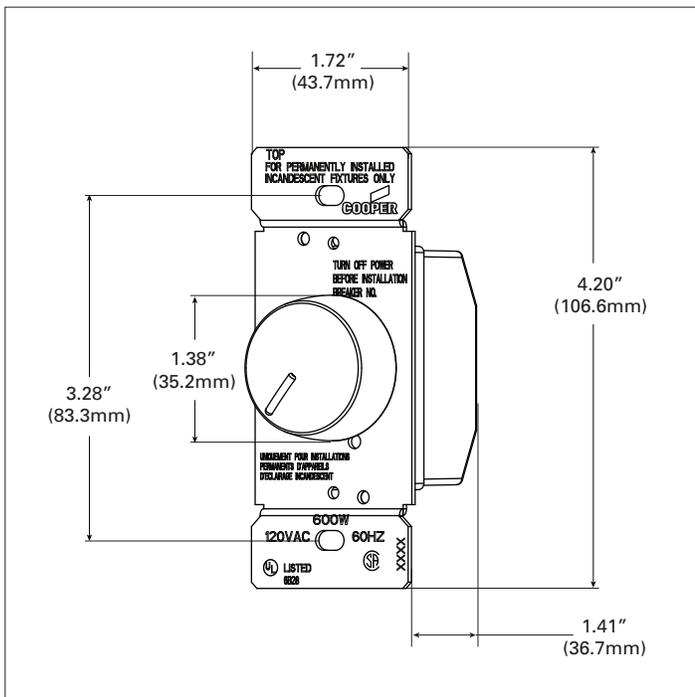


Figure 1. RI061 Line Art with Dimensions

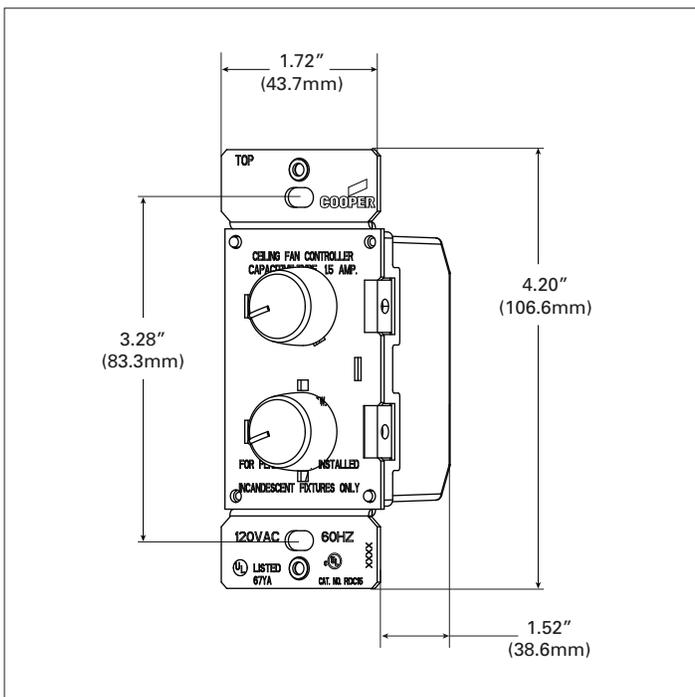
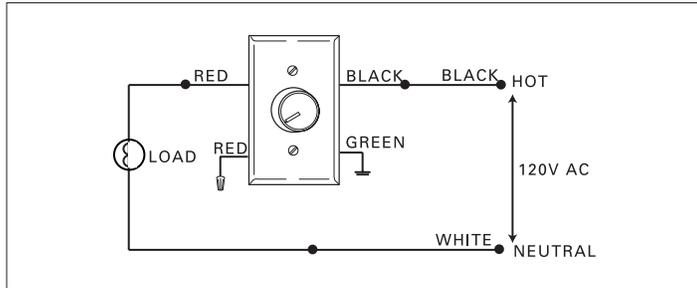


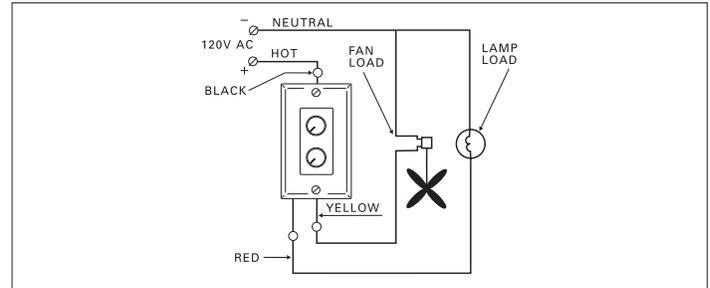
Figure 2. RDC15 Line Art with Dimensions

Wiring Diagrams

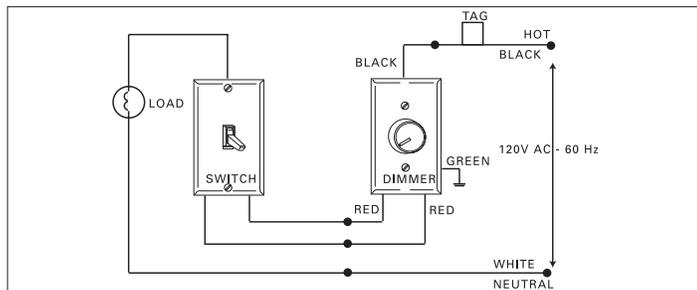
Single Pole Wiring Diagram, INC



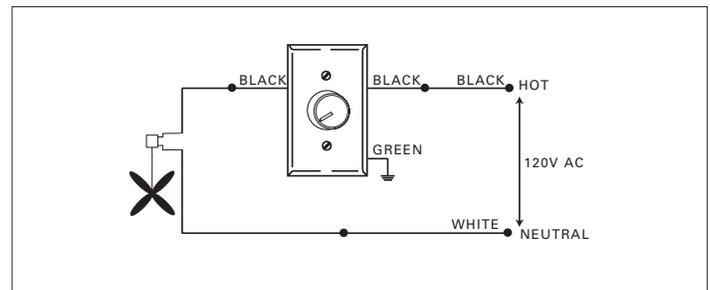
Single Pole Wiring Diagram, INC/3-Speed, 4-Speed & Fully Variable Fan



3-Way Wiring Diagram, INC



Single Pole Wiring Diagram, Fully Variable Fan



Certifications & Compliances

Catalog No.	cULus	NOM 426	TITLE 20
RI061	•	•	•
RI101	•	•	•
RI06P	•	•	•
RI06PL	•	•	•
RDC15	•	•	
RDC25	•	•	
RDS15	•		
RDS5	•		
RKRL-BP			
RKRD-BP			
RRKRC-BP			

KEY: cULus cULus NOM 426 NOM TITLE 20 Title 20 compliant

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

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