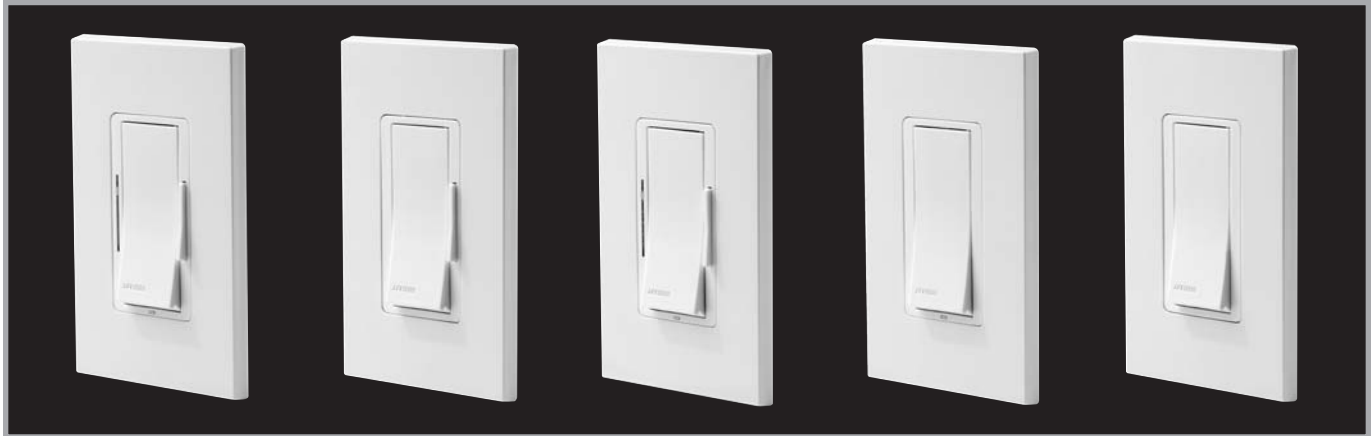


Commercial Grade Lighting Controls Collection



VZI06-1L / VZ00R-1L

VZ00R-10

VZE06

VZS15 / VZ0SR-1L

VZ0SR-10

KEY PRODUCT FEATURES

- Efficient construction with consistent form factor, excellent ergonomic traits and precision feel
- Digital circuitry provides aesthetically pleasing soft-on and fade-off
- Innovative contoured geometry offers an exclusive aesthetic design
- Superior versatility provides six product options in each box:
 - 3 changeable face plates • Single-pole or 3-way
- High gloss finish complements décor
- Green LED serves as locator
- Commercial Grade with Five-Year Limited Warranty
- Meet all applicable UL, CSA and FCC requirements
- Complements Vizia RF™ lighting controls and switches
- Compatible with Decora® screwless wallplates
- Multiple remotes available for multi-location control

STANDARD FEATURES

- Universal design
- Crisp actuation, minimal travel

SPECIFICATION SUBMITTAL

JOB NAME: <input type="text"/>	CATALOG NUMBERS: <input type="text"/>	
JOB NUMBER: <input type="text"/>	<input type="text"/>	<input type="text"/>

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DIMMERS

For Single-Pole, 3-Way or More Applications

Description	Rating (For Multigang Installation see Derating Chart)	Cat. No.
 Incandescent with LED Locator and Brightness Display	600W-120VAC	VZI06-1L
 Magnetic Low-Voltage with LED Locator and Brightness Display	600VA-120VAC	VZM06-1L
 Incandescent/Magnetic Low-Voltage with LED Locator and Brightness Display	1000W-120VAC Incandescent 1000VA-120VAC Magnetic Low-Voltage	VZM10-1L
 Electronic Low-Voltage with LED Locator and Brightness Display	400W-120VAC	VZE04-1L
 Electronic Low-Voltage with LED Locator and Brightness Display	600W-120VAC	VZE06-1L
 Mark 10™ Powerline or Tu-Wire™ Fluorescent Dimmer with LED Locator and Brightness Display	1000VA- 120VAC	VZX10-1L
 Mark 10™ Powerline Fluorescent Dimmer with LED Locator and Brightness Display	1200VA-277VAC	VZX12-7L
 Hi-lume® or Eco-10™ (Eco-Series) Fluorescent Dimmer with LED Locator and Brightness Display	8A-120VAC	VZH08-1L
 Hi-lume® or Eco-10™ (Eco-Series) Fluorescent Dimmer with LED Locator and Brightness Display	6A-277VAC	VZH06-7L
 Quiet Fan Speed Control with LED Locator and Speed Display	1.5A-120VAC	VZF01-1L






SWITCH

For Single-pole, 3-Way or More Applications

Description	Rating	Cat. No.
 Electronic Switch with LED Locator	15A-120VAC	VZS15-1L

REMOTES

For Multi-location Control

Description	Rating	Cat. No.
 Matching Dimmer Remote to 120VAC Dimmers/Fan Speed Control for 3-Way or up to 5 location applications, with LED Locator and Brightness/Fan Speed Display	120VAC No load rating	VZ00R-1L
 Matching Dimmer Remote to 277VAC Dimmers for 3-Way or up to 5 location applications, with LED Locator and Brightness Display	277VAC No load rating	VZ00R-7L
 Coordinating Dimmer Remote to 120VAC Dimmers/Fan Speed Control for 3-way or up to 10 location applications (No LEDs)	120VAC No load rating	VZ00R-10
 Matching Switch Remote for 3-way or up to 5 location applications, with LED Locator	120VAC No load rating	VZ0SR-1L
 Coordinating Switch Remote for 3-way or up to 10 location applications (No LED)	120VAC No load rating	VZ0SR-10

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DERATING/MAXIMUM CAPACITY

VZI06 Incandescent (Minimum load: 40W)

Gang	Maximum Wattage
1	600W
2	500W
3 or more	400W

VZM06 Magnetic Low-Voltage (Minimum load: 40VA)

Gang	Maximum VA	Maximum Bulb Wattage with 75% efficient transformer
1	600VA	450W
2	500VA	375W
3 or more	400VA	300W

Controls below have side sections. In multi-gang installations, fin removal is required and devices must be derated in accordance with the following charts.

VZM10 Incandescent/Magnetic Low-Voltage (Minimum load: 40W/VA)

Gang	Incandescent Maximum Wattage	Magnetic Low-Voltage Maximum VA	Magnetic Low-Voltage Maximum Bulb Wattage with 75% efficient transformer
1	1000W	1000VA	750W
2	800W	800VA	600W
3 or more	650W	650VA	525W

VZE04 Electronic Low-Voltage

Gang	Maximum Wattage
1	400W
2	350W
3 or more	250W

VZE06 Electronic Low-Voltage

Gang	Maximum Wattage
1	600W
2	500W
3 or more	400W

VZX10 Mark 10™ Powerline or Tu-Wire™ Fluorescent

Gang	Maximum VA
1	1000VA
2	800VA
3 or more	650VA

VZX12 Mark 10™ Powerline Fluorescent

1200VA 4.3A	No derating required
-------------	----------------------

VZH08 Hi-lume® or Eco-10™ (Eco-Series) Fluorescent Dimmer

8A	No derating required
----	----------------------

VZH06 Hi-lume® or Eco-10™ (Eco-Series) Fluorescent Dimmer

6A	No derating required
----	----------------------

VZF01 Quiet Fan Speed Control

1.5A	No derating required
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WIRING DIAGRAMS

Diagram 1

Single-pole wiring for incandescent or magnetic low-voltage dimmer.

Cat. Nos.

VZI06
VZM06
VZM10

NOTES:

- 1) VZI06 and VZM06 have screw terminals, VZM10 has leads
- 2) Red and Black leads (or terminals) are interchangeable

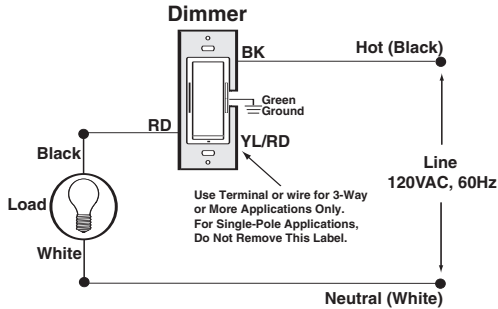


Diagram 2

Single-pole wiring for electronic low-voltage dimmer, Mark 10™ Powerline dimmer, fan speed control or switch.

Cat. Nos.

VZE04
VZE06
VZX10
VZF01
VZS15
VZX12-7L

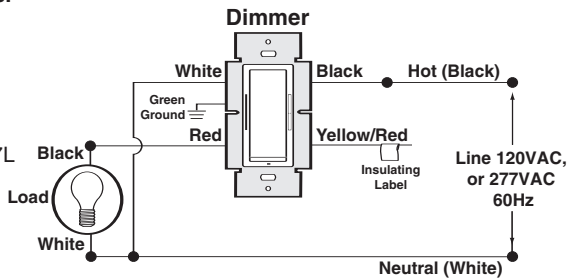


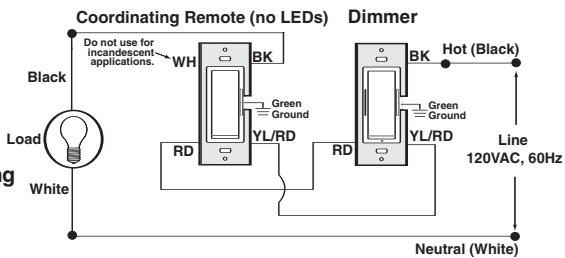
Diagram 3

3-Way wiring for incandescent or magnetic low-voltage dimmer with Coordinating Remote.

Cat. Nos.

VZI06
VZM06
VZM10

Coordinating Remote
VZ00R-10



NOTES:

- 1) VZI06 and VZM06 have screw terminals, VZM10 has leads
- 2) Coordinating Remote VZ00R-10 has screw terminals
- 3) Black connections are interchangeable (see Diagram 4)
- 4) Silver terminal on Coordinating Remote is unused

Diagram 4

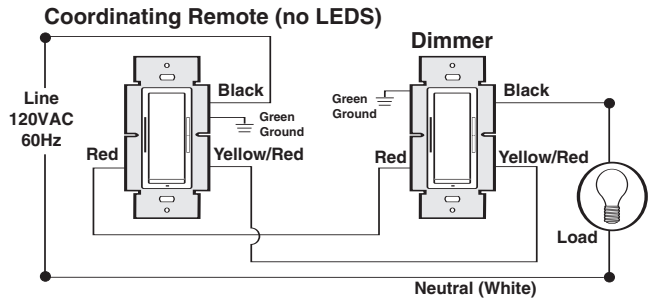
Alternate 3-Way wiring for incandescent or magnetic low-voltage dimmer with Coordinating Remote.

Cat. Nos.

VZI06, VZM06, VZM10

Coordinating Remote

VZ00R-10



NOTES:

- 1) VZI06 and VZM06 have screw terminals, VZM10 has leads
- 2) Coordinating Remote VZ00R-10 has screw terminals
- 3) Black connections are interchangeable (see Diagram 3)
- 4) Silver terminal on Coordinating Remote is unused

Diagram 5

3-Way wiring for electronic low-voltage dimmer, Mark 10™ Powerline dimmer, fan speed control or switch with Coordinating Remote.

Cat. Nos.

VZS15

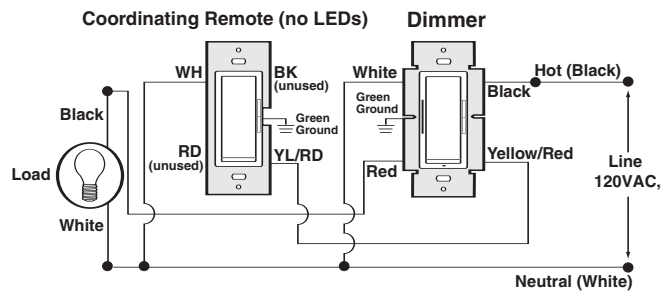
Coordinating Remote
VZ0SR-10

Cat. Nos.

VZE04, VZE06
VZX10, VZF01

Coordinating Remote

VZ00R-10



NOTES:

- 1) Coordinating Remotes VZ0SR-10 and VZ00R-10 have screw terminals
- 2) Black and Red terminals on Coordinating Remotes are unused

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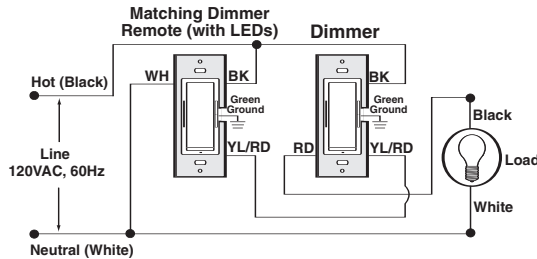
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WIRING DIAGRAMS

Diagram 6

3-Way wiring for incandescent or magnetic low-voltage dimmer with Matching Remote.

Cat. Nos.
VZI06
VZM06
VZM10
Matching Remote
VZ00R-1L



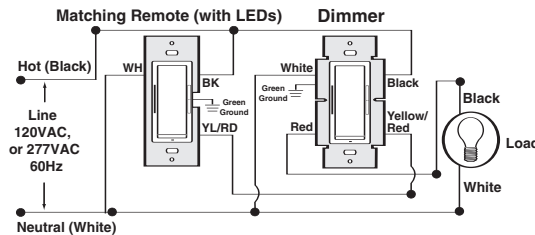
NOTES:

- 1) VZI06 and VZM06 have screw terminals, VZM10 has leads
- 2) Matching Remote VZ00R-1L has screw terminals

Diagram 7

3-Way wiring for electronic low-voltage dimmer, Mark 10™ *Powerline* dimmer, fan speed control or switch with Matching Remote.

Cat. Nos.
VZS15
Matching Remote
VZ0SR-1L
Cat. Nos.
VZE04
VZE06
VZX10
VZF01
VZX12-7L
Matching Remote
VZ00R-1L
VZ00R-7L



NOTES:

- 1) Matching Remotes VZ0SR-1L, & VZ00R-1L have screw terminals
- 2) VZ00R-7L has leads

Diagram 8

Single-pole wiring for Hi-lume® fluorescent dimmer

Cat. Nos.
VZH08
VZH06-7L

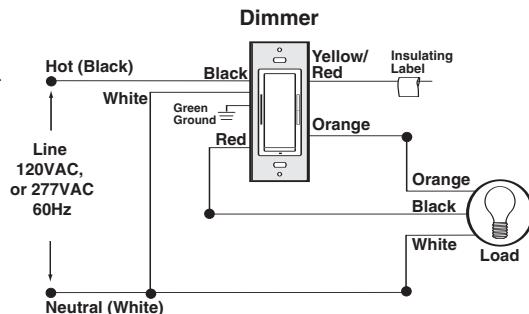
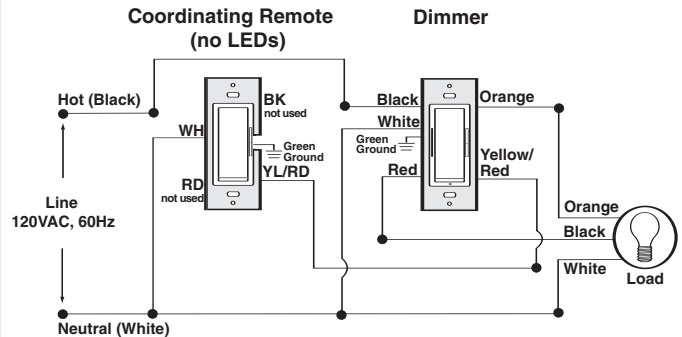


Diagram 9

3-Way wiring for Hi-lume® fluorescent dimmer with Coordinating Remote.

Cat. Nos.
VZH08
Coordinating Remote
VZ00R-10



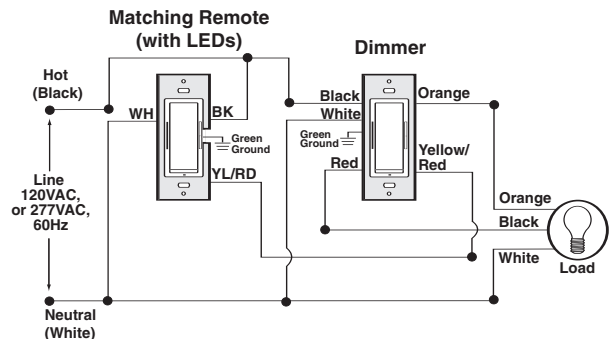
NOTES:

- 1) Coordinating Remote VZ00R-10 has screw terminals
- 2) Black and Red terminals on Coordinating Remote are unused

Diagram 10

3-Way wiring for Hi-lume® fluorescent dimmer with Matching Remote.

Cat. Nos.
VZH06-7L VZH08-1L
Matching Remote
VZ00R-1L VZ00R-7L



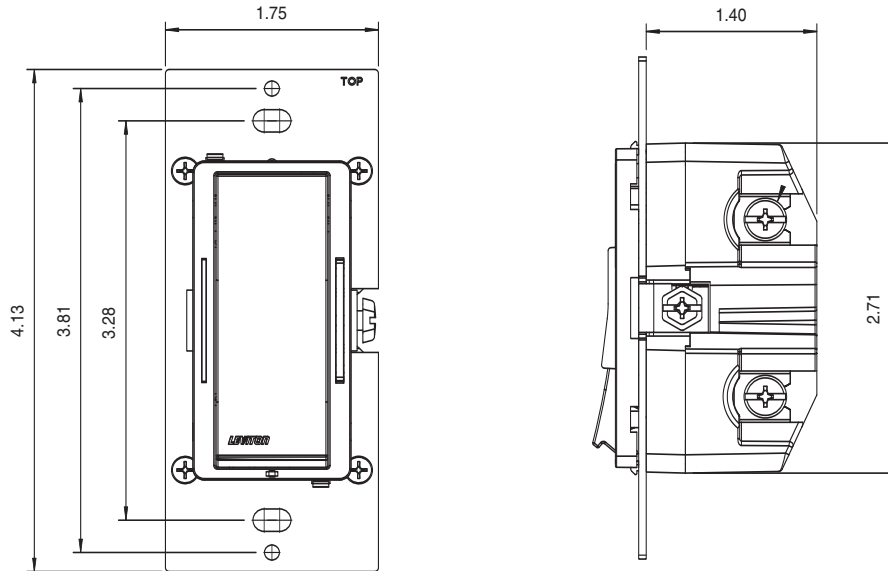
NOTES:

- 1) Matching Remote VZ00R-1L has screw terminals
- 2) Matching Remote VZ00R-7L has leads

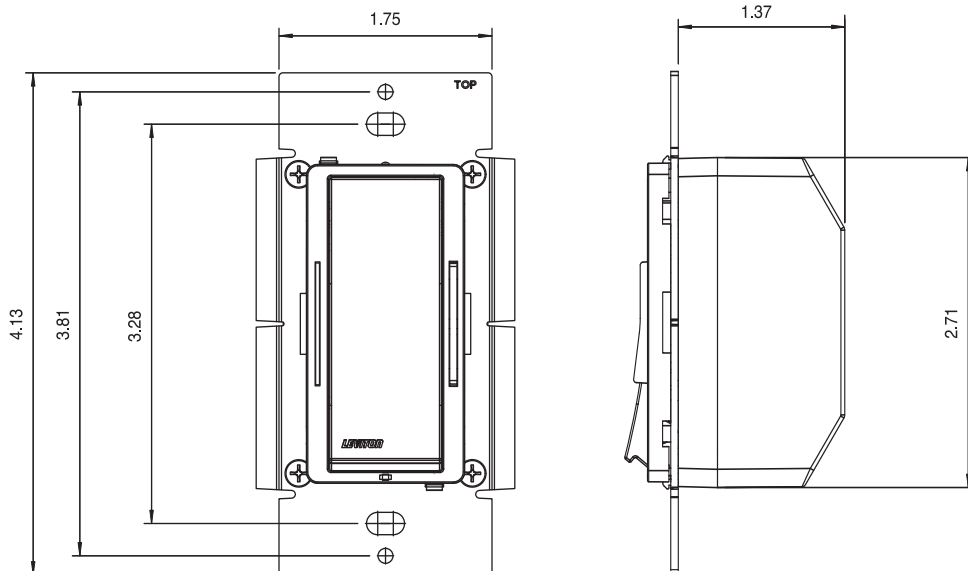


DIMENSIONS

All Dimmers, Quiet Fan Speed Control, Electronic Switch, Matching and Coordinating Dimmer and Switch Remotes



Dimmer with LEDs Shown - VZI06, VZM06, VZ00R-1L, VZ00R-10, VZ0SR-1L, VZ0SR-10, VZS15



Dimmer w/LED's shown - VZM10, VZE04, VZE06, VZH08, VZX10, VZX12-7L, VZH06-7L, VZF01, VZ00R-7L

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PART 1 — GENERAL

1.01 SUMMARY

- A. Section Includes: Vizia-style switches, dimmers, fan speed control (and corresponding remote units), for the areas indicated on the drawings, specifications, and load schedule
- B. Related Sections: Section 16570 (Dimming Controls), Section 16580 (Ballasts)

1.02 REFERENCES

A. Vizia Lighting Controls:

1. UL Standard 1472
2. CSA Standard C22.2 No. 184-M1988
3. IEC Level 4 Surge and Fast Transients
4. California Title 24 2005
5. UL Standard 1472
6. FCC Part 15, Class B for Residential Compliance
7. MIL. STD 105 or ANSI Z1.4
8. UL Listed (File #E-31373)
9. CSA Certified (File #LR-3413)

1.03 SYSTEM DESCRIPTION

- A. Permanently installed, wallbox mounted switches, dimmers and corresponding remote units
- B. Permanently installed, wallbox mounted fan-speed control and corresponding remote units

1.04 SUBMITTALS

- A. Submit manufacturer's standard catalog data giving all product, application, wiring, and installation information on all basic components and wallplates. Provide test data and/or samples for finish, color and texture as required to demonstrate conformance with PART 2 of this specification.

1.05 QUALITY ASSURANCE

- A. Manufacturer shall have a minimum of 20 years continuous experience in the manufacture of wallbox-mounted dimming products.
- B. Dimmers, switches and fan-speed control shall be UL Listed and CSA approved specifically for each required load (tungsten, electronic low-voltage ballast, magnetic low-voltage ballast, Mark 10™ *Powerline* fluorescent, and Hi-lume® fluorescent). Manufacturer shall provide file card or certificate upon request. Universal load-type dimmers shall not be acceptable.
- C. Source Limitations: To assure compatibility, all dimming controls shall be obtained from a single source with complete responsibility over all lighting controls, including accessory products. The use of subcontracted component assemblers is not acceptable.
- D. Manufacturer shall be ISO 9001 certified and provide a copy of the certificate upon request.

1.06 WARRANTY

- A. Manufacturer's Warranty: All equipment shall be warranteed free of defects in materials and workmanship.
 1. Warranty Period: Five years from date of purchase
 2. Owner Rights: Manufacturer's warranty is in addition to, not a limitation of, other rights the Owner may have under contract documents.

PART 2 — PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Leviton Manufacturing Co., Inc.
- B. Unless otherwise noted, all basic components (dimmer, fan-speed control, switch and corresponding remote units) shall be provided by one manufacturer.

2.02 EQUIPMENT

A. Leviton Vizia Lighting Controls

1. Performance

- a. Controls shall provide full-range, continuously variable control of light intensity.
- b. Dimmers requires 40W minimum load.
- c. Controls shall fit in the Decora wallplate opening only. Controls shall be thin profile with no exposed heat sink/yoke and shall fit in a single-gang 18 cubic-inch wallbox. All controls shall have a high-gloss finish.
- d. Controls shall provide a green LED Locator light that shall illuminate when the lights are OFF to help users locate control in the dark.
- e. Controls shall provide a Dim/Bright bar that allows light level (or fan speed) to be set by the user. A seven-step LED indicator shall be integrated in the Dim/Bright bar to show relative lighting level. Push Pad with return-to-neutral design shall provide preset ON/OFF control independent of Dim/Bright bar.
- f. Push Pad and Dim/Bright bar shall be ergonomically designed for precise tactile quality with distinct actuation confirmation.
- g. Controls shall provide a default setting where Push Pad preset ON switching returns lights to last selected level when lights were ON.
- h. Controls shall provide a Dim Lock feature that allows users to program a customized preset ON level. With Dim Lock active, lights shall switch ON to selected preset level regardless of last established light level (Default setting is with Dim Lock OFF; it shall be activated by user if desired).
- i. Controls shall provide a selectable fade rate for ON and OFF switching. Default setting shall be 1.5 seconds for ON and 3.0 seconds for OFF.
- j. Controls shall provide a 10 second delay-OFF from ON when Push Pad is pressed and held.
- k. Controls shall provide switching from OFF to maximum brightness when Push Pad is pressed and held.
- l. Controls shall provide the ability to change the selected brightness level by pressing the Dim/Bright bar while the lights are OFF. LED display shall show selected level and lights shall not be turned ON.
- m. Controls shall provide intuitive "house guest" feature allowing lights to be dimmed to OFF by pressing and holding the Dim/Bright bar. Preset level shall not be changed.
- n. Controls shall provide an adjustable minimum brightness setting to accommodate lighting loads with a minimum turn-on voltage.
- o. Programmable settings for Dim Lock preset level, minimum brightness level and fade rate shall not require tools or wallplate removal.
- p. Controls shall provide single-pole, 3-way, or multi-location control with choice of remote dimmers.
- q. Matching Dimmer Remote VZ00R-1L/-7L shall provide green LED Locator and LED Brightness display and shall provide 3-way or up to 5 location control. Matching Remote shall require neutral connection.
- r. Coordinating Dimmer Remote VZ00R-10 shall provide 3-way or up to 10 location control. Coordinating Remote shall require neutral connection in specific applications.
- s. Coordinating Switch Remote VZOSR-10 shall provide 3-way or up to 10 location control. Coordinating Remote shall require neutral connection in specific applications.
- t. Controls shall provide air gap switch to totally disconnect power from load during OFF condition. Air gap switch shall be concealed during normal operation and shall be accessible without removing wallplate.



- u. Within rated capacity, dimmers shall be available for direct control of incandescent, electronic low-voltage, magnetic low-voltage, Mark 10™ *Powerline* fluorescent, and Hi-lume® or Eco-10™ (Eco-Series) fluorescent. Matching fan-speed control and switches shall also be available.
- v. Controls may require the removal of fins in multi-gang installations. Controls shall be derated in multi-gang installations in accordance with manufacturer's specifications.
- w. Controls shall provide transient surge protection to IEC Level 4.
- x. Controls shall provide ESD protection to IEC 1000 4-2 Level 4 to protect against damage and memory loss due to static discharges.
- y. Dimmers shall provide RFI filtering for radio, audio, and video equipment.
- z. Controls shall incorporate power-failure memory. Should power be interrupted and subsequently returned, the lights or fans will come back on to the same levels set prior to the power interruption.
- aa. Controls shall operate in an ambient temperature range of 0°C (32°F) to 55°C (131°F).

2. Incandescent Dimmers

- a. Dimmers shall have a maximum output of no less than 95% of line voltage.
- b. VZIO6 shall provide 4 terminal screws for Line, Load, Remote and Ground.
- c. VZM10 rated for 1000W incandescent shall provide 4 wire leads for Line, Load, Remote and Ground.

3. Electronic Low-Voltage (ELV) Dimmers

- a. Dimmers shall contain circuitry specifically designed to control the input of electronic (solid state) low-voltage transformers. Dimmers using standard phase control shall not be acceptable.
- b. VZE04 (400W) and VZE06 (600W) dimmers shall have a resettable overload protection that automatically shuts off when dimmer capacity is exceeded.
- c. Dimmers shall provide 5 wire leads for Line, Load, Neutral, Remote and Ground.

4. Magnetic Low-Voltage (MLV) Dimmer

- a. VZM10 shall provide direct control of up to 1000VA of 120V magnetic low-voltage load.
- b. Dimmer shall contain circuitry specifically designed to control and provide a symmetrical AC waveform to the input of magnetic low voltage transformers per UL 1472 section 5.11.
- c. Dimmer shall not cause a magnetic low voltage transformer to operate above the transformers rated operating current or temperature.
- d. Dimmers shall have a maximum output of no less than 95% of line voltage.
- e. Dimmer shall provide 4 wire leads for Line, Load, Remote and Ground.

5. Fluorescent Dimmers

- a. Fluorescent dimmers shall provide direct control of fluorescent dimming ballasts up to the manufacturer's specified rating.
- b. VZX10 shall be rated 1000VA to control Mark 10™ *Powerline* or Tu-Wire™ ballasts and provides 5 wire leads for Line, Load, Neutral, Remote and Ground.
- c. VZH08 shall be rated 8A to control Hi-lume® or Eco-10™ (Eco-Series) ballasts and provides 6 wire leads for Line, Load, Neutral, Signal, Remote and Ground.

6. Fan-Speed Control

- a. VZF01 Quiet Fan-Speed Control shall be rated 1.5A and provide Low-Medium-High speed settings plus OFF.
- b. VZF01 shall provide microprocessor-controlled "kick-start" to allow fan to go directly from OFF to any speed setting.
- c. VZF01 shall provide 5 wire leads for Line, Load, Neutral, Remote and Ground.

7. Switches

- a. All switches shall be completely compatible with Vizia lighting controls and provide ON/OFF Push Pad ergonomically designed for precise tactile quality with distinct actuation confirmation.
- b. All switches shall provide a green LED locator light that shall illuminate when the lights are OFF to help users locate control in the dark.
- c. VZS15 electronic switch shall be rated 15A 120V AC and provide 5 screw terminals for Line, Load, Neutral, Remote and Ground.
- d. VZS15 electronic switch shall provide single-pole, 3-way, or multi-location control with choice of remote dimmers.
- e. Matching Remote Switch VZOSR-1L shall provide green LED locator and shall provide 3-way or up to 5 location control. Matching Remote shall require neutral connection.
- f. Coordinating Remote Switch VZOSR-10 shall provide 3-way or up to 10 location control. Coordinating Remote shall require neutral connection.

2.03 SOURCE QUALITY CONTROL

- A. All dimming controls shall be 100% functionally tested at the time of manufacture. Statistical sampling plan shall not be acceptable.

PART 3 — EXECUTION

3.01 INSTALLATION

- A. Contractor shall furnish all devices (dimmers, switches), labor and other services necessary for the proper installation of the devices as indicated on the drawings and specified herein.
- B. Contractor shall be responsible for derating lighting control capacity in multi-gang installations.
- C. Devices shall be installed utilizing manufacturer's recommended application, wiring and installation instructions.
- D. Contractor shall provide frameless wallplate covers per specification 2.02 for all devices ganged in a common box. Contractor shall provide barriers within the box where required by code.

3.02 FIELD QUALITY CONTROL

- A. Leviton technical hotline available 8:30AM–7:30PM E.S.T. Monday–Friday: 1-800-824-3005
- B. Supplemental information shall be provided by Leviton's website at www.leviton.com/vizia

Tu-Wire™ and Eco-10™ (Eco-Series) are trademarks and Hi-lume® is a registered trademark of Lutron Electronics, Inc.
Mark 10® *Powerline* is a registered trademark of Advance Transformer

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Note: Features and specifications subject to change

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