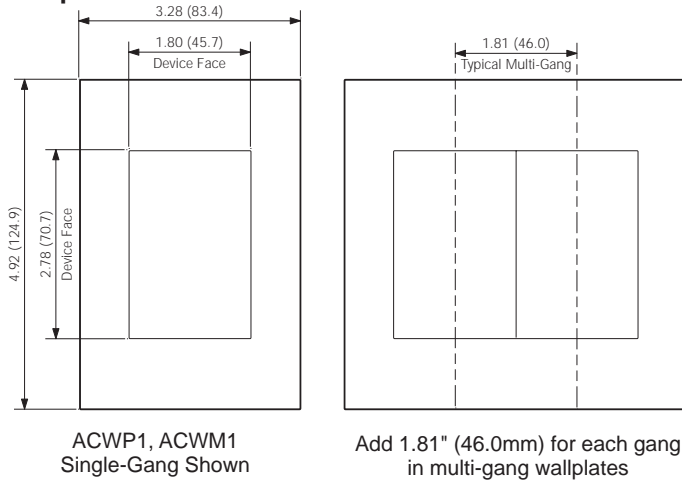
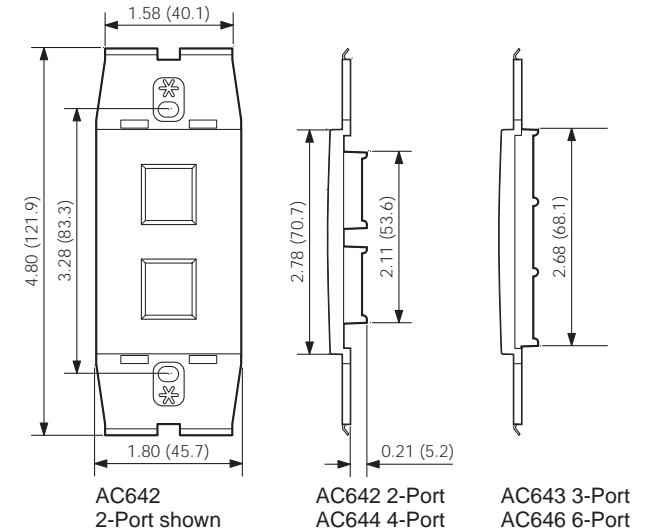


DIMENSIONS

Wallplates



Voice & Data QuickPort® Wallplate Inserts



WIRING DIAGRAMS

Diagram 1

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

Cat. Nos.

ACI06
ACM06
ACM10

NOTES:

- 1) ACI06 and ACM06 have screw terminals, ACM10 has leads
- 2) Red and Black leads (or terminals) are interchangeable

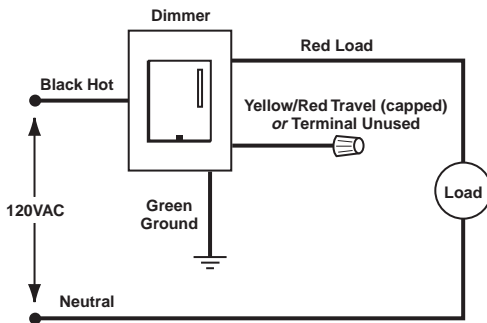


Diagram 2

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

Cat. Nos.

ACE04
ACE06
ACX10
ACF01
ACS15

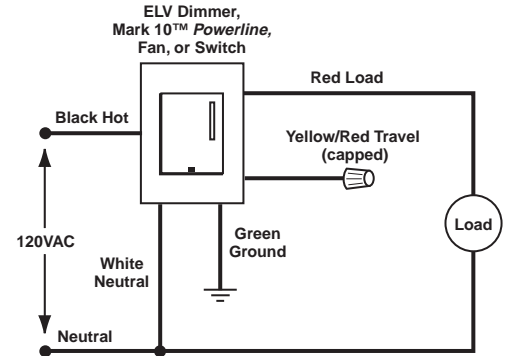


Diagram 3

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

Cat. Nos.

ACI06
ACM06
ACM10

Coordinating Remote

AC00R-10

NOTES:

- 1) ACI06 and ACM06 have screw terminals, ACM10 has leads
- 2) Coordinating Remote AC00R-10 has screw terminals
- 3) Black connections are interchangeable (see Diagram 4)
- 4) Silver terminal on Coordinating Remote is unused

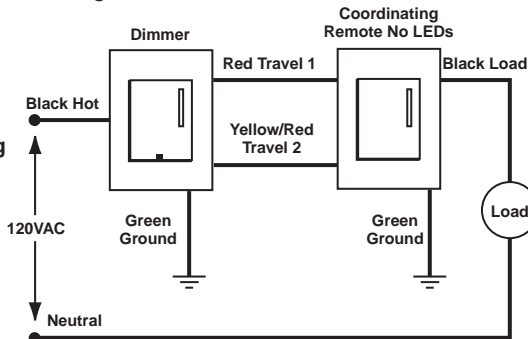


Diagram 4

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

Cat. Nos.

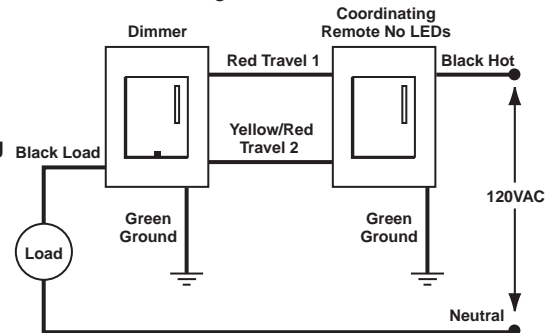
ACI06
ACM06
ACM10

Coordinating Remote

AC00R-10

NOTES:

- 1) ACI06 and ACM06 have screw terminals, ACM10 has leads
- 2) Coordinating Remote AC00R-10 has screw terminals
- 3) Black connections are interchangeable (see Diagram 3)
- 4) Silver terminal on Coordinating Remote is unused



WIRING DIAGRAMS

Diagram 5

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

Cat. Nos.

ACS15

Coordinating Remote

AC0SR-10

Cat. Nos.

ACE04

ACE06

ACX10

ACF01

Coordinating Remote

AC00R-10

NOTES:

1) Coordinating Remotes AC0SR-10 and AC00R-10 have screw terminals

2) Black and Red terminals on Coordinating Remotes are unused

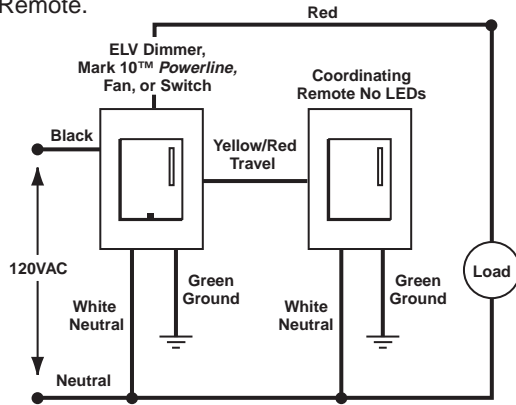


Diagram 6

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

Cat. Nos.

ACI06

ACM06

ACM10

Matching Remote

AC00R-1L

NOTES:

1) ACI06 and ACM06 have screw terminals, ACM10 has leads

2) Matching Remote AC00R-1L has screw terminals

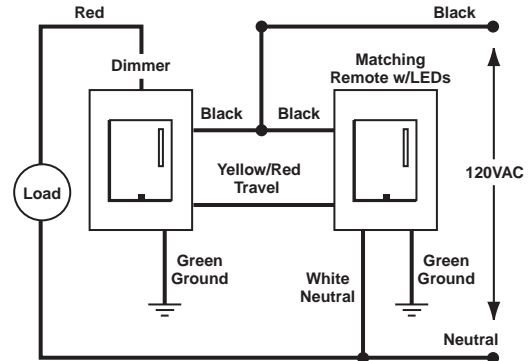


Diagram 7

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

Cat. Nos.

ACS15

Matching Remote

AC0SR-1L

Cat. Nos.

ACE04

ACE06

ACX10

ACF01

Matching Remote

AC00R-1L

NOTE:

Matching Remotes AC0SR-1L and AC00R-1L have screw terminals

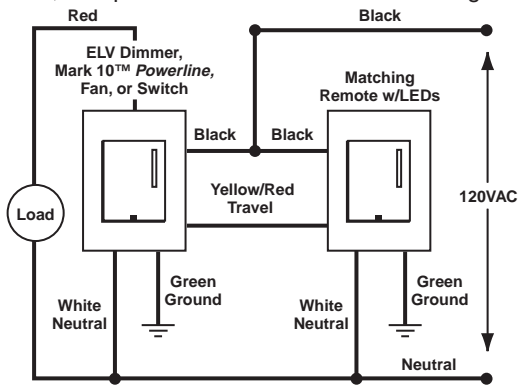


Diagram 8

Single-pole wiring for Hi-lume® fluorescent dimmer

Cat. Nos.

ACH08

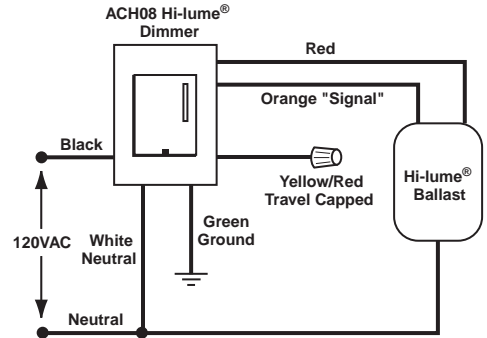


Diagram 9

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

Cat. Nos.

ACH08

Coordinating Remote

AC00R-10

NOTES:

1) Coordinating Remote AC00R-10 has screw terminals

2) Black and Red terminals on Coordinating Remote are unused

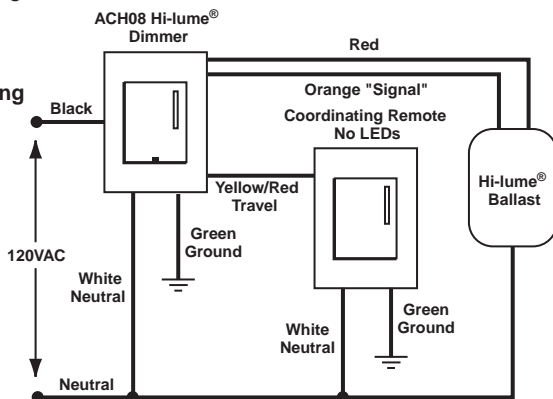


Diagram 10

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

Cat. Nos.

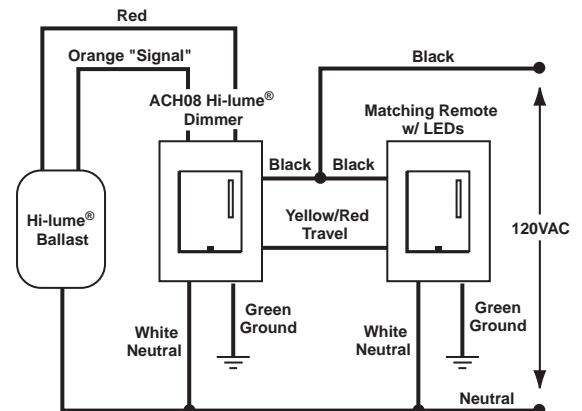
ACH08

Matching Remote

AC00R-1L

NOTES:

Matching Remote AC00R-1L has screw terminals



WIRING DIAGRAMS

Diagram 11

Single-pole wiring for 20A electromechanical switch

Cat. Nos.
AC201

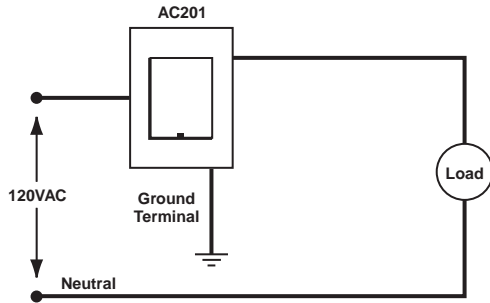


Diagram 12

Triplex Receptacle Wiring

Cat. Nos.
AC315
AC320

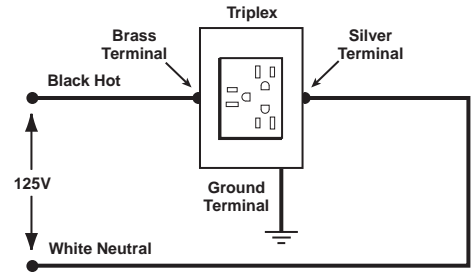


Diagram 13

GFCI Wiring

Cat. Nos.
ACGF1
ACGF2

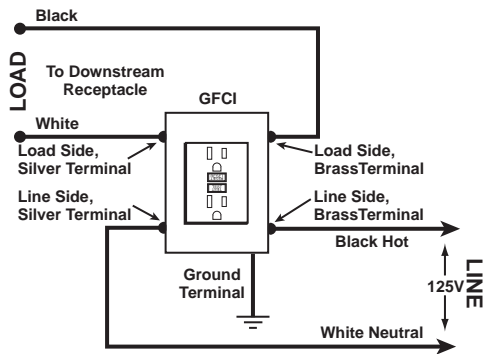
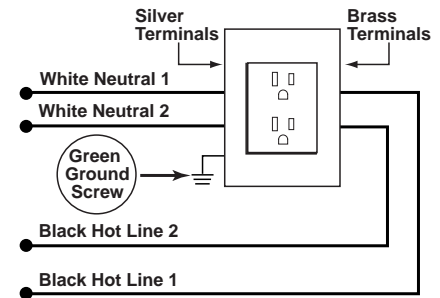
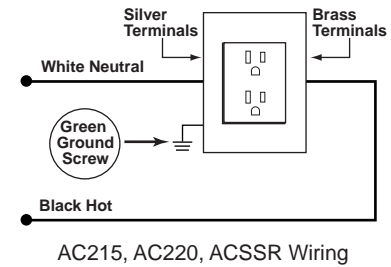


Diagram 14

Duplex Receptacle Wiring

Cat. Nos.
AC215
AC220
ACSSR



AC215, AC220, Alternate Wiring —
Terminal Break-Off Fins removed

PART 1 — GENERAL

1.01 SUMMARY

- A. Section Includes: Acenti-style switches, dimmers, fan speed control (and corresponding remote units), receptacles, wallplates and related devices as specified herein 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. Acenti 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
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)

B. Acenti Switches:

1. UL 20
2. NEMA WD-1 & WD-6
3. CSA Standard C22.1 No. 111
4. UL Listed (File #E-7458)
5. CSA Certified (File #LR-152105)

C. Acenti Receptacles

1. All Receptacles
 - a. NEMA WD-1 & WD-6
 - b. UL 498
 - c. CSA C22.2 No. 42
2. Triplex and Duplex Receptacles
 - a. UL Listed (File #E-13399)
 - b. CSA Certified (File #LR-152105)
3. Surge Protective Receptacles
 - a. UL Listed (File #E-13399)
 - b. CSA Certified (File #MC152105/LR-406)
4. GFCI Receptacles
 - a. UL 943 Class A (File #E-48380)
 - b. CSA Certified (File #LR-57811)

D. Wallplates

1. All wallplates
 - a. UL 514D (File #E-13397)
 - b. CSA C22-2 No. 42.1 (File #152105)
 - c. NEMA WD-1 & WD-6

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
- C. Permanently installed, wallbox mounted receptacles, including triplex, duplex, surge protective and GFCI
- D. Permanently installed, wallbox mounted voice, data and cable jacks
- E. Screwless, snap-on wallplates

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 warranted 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; receptacle; voice, data and cable jack; and wallplates) shall be provided by one manufacturer.

2.02 EQUIPMENT

A. Leviton Acenti 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 Acenti 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 matte finish.
- d. Controls shall provide a blue 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 five-step blue 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 Remote AC00R-1L shall provide blue 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 Remote AC00R-10 shall provide 3-way or up to 10 location control. Coordinating Remote shall require neutral connection in specific applications.
 - s. 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.
 - t. 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.
 - u. Controls shall not require the removal of fins in multi-gang installations. Controls shall be derated in multi-gang installations in accordance with manufacturer's specifications.
 - v. All Controls shall have a clear polycarbonate base.
 - 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. AC106 shall provide 4 terminal screws for Line, Load, Remote and Ground.
 - c. ACM10 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. ACE04 (400W) and ACE06 (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. ACM10 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. ACX10 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. ACH08 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. ACF01 Quiet Fan-Speed Control shall be rated 1.5A and provide Low-Medium-High speed settings plus OFF.
 - b. ACF01 shall provide microprocessor-controlled "kick-start" to allow fan to go directly from OFF to any speed setting.
 - c. ACF01 shall provide 5 wire leads for Line, Load, Neutral, Remote and Ground.
 - 7. Switches**
 - a. All switches shall be completely compatible with Acenti lighting controls and provide ON/OFF Push Pad ergonomically designed for precise tactile quality with distinct actuation confirmation.
 - b. All switches shall provide a blue LED locator light that shall illuminate when the lights are OFF to help users locate control in the dark.
 - c. ACS15 electronic switch shall be rated 15A 120V AC and provide 5 screw terminals for Line, Load, Neutral, Remote and Ground.
 - d. ACS15 electronic switch shall provide single-pole, 3-way, or multi-location control with choice of remote dimmers.
 - e. Matching Remote Switch AC0SR-1L shall provide blue LED locator and shall provide 3-way or up to 5 location control. Matching Remote shall require neutral connection.
 - f. Coordinating Remote Switch AC0SR-10 shall provide 3-way or up to 10 location control. Coordinating Remote shall require neutral connection.
 - g. AC201 electromechanical switch shall be single-pole only and rated 20A 120V AC with 3 screw terminals for Line, Load and Ground.
- B. Acenti Receptacles**
 1. All Leviton Acenti Receptacles shall be designed to perfectly coordinate with Leviton Acenti Switches and Lighting Controls.
 2. Acenti Triplex Receptacle shall provide unique space-saving convenience by accepting three grounding plugs. AC315 Triplex shall be rated 15A-125V (NEMA 5-15R), AC320 Triplex rated 20A-125V (NEMA 5-20R).
 3. Acenti Triplex Receptacles shall fit into standard size single-gang wallbox.
 4. Acenti Duplex Receptacles shall also be available.
 5. ACSSR Acenti Duplex Surge Receptacle (15A-125V NEMA 5-15R) shall provide point-of-use surge protection for sensitive electronic equipment.
 - a. Blue monitor/indicator light shall coordinate with all Acenti blue LEDs and provide surge protection status at a glance.
 - b. Audible tone alert shall sound if surge protection is lost.
 - c. Surge Receptacle shall provide eight back-wire holes (two for each line and load connection) and ground terminal for easy installation.