

## Commercial Specification Grade 15 and 20 Ampere AC Quiet Switches Side Wired, Toggle

### APPLICATION

In accordance with the NEC, these devices are suitable only for use on alternating-current circuits for controlling resistive and inductive loads (including electric discharge lamps); tungsten-filament lamp loads and motor loads in commercial, industrial and institutional installations where extended mechanical and electrical life are specified.

### SIDE WIRED-GROUNDING SCREW TOGGLE

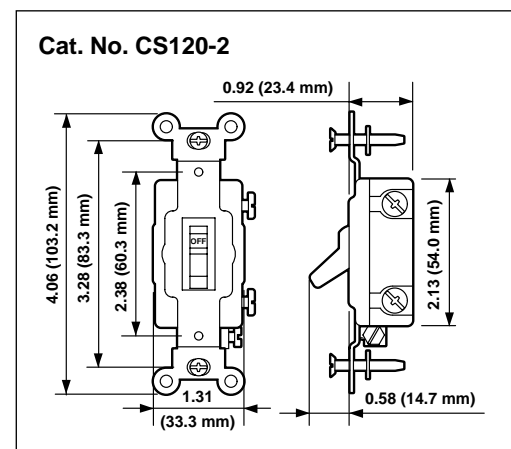
Description	15 A 120/277V AC 1/2 HP @ 120V 2 HP @ 240V	20 A 120/277V AC 1 HP @ 120V 2 HP @ 240V	ANSI Symbol
Single Pole	CS115-2	CS120-2	S
Double Pole	CS215-2	CS220-2	S2
3-Way	CS315-2	CS320-2	S3
4-Way	CS415-2	CS420-2	S4
Single Pole, Lighted Toggle	5501-LHI	----	S
3-Way, Lighted Toggle	5503-LHI	----	S3



### COLOR AVAILABILITY

Basic Cat. Nos. shown above for single pole, double pole, 3-and 4-way toggle switches are for Brown color. For other colors, add suffixes as follows: Ivory (-2I), White (-2W), Gray (-2GY) and Almond (-2A). \*For lighted Toggle, Cat Nos. shown are for Ivory. For White, add suffix (-LHW).

\*CS215 not available in almond.



**COMMERCIAL**  
SPECIFICATION GRADE



**COMMERCIAL SPECIFICATION GRADE  
15 AND 20 AMPERE AC QUIET  
SWITCHES SIDE WIRED, TOGGLE**

**CS120-2**

**TYPICAL SPECIFICATION**

15 and 20 ampere AC Switches shall be Leviton Commercial Specification Grade AC Quiet Switches, side wired, self-grounding when installed in grounded metal wall boxes. Single pole, double pole, 3-way and 4-way toggle, lighted toggle, single pole or 3-way shall be as scheduled on plan. These devices meet current Federal Specification W-S 896, and are UL Listed-File No. E 7458.

**FEATURES**

- Full-rated current capacity on fluorescent, tungsten and resistive loads; motor load capacity is up to 80% of switch current rating
- Large silver-cadium oxide contacts minimize pitting welding, thereby maximizing current flow and extending life
- All molded parts are thick sectioned thermoplastic, for high impact resistance
- Single-pole, double-pole, 3-way and 4-way switches are available with brown, ivory, white, gray and almond toggles; lighted toggles available in white and ivory.
- Equipped with green, hexagonal grounding screw
- Terminal screws are triple combination head, straight slot, Philips, Robertson, #8-32 brass, backed out and staked for rapid wiring; accept up to #10 copper or copper clad wire,
- Heavy-gauge zinc plated steel mounting strap for maximum strength; washer-type breakoff plaster ears facilitate flush alignment in wall box
- Fast, easy installation offered through .92" shallow body design .86 inch shallow body for fast, easy installation
- For lighted toggle versions, toggle is illuminated when power to load is off
- Covered by Leviton's Limited Ten-Year Warranty

**PERFORMANCE SPECIFICATIONS**

<b>Electrical</b>	
UL 20 Test	(For all 15 and 20A-120/277V AC ratings) 100 cycles of overload at 4.8 times rated current 10,000 cycles of resistance load at rated current 10,000 cycles of inductive load at rated current Temperature rise test at rated current (30°C above ambient max. temperature rise allowed)
	10,000 tungsten lamp load at rated current 1500V dielectric
<b>Mechanical</b>	
Terminal Identification	Brass, copper, white (lighted) and green (ground) identified in accordance with UL-20
Terminal Accommodations	Up to #10 AWG for 15 & 20 Amp, copper or copper clad only
Product Identification	Color coded covers; ratings on devices
<b>Environmental</b>	
Flammability	Rated V2
Operating Temperature	-40°C to 65°C

**TESTING AND CODE COMPLIANCE**

All switches listed herein are made in compliance with NEMA, ANSI and UL Standards, and are verified by Underwriters Laboratories to meet current Federal Specification W-S 896 through tests UL 20 and NEMA Heavy Duty Performance Tests WD-1, as required by GSA. Tests included (in part) are for Current Overload, Temperature Rise, Non-Inductive Endurance and Tungsten Filament Lamp Endurance.

These switches are suitable for use in accordance with federal, state, county, municipal and local codes, including the National Electric Code and OSHA Code.

**LEVITON'S LIMITED TEN-YEAR WARRANTY**

This warranty gives you specific legal rights, and you may also have other rights which vary in different states and countries. LEVITON warrants to the original consumer purchaser that this product is free of defects in materials and workmanship for 10 years from purchase date. Leviton will correct such deficits by repair or replacement, at its option, if the product is returned prepaid, with proof of purchase date, to Leviton Manufacturing Company, Inc., Attn.: Quality Assurance Department, 59-25 Little Neck Parkway, Little Neck NY 11362-2591. This warranty does not cover labor for removal or reinstallation of the product and is void on any product installed improperly or in an improper environment, overloaded, misused, opened, abused or altered in any manner. Leviton limits the duration of any implied warranty of merchantability to 10 years and excludes incidental or consequential damages for breach of any warranty on this product. Some jurisdictions may not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above exclusions or limitations may not apply to you.

Leviton Mfg. Co., Inc.  
59-25 Little Neck Pkwy • Little Neck, NY 11362-2591 • Tech Line: 1-800-824-3005 • Fax: 1-800-832-9538

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## Commercial Specification Grade 15 and 20 Ampere AC Quiet Switches Back and Side Wired, Toggle

### APPLICATION

In accordance with the NEC, these devices are suitable only for use on alternating-current circuits for controlling resistive and inductive loads (including electric discharge lamps); tungsten-filament lamp loads and motor loads in commercial, industrial and institutional installations where extended mechanical and electrical life are specified.

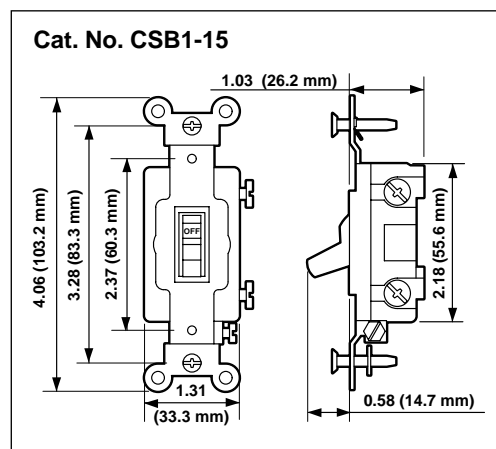
### BACK AND SIDE WIRED-GROUNDING SCREW TOGGLE

Description	15 A 120/277V AC 1/2 HP @ 120V 2 HP @240V	20 A 120/277V AC 1 HP @ 120V 2 HP @240V	ANSI Symbol
Single Pole	CSB1-15	CSB1-20	S
Double Pole	CSB2-15	CSB2-20	S2
3-Way	CSB3-15	CSB3-20	S3
4-Way	CSB4-15	CSB4-20	S4



### COLOR AVAILABILITY

Basic Cat. Nos. shown above are for Brown color. To specify other colors for 15 Amp switch toggle, add suffixes as follows: (-15I) Ivory, (-15W) White, (-15G) Gray, (-20A) Almond. To specify other colors for 20 Amp switch toggle, add suffixes as follows: (-20I) Ivory, (-20W) White, (-20G) Gray, and (-20A) Almond.



**COMMERCIAL**  
SPECIFICATION GRADE



TYPICAL SPECIFICATION

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FEATURES

- Full-rated current capacity on fluorescent, tungsten and resistive loads; motor load capacity is up to 80% of switch current rating
- Large silver-cadium oxide contacts minimize pitting welding, thereby maximizing current flow and extending life
- All molded parts are thick sectioned thermoplastic, for high impact resistance
- Equipped with green, hexagonal grounding screw
- Terminal screws are triple combination head, straight slot, Phillips, Robertson, #8-32 brass, backed out and staked for rapid wiring; accept up to #10 copper or copper clad wire
- Back wiring accepts up to #10 copper or copper clad wire
- Strip gauge on back-and-side wired switches to assure that proper length of conductor is exposed for correct gripping by clamp, without allowing any exposure of bare conductor outside of wire well
- Heavy-gauge zinc plated steel mounting strap for maximum strength; washer-type breakoff plaster ears facilitate flush alignment in wall box
- Plaster-cleaning captive mounting screws speed installation
- .86 inch shallow body for fast, easy installation
- Available with brown, ivory, white, gray and almond
- Covered by Leviton's Limited Ten-Year Warranty

PERFORMANCE SPECIFICATIONS

<b>Electrical</b>	
UL 20 Test	(For all 15 and 20A-120/277V AC ratings) 100 cycles of overload at 4.8 times rated current 10,000 cycles of resistance load at rated current 10,000 cycles of inductive load at rated current Temperature rise test at rated current (30°C above ambient max. temperature rise allowed)
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TESTING AND CODE COMPLIANCE

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