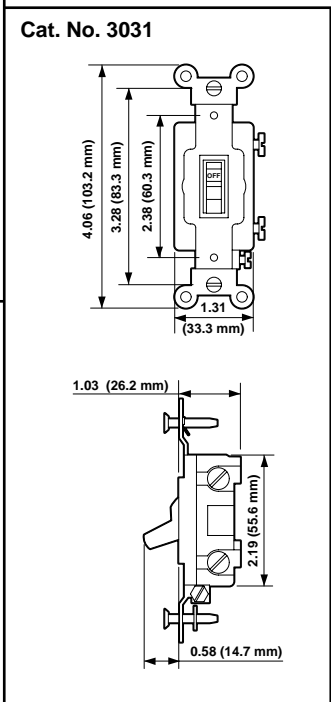
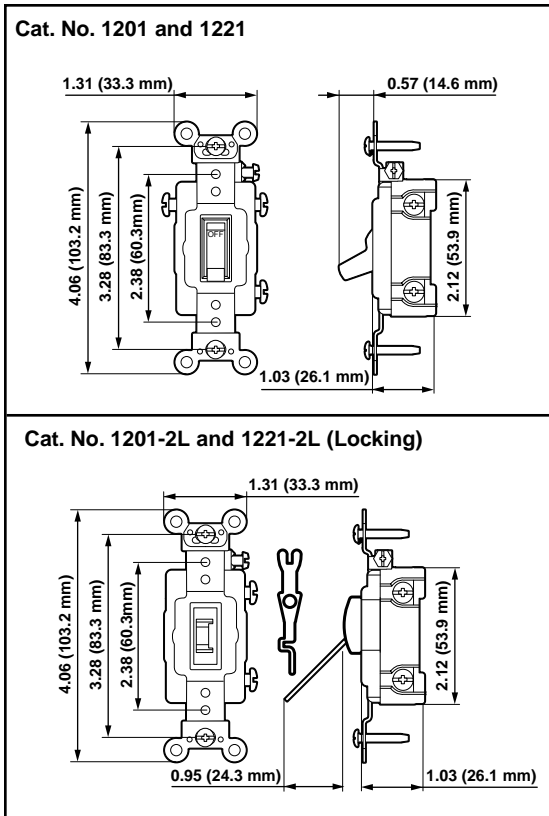
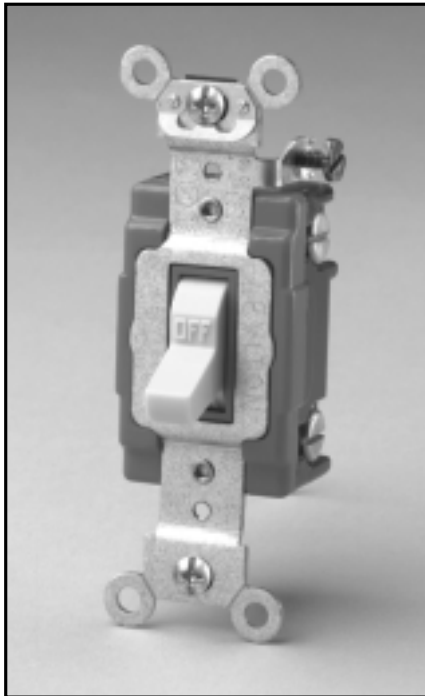


## Industrial Specification Grade 15A, 20A and 30 AMP Heavy Duty AC Quiet Switches Back and Side Wired

UL-VERIFIED TO COMPLY WITH FEDERAL SPECIFICATION W-S-896

1201 & 1221 Series



### 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 performance and where Federal Specifications W-S-896 and compliance with NEMA Standards WD-1 and UL 20 tests are specified.

### TYPICAL SPECIFICATION

Switches shall be 15A, 20A and 30A AC Leviton Industrial Specification Grade with Leviton's Limited Ten-Year Warranty and shall comply with current Federal Specification W-S-896 as verified by Underwriters' Laboratories Inc. with NEMA Heavy Duty Performance WD-1 and UL Tests UL 20, as scheduled on plan. All toggle switches shall be self-grounding; grounding screw in lieu of self-grounding strap shall be available. Circuit control contacts shall be silver-cadmium oxide; terminal screws and back-wiring wells shall accept up to size #10 AWG wire. Control shall be single-pole, double-pole, three-way or four-way; toggle, lighted toggle, pilot light, key lock, or key-actuated tamper resistant (US Patent #3, 497,646). Toggles shall be brown, ivory, white, black, red or gray; ratings shall be 15, 20 or 30 amperes, 120-277 volts alternating current-in accordance with schedule on plan. In lieu of devices manufactured by Leviton, those substituted may be equivalent devices that are similar in quality but without Limited Ten-Year Warranty.

## FEATURES AND BENEFITS

- Meet current Federal Specifications W-S-896, as verified by Underwriters' Laboratories, Inc.
- All toggle-actuated switches are self-grounding by means of Groundamatic™ strap that has a permanently riveted copper alloy lip; available with grounding screw in lieu of self-grounding strap.
- Covers color-coded for rating identification: blue for 15-amp, red for 20-amp, green for 30-amp.
- Choice of standard toggle, lighted toggle, pilot light, key lock, or patented tamper-resistant locking actuators; 120-277V AC, 15 or 20 amps, Single Pole, Double Pole, 3-Way and 4-Way.
- Full-rated current capacity on fluorescent, tungsten and resistive loads; motor load capacity is up to 80% of switch current rating.
- Large silver-cadmium oxide contacts minimize pitting and welding, thereby maximizing current flow and extending life.
- All locking switches are tamper-resistant, operable only by special key, and also meet UL requirement that they prevent insertion of a 1/32" steel wire into the key slot to reach live electrical parts.
- Terminal screws are triple combination, straight, Phillips #2, Robertson #1, No. 8-32 for 15A and 20A brass and No. 10-32 for 30A brass, backed out and staked for rapid wiring; accept up to #10 copper or copper clad wire.
- Deep wire wells for easy back wiring enclose conductors, help prevent bare wire exposure, accept up to #10 copper or copper clad wire.
- Strip gauge on back-and-side-wired switches, to help assure that proper length of conductor is exposed for correct gripping by clamp, without allowing any exposure of bare conductor outside of wire well.
- All molded parts provide outstanding strength and resistance to arcing and tracking.
- All toggle-actuated switches available in ivory, white, clear, red and green or lighted toggles.
- Heavy duty mounting strap for maximum strength; washer-type break-off plaster ears facilitate flush alignment in wall box.
- Plaster-cleaning captive mounting screws speed installation.
- Shallow body for easy, fast installation.
- Backed by Leviton's Limited Ten-Year Warranty.

## TESTING AND CODE COMPLIANCE

All switches listed below 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 WD-1, as required by GSA. Tests included (in part) are for Current Overload, Temperature Rise, Resistive Endurance, 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 Electrical Code and the OSHA code.

## NOTE ON LOCKING SWITCHES

Locking switches pass all the above tests. In addition, they comply with the UL requirement that "a 1/32-inch-diameter steel wire cannot be inserted into the key slot so as to contact live parts" (Standard UL 20, Paragraph 14A). These switches are tamper-resistant. Patented design (U.S. Pat. No. 3,497,646) prevents unauthorized operation; only the specially-designed key will actuate the device.

**HEAVY DUTY AC QUIET SWITCHES**

*BACK AND SIDE WIRED*

| CAT. NO.  | SYMBOL | DESCRIPTION          | CAT. NO.  | SYMBOL | DESCRIPTION           | CAT. NO.  | SYMBOL | DESCRIPTION         |
|---|--------|----------------------|---|--------|-----------------------|---|--------|---------------------|
| 15A 120-277V AC Only<br>1/2HP 120V, 2HP 240/277V AC |        |                      | 20A 120-277V AC Only<br>1HP 120V, 2HP 240/277V AC |        |                       | 30A 120-277V AC Only<br>2HP 120V, 2HP 240/277V AC |        |                     |
| 1201-2  | SG     | Single-pole, toggle  | 1221-2  | SG     | Single-pole, toggle   | 3031-2  | SG     | Single pole, toggle |
| 1201-2L   | SGK    | Single-pole, locking | 1221-2L   | SGK    | Single-pole, locking  | 3032-2  | SG2    | Double-pole, toggle |
| 1202-2  | SG2    | Double-pole, toggle  | 1221-2KL  | SG     | Silver Dome, key lock | 3033-2  | SG3    | 3-way, toggle       |
| 1202-2L   | SGK2   | Double-pole, locking | 1222-2  | SG2    | Double-pole, toggle   |   |        |                     |
| 1203-2  | SG3    | 3-Way, toggle        | 1222-2L   | SGK2   | Double-pole, locking  |   |        |                     |
| 1203-2L   | SGK3   | 3-Way, locking       | 1223-2  | SG3    | 3-Way, toggle         |   |        |                     |
| 1204-2  | SG4    | 4-Way, toggle        | 1223-2L   | SGK3   | 3-Way, locking        |   |        |                     |
| 1204-2L   | SGK4   | 4-Way, locking       | 1223-2KL  | SG3    | Silver Dome, key lock |   |        |                     |
|   |        |                      | 1224-2  | SG4    | 4-Way, toggle         |   |        |                     |
|   |        |                      | 1224-2L   | SGK4   | 4-Way, locking        |   |        |                     |

*SIDE WIRED*

| CAT. NO.  | SYMBOL | DESCRIPTION          | CAT. NO.  | SYMBOL | DESCRIPTION                     |
|---|--------|----------------------|---|--------|---------------------------------|
| 15A 120-277V AC Only<br>1/2HP 120V, 2HP 240/277V AC |        |                      | 20A 120-277V AC Only<br>1HP 120V, 2HP 240/277V AC |        |                                 |
| 1101-2  | SG     | Single-pole, toggle  | 1121-2  | SG     | Single-pole, toggle             |
| 1101-2L   | SGK    | Single-pole, locking | 1121-2L   | SGK    | Single-pole locking             |
| 1102-2  | SG2    | Double-pole, toggle  | 1122-2  | SG2    | Double-pole, toggle             |
| 1102-2L   | SGK2   | Double-pole, locking | 1122-2L   | SGK2   | Double-pole, locking            |
| 1103-2  | SG3    | 3-Way, toggle        | 1123-2  | SG3    | 3-Way, toggle                   |
| 1103-2L   | SGK3   | 3-Way, locking       | 1123-2L   | SGK3   | 3-Way, locking                  |
| 1104-2  | SG4    | 4-Way, toggle        | 1124-2  | SG4    | 4-Way, toggle                   |
| 1104-2L   | SGK4   | 4-Way, locking       | 1124-2L   | SGK4   | 4-Way, locking                  |
|   |        |                      | 55500   |        | Key to actuate Locking Switches |

**NOTE:**

Except for pilot-light and lighted-handle switches, all toggle-actuated switches listed above have Brown toggles. For other color, add dash-suffix to basic catalog number as follows: Ivory: -I, White:-W, Black:-E, Red:-R, Gray:-GY

# Heavy Duty AC Quiet Switches



| <i>LIGHTED HANDLE AND PILOT LIGHT SWITCHES</i> |  |  |                                     |  |   |
|--|--|--|-------------------------------------|--|---|
| CAT. NO.                                       | SYMBOL   | DESCRIPTION  | CAT. NO.                            | SYMBOL   | DESCRIPTION   |
| 15A-120V AC 1/2HP ONLY at 120V AC              |  |  | 20A-120V AC 1HP ONLY at 120V AC     |  |   |
| 1201-LHC<br>1201-LHI                           | SG Clear toggle<br>SG Ivory toggle                     | Lighted handle, single-pole<br>w/grounding screw and clip  | 1222-PLC<br>1222-PLG<br>1222-PLR    | SG2 Clear toggle<br>SG2 Green toggle<br>SG2 Red toggle | Pilot-light, double-pole<br>w/grounding screw and clip    |
| 15A-120V AC 1/2HP ONLY at 120V AC              |  |  | 20A-277V AC 2HP ONLY at 240/277V AC |  |   |
| 1201-PLC<br>1201-PLG<br>1201-PLR               | SG Clear toggle<br>SG Green toggle<br>SG Red toggle    | Pilot light, single-pole<br>w/grounding screw and clip     | 1222-7PC<br>1222-7PG<br>1222-7PR    | SG2 Clear toggle<br>SG2 Green toggle<br>SG2 Red toggle | Pilot-light, double-pole,<br>w/grounding screw and clip   |
| 15A-120V AC 1/2HP ONLY at 120V AC              |  |  | 20A-120V AC 1HP ONLY at 120V AC     |  |   |
| 1202-PLC<br>1202-PLG<br>1202-PLR               | SG2 Clear toggle<br>SG2 Green toggle<br>SG2 Red toggle | Pilot light, double-pole<br>w/grounding screw and clip     | 1223-LHC<br>1223-LHI                | SG3 Clear toggle<br>SG3 Ivory toggle                   | Lighted-handle, 3-way<br>w/grounding screw and clip       |
| 15A-120V AC 1/2HP ONLY at 120V AC              |  |  | 20A-277V AC 2HP ONLY at 240/277V AC |  |   |
| 1203-LHC<br>1203-LHI                           | SG3 Clear toggle<br>SG3 Ivory toggle                   | Lighted-handle, 3-way<br>w/grounding screw and clip        | 1223-7LC<br>1223-7LI                | SG3 Clear toggle<br>SG3 Ivory toggle                   | Lighted-handle, 3-way<br>w/grounding screw and clip       |
| 15A-120V AC 1/2HP ONLY at 120V AC              |  |  | 20A-120V AC 1 HP ONLY at 120V AC    |  |   |
| 1203-PLC<br>1203-PLG<br>1203-PLR               | SG3 Clear toggle<br>SG3 Green toggle<br>SG3 Red toggle | Pilot-light, 3-way<br>w/grounding screw and clip           | 1223-PLC<br>1223-PLG<br>1223-PLR    | SG3 Clear toggle<br>SG3 Green toggle<br>SG3 Red toggle | Pilot-light, 3-way<br>w/grounding screw and clip          |
| 20A-120V AC 1HP ONLY at 120V AC                |  |  | 20A-277V AC 2HP ONLY at 240/277V AC |  |   |
| 1221-LHC<br>1221-LHI                           | SG Clear toggle<br>SG Ivory toggle                     | Lighted -handle, single-pole<br>w/grounding screw and clip | 1223-7PC<br>1223-7PG<br>1223-7PR    | SG3 Clear toggle<br>SG3 Green toggle<br>SG3 Red toggle | Pilot light, 3-way<br>w/grounding screw and clip          |
| 20A-277V AC 2HP ONLY at 240/277V AC            |  |  | 30A-120V AC 2HP ONLY at 120V AC     |  |   |
| 1221-7LC<br>1221-7LI                           | SG Clear toggle<br>SG Ivory toggle                     | Lighted-handle, single-pole<br>w/grounding screw and clip  | 3031-LHC<br>3031-LHI                | SG Clear toggle<br>SG Ivory toggle                     | Lighted-handle, single-pole<br>w/grounding screw and clip |
| 20A-120V AC 1HP ONLY at 120V AC                |  |  | 30A-120V AC 2HP ONLY at 120V AC     |  |   |
| 1221-PLC<br>1221-PLG<br>1221-PLR               | SG Clear toggle<br>SG Green toggle<br>SG Red toggle    | Pilot-light, single-pole<br>w/grounding screw and clip     | 3031-PLC<br>3031-PLG<br>3031-PLR    | SG Clear toggle<br>SG Green toggle<br>SG Red toggle    | Pilot-light, single-pole<br>w/grounding screw and clip    |
| 20A-277V AC 2HP ONLY at 240/277V AC            |  |  | 30A-120V AC 2HP ONLY at 120V AC     |  |   |
| 1221-7PC<br>1221-7PG<br>1221-7PR               | SG Clear toggle<br>SG Green toggle<br>SG Red toggle    | Pilot-light, single-pole<br>w/grounding screw and clip     | 3032-PLC<br>3032-PLG<br>3032-PLR    | SG2 Clear toggle<br>SG2 Green toggle<br>SG2 Red toggle | Pilot-light, double-pole<br>w/grounding screw and clip    |

**NOTE:** ALL TOGGLE SWITCHES LISTED ABOVE ARE SELF-GROUNDING. To specify grounding screw in lieu of self-grounding strap, add "-2" to basic catalog number, before any letter designating color. Examples: 1203-2W is a 3-Way back-and-side-wired switch with grounding screw and white toggle. 1101-2 is a single-pole side-wired switch with grounding screw and brown toggle.

All switches listed above are backed by Leviton's  
Limited Ten-Year Warranty.

LIMITED TEN-YEAR WARRANTY  
PREMIUM INDUSTRIAL SPECIFICATION GRADE

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

