



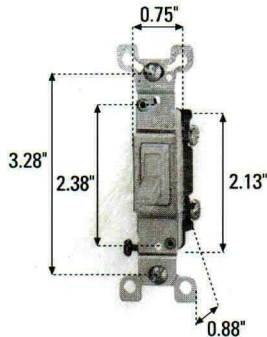
Standard Grade Switches

15A 120V AC

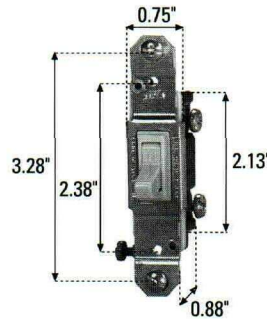
AC Quiet Switches – Framed Toggle

Features:

- Meets all UL 20 requirements.
- Longer, wider strap provides 40% more contact area to wall board. Virtually eliminates floating installations.
- Industrial design cam action mechanism insures quiet switch action.
- Patented built-in wire stripper for #14 and #12 wire to speed installation.
- Patented built-in wire looper for pre-looping.
- Double riveting of switch for superior assembly security.
- Three way switches feature additional push-in common termination for feed-through tapping.
- Push-in terminals accept #12 or #14 solid wire only.
- Side wire terminals accept up to #10 solid or stranded wire.
- Combination slot/Phillips head mounting and terminal screws ease installation with power screwdrivers.
- Made in USA.



1301-7



1301-73

Non-Grounding Switch – Side Wire and Push Wire

Catalog No.

Rating	A	V/AC	Description	Color	Single Pole	Three Way
15	120		Framed Toggle	Brown Ivory White	1301B 1301V 1301W	1303B 1303V 1303W

Grounding Switch – Side Wire and Push Wire

Catalog No.

Rating	A	V/AC	Description	Color	Single Pole	Three Way
15	120		Framed Toggle	Almond Brown Ivory White	1301-7A 1301-7B 1301-7V 1301-7W	1303-7A 1303-7B 1303-7V 1303-7W
15	120		Less Ears	Brown Ivory White	1301-73B 1301-73V 1301-73W	— — —

AC Quiet Switches – Lighted Toggle

Features:

- Lighted toggle glows in "off" position.
- Exclusive color matching toggle and dust apron.

Lighted Toggle Grounding Switch – Side Wire and Push Wire

Catalog No.

Rating	A	V/AC	Description	Color	Single Pole	Three Way
15	120		Lighted	Ivory White	1301-7LTV 1301-7LTW	1303-7LTV 1303-7LTW

Horsepower Rated for Motor Loads

	120V AC	Max. Amps
15A	1/2HP	12A



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Switches

Switches

Eagle switches are designed and engineered of the finest materials to assure long-term safety and reliability. These smooth-acting, easy-to-install and attractively finished devices are available in a wide range of ratings and styles. For all your residential, commercial, institutional, or industrial installations, you'll find the switch design in the grade you need on the following pages.

Each Eagle switch is tested at the point of manufacture and re-tested for electrical and mechanical performance as well as dielectric safety before it is packed.

Eagle switches meet or exceed the latest and most severe industry performance standards of the National Electrical Manufacturers Association, Underwriters' Laboratories, General Services Administration and Federal Specifications as shown in this catalog.

Industrial Specification Grade Switches

Specification Grade switches are the top of the Eagle line, featuring superior engineering and performance as well as outstanding appearance and ease of installation. Made to provide the safest, most dependable wiring device performance available, Industrial Specification Grade products meet or surpass the most stringent industry standards.

Commercial Specification Grade Switches

Eagle Commercial Specification Grade switches are designed to fill the need for high quality, moderately priced specification devices. They deliver safe, reliable performance in all types of commercial applications. Eagle Commercial Specification Grade switches meet Federal Specification WS-896.

Standard Grade Switches

Eagle's Standard Grade switches are the industry's finest high-volume toggle switches for use in residential and light commercial applications. Unique features such as longer, wider mounting straps, built-in wire strippers and wire looping aids make these switches fast and easy to install.

Dimming Devices and Motion Sensing Wall Switches

Eagle Electric's dimmers and motion sensing wall switches offer energy-savings, convenience and elegance in lighting control applications. These devices offer a selection of features ideal for both residential and commercial applications.

Specialty Switches

Eagle Electric's specialty switches offer a broad range of special applications for new or replacement needs. The line includes CO/ALR switches for use on aluminum wiring, snap-in appliance switches and canopy switches.

All of Eagle's switches are Underwriters' Laboratories (UL) Listed (except where noted). Many are also CSA certified or available as CSA certified. Please consult Eagle Customer Service for availability. Eagle's Decorator switches can be found in Section A.



B Intro

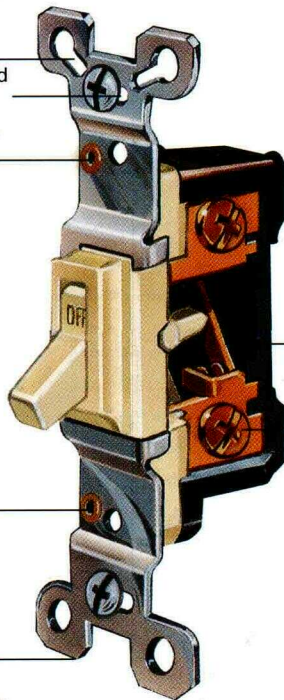
Switches

Features and Benefits

Standard Grade 1301 Series

Built-in wire stripper and looper speeds and simplifies wire preparation.

Dual assembly rivets for superior assembly security.



Cam action mechanism for quiet switch action.

Combination slot/Phillips head mounting and terminal screws.

Longer, wider strap provides 40% more contact area to wall board. Virtually eliminates floating installations.

Industrial Specification Grade 1201 Series

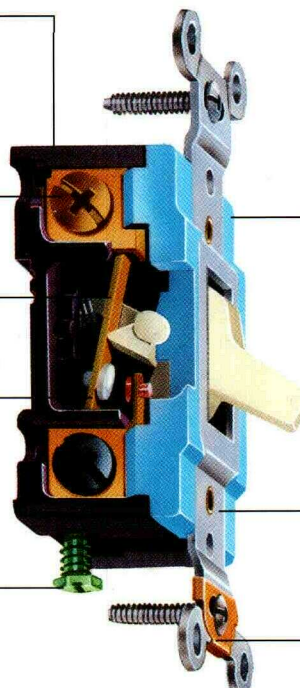
Thick wall thermoset top and bottom housings provide superior switch component protection and excellent arc resistance.

Combination slotted/Phillips head terminal and mounting screws.

Thick steel actuating spring ensures fast make, slow break.

Strong copper alloy terminal contact arms hold highly conductive, erosion-resistant, oversized silver alloy contacts.

Large green hex head grounding terminal screw, backed out and staked for easy identification and ready for wiring.



Faces color-coded for amperage identification.

Large thermoset toggle resists wear, won't cold flow.

Heavy gauge steel mounting strap, zinc-plated for corrosion resistance.

Automatic grounding eliminates need for bonding jumper in grounded metal enclosure.



B Intro

Switches

Switch Applications

The maximum permitted load for which a switch is suitable depends on the switch rating and the nature of the load. Proper selection of switches is determined by test standards and requirements of the National Electrical Code, Articles 380, 430, and 600.

General use AC switches are suitable for use at full rated current and voltage on loads of fluorescent and incandescent lighting and for other inductive or resistance loads. For motor loads, these switches are suitable for 80% of their rated current.

General use AC-DC switches are suitable for use at full rated current and voltage on resistance loads and at 50% of rated current on inductive (fluorescent) loads. They are not suitable for incandescent lighting or motor loads unless specifically marked for such applications.

Special use AC switches may be used at full rating on resistance or inductive loads, including fluorescent. For incandescent (tungsten) lighting loads, they must carry an "L" rating. For motor loads they require an "HP" (horsepower) rating.

Special use AC-DC switches are suitable for use at full rating on resistance loads only. They must be derated for inductive loads, including fluorescent. For incandescent lighting applications, they require a "T" (tungsten) rating and for motor loads they must have an "HP" (horsepower) rating.

To ensure safety and reliability, Eagle switches are tested, rated, and marked according to various standards. The following charts indicate both the required performance tests specified by industry standards for switches with standard ratings, and the loads they may control.

B Intro

Switches

Switch Applications

Test Requirements – Switches * General Use – AC Only

Rating	Standard*	Overload				Endurance		Resistance Cycles 1.0 pf.†	Inductive Cycles .75 to .8 pf.†	Tungsten Cycles 1.0 pf.†
		Amps	Volts	Power Factor	Cycles	Amps	Volts			
15A, 120V AC	UL 20 & NEMA G.D.	72	120 AC	.4 to .5	100	15	120 AC	10,000	10,000	10,000
	WS 896 & NEMA H.D.	72	120 AC	.4 to .5	100	15	120 AC	10,000	50,000	50,000
15A, 120-277V AC	UL 20 & NEMA G.D.	72	277 AC	.4 to .5	100	15	120 AC	–	–	10,000
							277 AC	10,000	10,000	–
	WS 896 & NEMA H.D.	72	277 AC	.4 to .5	100	15	120 AC	–	–	50,000
							277 AC	10,000	50,000	–
20A, 120-277V AC	UL 20 & NEMA G.D.	96	277 AC	.4 to .5	100	20	120 AC	–	–	10,000
							277 AC	10,000	10,000	–
	WS 896 & NEMA H.D.	96	277 AC	.4 to .5	100	20	120 AC	–	–	50,000
							277 AC	10,000	50,000	–
30A, 120-277V AC	UL 20 & NEMA G.D.	144	277 AC	.4 to .5	100	30	120 AC	–	–	10,000
							277 AC	10,000	10,000	–
	WS 896 & NEMA H.D.	144	277 AC	.4 to .5	100	30	120 AC	–	–	50,000
							277 AC	10,000	50,000	–

* NEMA G.D. is NEMA Standard WD-1 General Duty. NEMA H.D. is NEMA Standard WD-1 Heavy Duty. WS896 is current Federal Specification.

General Use Switches are subject also to a 1 minute 1500V dielectric test and a temperature rise test of a maximum 30°C rise at highest rated current.

† Power Factor

Test Requirements – Switches – General Use – AC-DC

Rating	Standard	Overload Resistance			Endurance Resistance			Tungsten		
		Amps	Volts	Cycles	Amps	Volts	Cycles	Amps	Volts	Cycles
6A, 125V 3A, 250V	UL 20	4.5	250 DC	50	3.0	250 DC	6000	–	–	–
10A, 125V 5A, 250V	UL 20	7.5	250 DC	50	5.0	250 DC	6000	–	–	–
6A, 125V“T” 3A, 250V	UL 20	4.5	250 DC	50	3.0	250 DC	6000	6.0	125 DC	6000
10A, 125V“T” 5A, 250V	UL 20	7.5	250 DC	50	5.0	250 DC	6000	10.0	125 DC	6000



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Switches