

## ACCESSORIES

The best combination of space-saving size and economy. Universal for Automotive, Light Truck, Off-Road and Recreational vehicles. Furnished with mounting hardware.



**33-300**  
2 Position Toggle Switch, On-Off  
6 Volt-35 Amps 12 Volt-20 Amps  
Brass construction. Screw terminals.  
Toggle and Face Nut CHROME  
PLATED, Mounting Stem 3/8"  
Long, 7/16" diameter



**25-370**  
Toggle Boot with 15/32-32 thread. Provides protection against salt spray and is resistant to weather and ozone. Can be used on toggle switches with 15/32" diameter mounting stem.



**34-500**  
2 Position Toggle Switch, 20 Amps @ 12 VDC, S.P.S.T. Knurled Face Nut Indicator Plate, Back Nut and Terminal Screws assembled.



**34-513**  
2 Position Toggle Switch. 10 Amps @ 12V



**25-371**  
1/2 Toggle Boot  
Same as Toggle Boot #25-370 except allows Toggle Handle (of any length) to protrude. Accommodates all toggle lever diameters from .155" - .240" including all Pollak toggles except nylon handle series.



**34-504**  
Face Plate On-Off

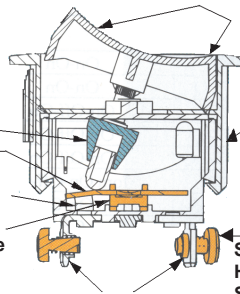
See Page 23 For Wiring Diagrams, Terms and Tips.

## UNIVERSAL DESIGN ROCKER SWITCHES - 20 AMPS AT 12 VDC

Universal Design for Automotive, Truck, Bus, Marine & Recreational Vehicles. Snap-in mounting fits .830 x 1.450 panel cutout in .093, .125, .187 thick panels. Brass screw or .250 blade terminals. Nylon bezel actuator and housing.

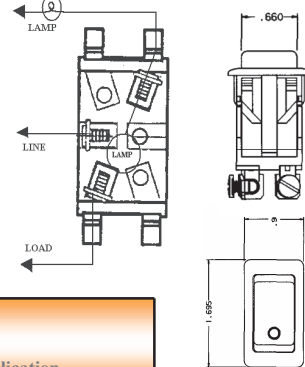
**Internal and External Features**

Nylon Actuator  
Copper Contact Lever  
Silver contacts  
Copper Lever Cage  
Solid Brass Terminals  
Rugged Black Nylon Rocker. Bezel and Housing  
Solid Brass Slot Head #6-32 Screws



### WIRING DIAGRAM

**34-305**



Part No.	Circuitry	No. of Terminals and Type	Actuator	Lens	Notes	Application
<b>S.P.S.T. ( SINGLE POLE – SINGLE THROW )</b>						
34-301	On-Off	2 Screw	Black			Signaling Switch, Day
34-308	On-Off	2 Blade	Black			Signaling Switch, Day
<b>S.P.S.T. ( SINGLE POLE – SINGLE THROW ) WITH PILOT LIGHT</b>						
34-305	On-Off	3 Screw	Black	Red	Red Pilot Light	
34-360	On-Off	3 Blade	Black	Red	Red Pilot Light	
34-306	On-Off	3 Screw	Black	Green	Green Pilot Light	
34-307	On-Off	3 Screw	Black	Amber	Amber Pilot Light	
34-310	On-Off	4 Blade	Black	Red	Red Pilot Light	
<b>D.P.D.T. ( DOUBLE POLE – DOUBLE THROW )</b>						
34-311	Off-On-On	4 Blade	Black			Two Speed Windshield Wiper
34-359	On-On	6 Blade	Black		Reversing	Selector Valves, Fans, Booms
<b>D.P.D.T. ( DOUBLE POLE – DOUBLE THROW ) WITH DUAL CIRCUITRY</b>						
34-312	High-Low-Off	6 Blade	Black		Dual Actuators High-Low-Off	

**34-359**

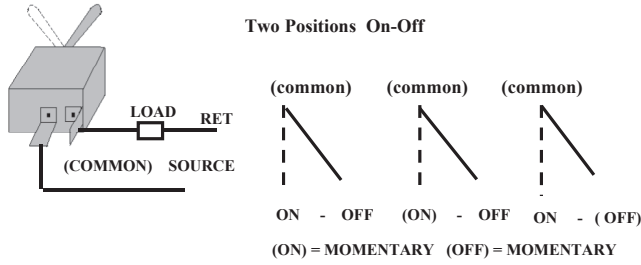


**34-305**

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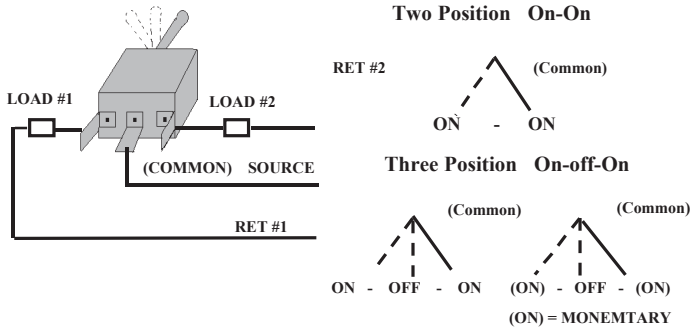
### S.P.S.T. (Single Pole/Single Throw)

A two terminal switch which opens or closes one circuit.



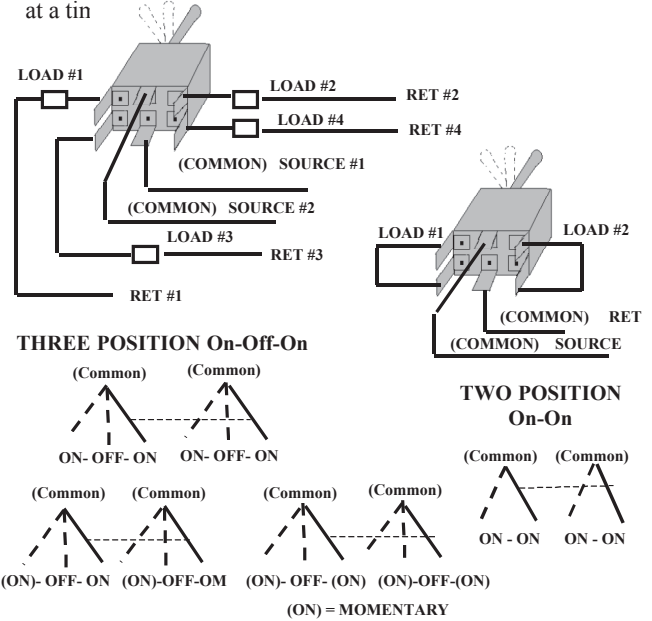
### S.P.D.T. (Single Pole/Double Throw)

A three terminal switch that controls two single-wire circuits. Permits only one circuit to be energized at a time



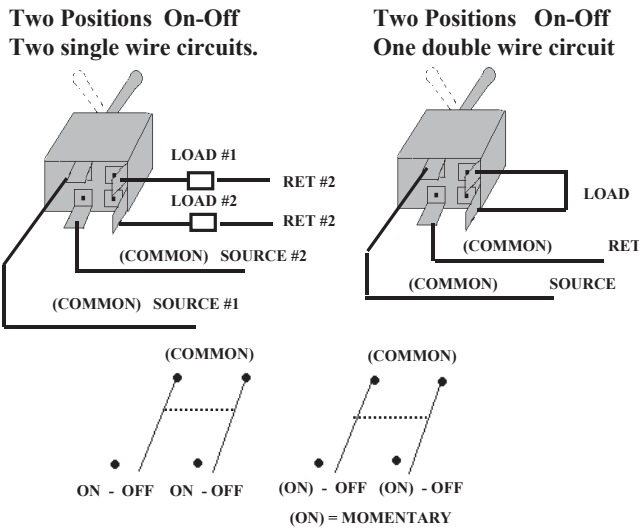
### D.P.D.T. (Double Pole/Double Throw)

A six terminal switch that controls two double wire circuits permitting only one circuit to be energized at a time, or four single wire circuits permitting only two circuits to be energized at a tin



### D.P.S.T. (Double Pole/Single Throw)

A four terminal switch that controls one double wire circuit or two single wire circuits.



### ELECTRICAL TERMS

- AMPERE** Electrical unit indicating rate of flow of electricity through a circuit.
- CIRCUIT** Path taken by electrical current flowing through conductor from one terminal source of supply to another.
- CURRENT** The movement of electrons through a conductor measured in amperes.
- DOUBLE POLE** A switch that operates simultaneously in two separate electric circuits.
- DOUBLE THROW** A switch that alternately completes a circuit at either end of its extreme positions.
- DOUBLE POLE/SINGLE THROW** D.P.S.T - A switch that has four terminals and is used to connect or disconnect two pairs of terminals simultaneously.
- DOUBLE POLE DOUBLE/THROW D.P.D.T** A switch that has six terminals and is used to connect one pair of terminals to either of the other two pairs.
- INDUCTIVE LOAD** Initial amps needed to engage a circuit and/or a load which allows a momentary flow of current when a circuit is open. {Devices that create inductive loads are typically motor coils and solenoids.}
- LAMP LOAD** Light bulb current expressed in amps at a rated voltage.
- MOMENTARY** Momentary action is obtained by holding switch in position with pressure. Upon release the switch returns to the previous position.
- REVERSING** Reversing action is obtained by reversing the polarity of a switch with jumper wires or blades to change the rotation of a motor. Typical applications are winches, plows, radio antennas and fuel selector valves.
- SINGLE POLE** A switch that opens, closes, or changes connection in a single conductor of an electrical circuit to a common contact.
- SINGLE THROW** A switch that opens, closes or completes a circuit at only one of the extreme positions of its actuator.
- SINGLE POLE/SINGLE THROW** S.P.S.T. - A two terminal switch which opens or closes one circuit.
- SINGLE POLE/DOUBLE THROW** S.P.D.T. - A three terminal switch for connecting one terminal to either of two other terminals.
- VOLT** The unit that measures the potential difference in electrical force or "pressure" between two points on a circuit.
- WATT** The unit of power that indicates the rate at which a device converts electric current to another form of energy, either heat or motion.

#### SERVICE TIP

- Replacement switch must have the same or higher rating as original switch.
- Unplug circuit or turn off power at electrical panel.
- Remove wires from old switch one-at-a-time and attach to new switch in same manner, or follow wiring diagram.
- For Screw Terminals - Twist stranded wire together. Loop wire clockwise around screw . Tighten securely.
- For Blade Terminals - Use Female push-on terminals. Crimp tightly on stranded wire. Make sure you have a snug fit.
- Turn on power