

rotary & headlamp switches

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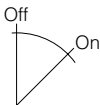
rotary & headlamp switches

D1 UNIVERSAL ROTARY SWITCHES

In a full range of styles and circuitries for lighting, ignition and similar applications. Plated steel cases.

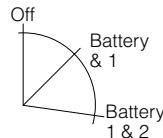
9500 10A 2-Position

10A at 12V DC. Mounting stem 1/2"-20 thread. Two screw terminals.



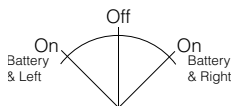
9802 20A 3-Position

20A at 12V DC. Lever actuator and indexing pin. Mounting stem 5/8"-32 thread. Silver contacts. Three screw terminals.



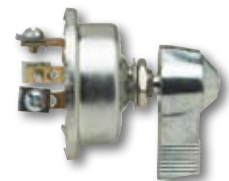
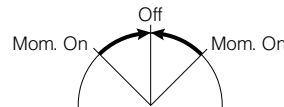
24054 10A 3-Position

10A at 12V DC. Lever actuator. Mounting stem 1/2"-20 thread. Three screw terminals.



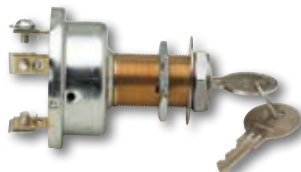
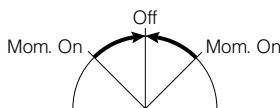
75701 20A Momentary 3-Position

20A at 12V DC. Lever actuator, spring return to Off from both On positions. Silver contacts. Mounting stem 7/16"-28 thread. Three screw terminals.



75705-01 10A Momentary 3-Position

10A at 12V DC. Mom On1 – Off – Mom On2, spring return to Off from both positions. Key actuator with coded tumbler lock. Mounting stem 13/16"-24 thread. Internal O-ring seal. Three screw terminals.



★ Rapid ship item. BP Available in retail clamshell pack. ★ Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

72150 Series

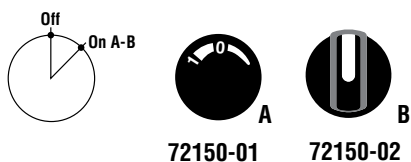
Compact plastic switches, with durable nylon 6/6 body, knob and stem, aluminum hardware, and plated brass terminals. Knobs snap on, and have a very positive detent action. Sealed to IP-53 for protection against dust and contaminants. Terminals accept connectors 99022 or 99021 with standard .250 quick-connect or Faston terminals. 10A or 20A at 12V DC.

Rotation diagrams: an arrow indicates a momentary switch. "On A-B" for example, indicates that terminals A & B are connected in the indicated position.

Part numbers refer to the switch complete with knob.

10A

SPST On-Off

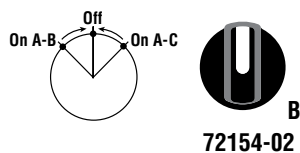


72150-01

72150-02



SPDT Momentary



72154-02



Connector For 72150 Series Switches

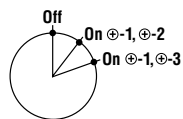


99022

20A

Switches are made before break.

SP3T

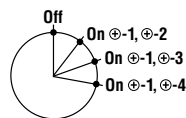


72171-02

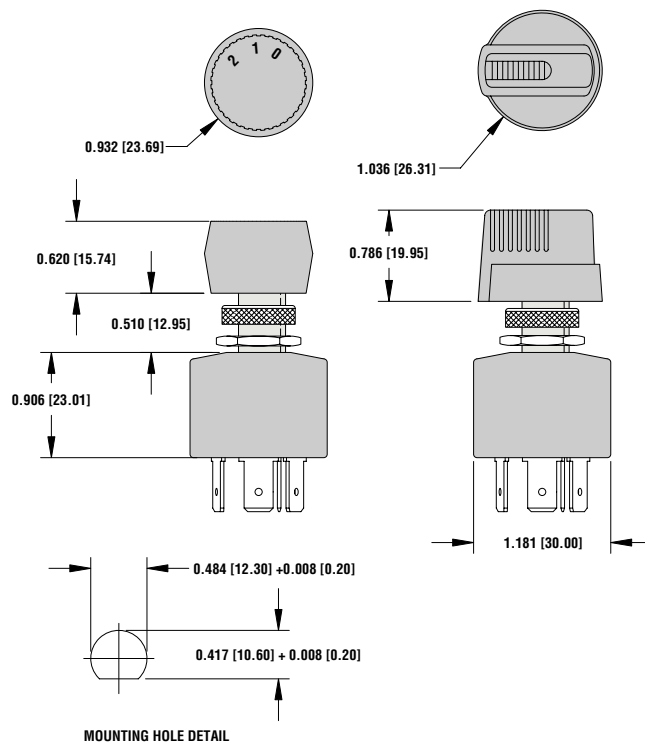
72171-04



SP4T



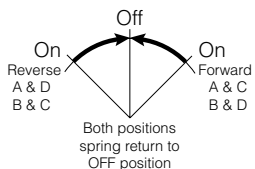
72170-04



MOUNTING HOLE DETAIL

★ Rapid ship item. BP Available in retail clamshell pack. ★ Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

D2 ROTARY REVERSING SWITCHES



For forward-reverse operation of a motor, to give a motion such as Up/Down, Left/Right, In/Out, Rotate/Counter-rotate. Suitable for control of tailgates, winches, windlasses, snowplows and other applications. DPDT. Spring return to Off from both On positions. Four screw terminals. Plated steel case.

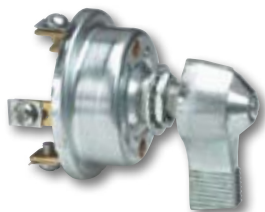
90005-01 15A, Lever ★

15A at 12V DC. Lever actuator. Silver contacts. Mounting stem 1/2"-20 thread, 1 1/4" (31.8mm) long.



90005-04* 15A, Lever

15A at 12V DC. Lever actuator. Silver contacts. Mounting stem 1/2"-20 thread, 13/32" (10.4mm) long.



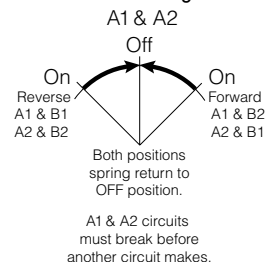
90005-03 15A, Lock ★

15A at 12V DC. Key actuator with coded tumbler lock. Spring return to Off from both On positions. O-ring seal in stem. Mounting stem 13/16"-24 thread.



75712-04 50A, Lever BP ★

Heavy duty 50A switch allows forward and reverse motion of a motor without the need for a relay, especially for operation of tarps on trucks. Heavy duty component parts: 3/32" thick terminals, silver-laminated contacts to resist arcing over a long working life. 2.09" diameter (53.1mm) steel case. 10-32 x .375" (9.5mm) terminal screws with lockwashers. Mounting stem 1/2" -20 thread.



Forward & Reverse Switches



Cole Hersee manufactures several rotary switches that can be used in Forward-Reverse applications. These switches are DPDT Momentary On - Off - Momentary On, such as the 90005 series switches (15A at 12V DC). For demanding applications, there's the 75712-04, rated at 50A at 12V DC.

But we make other types of controls that can switch a motor to forward or reverse mode:

Forward & Reverse Module

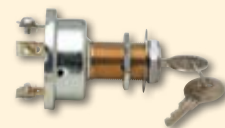
Sealed module handles high power motor reversing and features dynamic braking. See page 99.



55046
Toggle Switch
25A at 12V DC



58027-18
Rocker Switch
25A at 12V DC



90005-03
Keyed Switch
15A at 12V DC

Cole Hersee switches: always lots of choices.

★ Rapid ship item. BP Available in retail clamshell pack. * Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

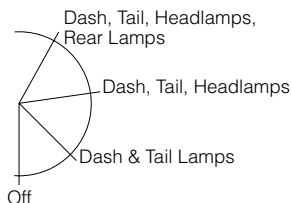
72079-01 With Knob

With black knob imprinted with SAE headlamp symbol. Silver contacts. Five screw terminals. Plated steel case. Mounting stem 5/8"-32 thread. With O-ring seal in the mounting stem. 20A per circuit at 12V DC.



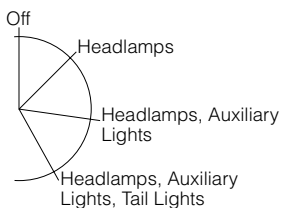
72058-01* With Lever

Lever actuator and indexing pin. Four screw terminals. Plated steel case. Mounting stem 1/2"-20 thread. With O-ring seal in the mounting stem. Silver contacts. 30A total at 12V DC.



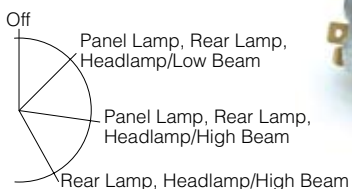
72023-01 With Short Lever

With short diecast lever. Four screw terminals. Plated steel case. Mounting stem 5/8"-32 thread. With O-ring seal in the mounting stem. 20A per circuit at 12V DC.



72051-03 With Black Lever

With black nickel-plated lever actuator. Five blade terminals, accepts Delphi (Packard) connector 2962912. Plated steel case. Mounting stem 5/8"-32 thread. With O-ring seal in the mounting stem. 20A per circuit at 12V DC.



Fog Light Rocker Switch



As an alternate, fog light rocker switch 58027-17 matches other rocker switches that might be installed on the dashboard. For other switches of this type see Section A1.

No More Dead Batteries!



SureStart™ Low Voltage Disconnect switches automatically disconnect ancillary loads before battery power is insufficient to start the vehicle. They automatically reconnect when voltage has been restored.

Prolongs battery life by preventing irreversible damage due to excessive discharge. See page 85.

★ Rapid ship item. BP Available in retail clamshell pack. ✱ Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

Air Conditioning Switch

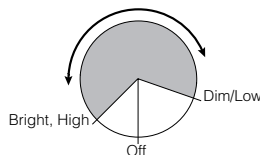
68159-05

Off - Low - Medium - High. Clutch circuit is energized in L, M and H. No electrical break between positions. Silver contacts. 7/16" -28 thread mounting stem, .34" (8.6mm) long. Five blade terminals. Plated steel case, 1.39" (35.3mm) diameter, .50" (12.2mm) long. Black plastic knob with SAE arrow symbol and with metal insert and set screw.



Air Conditioning Switches

For 12V DC systems. Ceramic insulator with embedded coil for effective heat dissipation. 7/16" -28 thread mounting stem, 15/32" (11.9mm) long. Plated steel case, 1.32" (33.5mm) diameter, .88" (22.4mm) long. Black plastic knob with metal insert and set screw.



7493 with round/bar knob

7493 8 Ohm

With round/bar black knob. Two screw terminals.

7493-01 3 Ohm

With round/bar black knob. Two screw terminals.

7496 8 Ohm

With round/bar black knob. Two blade terminals.

7493-07 8 Ohm, Imprinted

With round/bar black knob imprinted "Panel Lamps". Two screw terminals.

7496-04 8 Ohm, Imprinted

With round/bar black knob imprinted "Panel Lamps". Two blade terminals.

7496-11 18 Ohm, Imprinted

With round black knob imprinted with SAE variable symbol. Two blade terminals



Heater-Defroster Switches

Four positions: Off-High-Medium-Low. 12V DC 3 Ohms or 24V DC 6 Ohms. Two screw terminals. Coil embedded in ceramic insulator for effective heat dissipation. Connections are welded to the resistance coil. Plastic round/bar knob with metal insert and set screw. Mount through a 5/8" hole (15.9mm) or with an optional bracket.

68362 12V, Black Knob



68363 24V, Black Knob

68366 24V, Tan Knob

With faceplate



Knobs

See page 157.



★ Rapid ship item. BP Available in retail clamshell pack. * Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

3-Position

Three knob pull positions: In – Mid – Out.

*In = Headlamps Off; Mid = Parking Lights and Tail Lights On;
Out = Headlights and Tail Lights On*

**7124 With Black Knob 'Lights'**

Four screw terminals, plated steel case, mounting stem with 7/16"-28 thread. 15A per circuit at 12V DC.

**7124-06 With SAE Headlamp Symbol**

Same as 7124, but with black knob imprinted with SAE headlamp symbol.

**72100 With Black Knob 'Lights' ★**

O-ring seal in mounting stem, gasket seal at terminal insulator. Four screw terminals, diecast case, silver contacts, mounting stem with 7/16"-28 thread. 20A per circuit at 12V DC.

**7152 With Ivory Knob 'Lights'**

Four screw terminals, plated steel case, silver contacts, mounting stem with 3/8"-24 thread. 15A per circuit at 12V DC.

**7157 With Breaker**

With 30A at 12V circuit breaker, ivory knob imprinted 'Lights'. Three screw terminals, plated steel case, silver contacts, mounting stem with 7/16"-28 thread.

**72101 With Breaker**

With 30A at 12V circuit breaker, black knob imprinted 'Lights'. O-ring seal in mounting stem and gasket seal at terminal insulator. Three screw terminals, diecast case, silver contacts, mounting stem with 7/16"-28 thread.

**72102 With Breaker**

Same as 72101, but without sealing.

7127 With Fuse

With 20A at 12V glass fuse, black knob imprinted 'Lights'. Four screw terminals, plated steel case, mounting stem with 7/16"-28 thread.



D5 PUSH-PULL HEADLAMP SWITCHES

3-Position with Dimmer

Headlamp/Parking Lights/Tail Lights function the same as in the 3-position switches, but with the addition of a rotary dimmer function for panel/dome lights.

71092-02 4.5 Ohm, With Internal 15A Breaker ★

In = All lights Off, except dome light on rotary dimmer.
 Mid = Parking lights & rear lights On; panel lights & dome light on rotary dimmer. Out = Headlights & rear lights On; panel lights & dome light on rotary dimmer. 4.5 Ohm Dimmer, 15A at 12V internal Circuit Breaker. With black knob imprinted with SAE headlamp symbol. Eight blade terminals accept Delphi (Packard) connector 2977645 or 2984169. Plated steel case. Mounting stem 7/16"-28 thread. Terminal connections: 1 to battery +; 2 to panel lights; 3 to rear lights; 4 to rear lights; 5 to battery +; 6 to headlights; 7 to parking lights; A to dome light. Connect frame ground terminal to ground.



71092

Same as 71092-02, but without knob and shaft.

7178 3.75 Ohm, With 30A Breaker

Rotation of knob dims panel lights in Mid and Out knob positions. 3.75 Ohm Dimmer, 30A at 12V Circuit Breaker. With black knob imprinted 'Lights'. Four screw terminals. Plated steel case. Mounting stem 3/8"-24 thread.



71016 11 Ohm, With 20A Breaker

Rotation of knob dims panel lights in Mid and Out knob positions. 11 Ohm Dimmer, 20A at 12V Circuit Breaker. With tan knob imprinted 'Lights'. Four screw terminals. Plated steel case. Mounting stem 3/8"-24 thread.



71016-01 11 Ohm, With 30A Breaker

Same as 71016, but with 30A at 12V Circuit Breaker.

71042 7 Ohm

Rotation of knob dims panel lights in Mid and Out knob positions. 7.0 Ohm Dimmer. With ivory knob imprinted 'Lights'. Three single and three double blade terminals. Plated steel case. Mounting stem 3/8"-24 thread.



4-Position Switch

Four knob pull positions: In - Mid1 - Mid2 - Out.

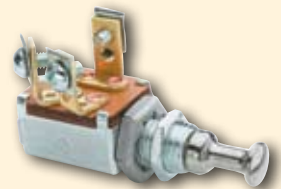
7112 Headlamp Switch

Five screw terminals. Plated steel case. Mounting stem 3/8"-24 thread. With tan knob imprinted 'Lights'. 10A at 12V DC.



Universal

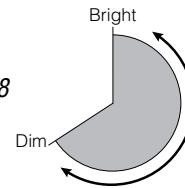
We have a wide selection of general purpose Push-Pull Switches: SPST, SPDT, DPST in steel case, brass case, and PVC-coated. See Section F.



★ Rapid ship item. BP Available in retail clamshell pack. * Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

D6 ELECTRONIC DIMMER SWITCHES

For variable intensity control of panel and interior vehicle lighting only. For 12V DC negative ground systems, 14.7V maximum. Black plastic knob with metal insert and set screw. Knob imprinted in white with the SAE variable symbol. Diecast case, 1 9/16" (39.7mm) diameter, .883" (22.4mm) long. 7/16" -28 thread mounting stem, .45" (22.4mm) long. O-ring seal.

**74600-02 4 Amps, Delphi (Packard) Connector** BP

Three wires (load, battery, ground) with Delphi (Packard) connector 2984378 on 3" (76.2mm) leads. Duty cycle: 0 - 100%.

**74600-09 4 Amps, Leads**

Same as 74600-02, except with two wires, no connector. Two wires (load, battery) 1 25/32" (45.3mm) long. Duty cycle: 1 - 99%.

74603 6 Amps, AMP Connectors

Two wires (load, battery) 2" (50.8mm) long, with two AMP connectors (load 480054-3, battery 480053-3). Duty cycle: 1 - 99%.

**74601-01 7 Amps** BP ★

Two wires (load and battery) 1 25/32" (45.2mm) long. Duty cycle: 1 - 99%.



Advantages

Electronic dimmers have several advantages:

- Intensity settings are not load-sensitive.
- Cool operation due to low heat generation.
- Resistant to contamination: sealed case with O-ring seal in shaft.
- Electronic circuit is protected from damage or malfunction due to: Power supply noise; Reverse polarity; Field decay; RF radiation; Load dump (per SAE J1113a).

Quick-Tap Wire Splicer

No need to strip the wire!**To make a Tap Splice**

With the splicer open:
Press the existing circuit wire (red wire in the picture) into the outer channel.
Press the tap wire (yellow) into the inner channel.
Snap the splicer cover into place.
Squeeze with pliers.

**To make an Inline Splice**

With the splicer open:
Press one wire (yellow) into the outer channel.
Press the other wire (red) into the inner channel.
Snap the splicer cover into place.
Squeeze with pliers.

**To make a Pigtail Splice**

With the splicer open:
Press one wire (red) into the outer channel.
Press the other wire (yellow) into the inner channel.
Snap the splicer cover into place.
Squeeze with pliers.



See page 130.

Headlamp Dimmer Switches

SPDT On - On. Depress-release for low beam, depress-release for high beam. Corrosion-resistant diecast metal housings, moisture-repellent insulators.

Through-floorboard mounting

7700 With Three Wire Terminals

PVC-coated case and leads gives added protection. Three 16AWG leads 5.75" (146.1mm) long. 27/32" (21.4mm) diameter stem. Three 1/4" -20 tapped mounting holes, 1 3/4" and 1 3/4" on centers (19.1 and 44.5mm).



7786 With Three Screw Terminals ★

1 1/16" (27.0mm) diameter stem. Three 1/4" -20 tapped mounting holes, 3/4" and 1 3/4" (19.0 and 44.4mm) on centers.



Replaces: Delco 1997014, D-805.

7787 With Three Screw Terminals

7/8" (22.2mm) diameter stem. Two 1/4" -20 tapped mounting holes, 1 3/4" (44.4mm) on centers.



Replaces: AMC 803870, 811681, Chrysler 1689512, Delco A-800, Ford A8AZ-13A024A, 7RA, 8A-13532, Motorcraft SW-256, 260.

7769 With Three Screw Terminals ★

27/32" (21.4mm) diameter stem. Three 1/4" -20 tapped mounting holes, 3/4" and 1 3/4" (19.0 and 44.4mm) on centers.



Replaces: Delco 465A-Z, 471P-Z, 1997002, 1997008, 1997009, 199870014, D-805, U-802, Ford 81A, 11A13532, Mack 1MR-234.

7784 With Three Screw Terminals, And Weather-Resistant Seal ★

7/8" (22.2mm) diameter stem. Three 1/4" -20 tapped mounting holes, 3/4" and 1 3/4" (19.0 and 44.4mm) on centers. Weather-resistant seal in the case.



7789-02 With Three Blade Terminals

55/64" (21.8mm) diameter stem. Two 1/4" -20 tapped mounting holes, 1 3/4" (44.4mm) on centers. Drain hole in the case.



On-floorboard mounting

7702 ★

Two 7/32" (5.6mm) diameter mounting holes, 1 5/8" (41.3mm) on centers. Three blade terminals.



Replaces: Delco U803, Ford C0TF, C0TZ-13A024A, Motorcraft SW-263.

7776

Two 7/32" (5.6mm) diameter mounting holes, 1 5/8" (41.3mm) on centers. Three blade terminals.



Replaces: AMC 3156124, 3160926, Chrysler 1841895, 1881938, 2097628, 2291202, 3488882, CH-247, Delco U-801, Ford B9A-13532-A.

7762 ★

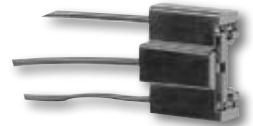
Two 9/32" (7.1mm) diameter mounting holes, 1 3/4" (44.4mm) on centers. Three blade terminals.



Replaces: AMC 5457282, Delco 1997028, 1997031, 1997035, 1997037, 1997040, 1997043, D-803, D-804, D-808, D-809, D-810, GMC 5834446, 578005, 1539288.

30156 Connector

Fits Cole Hersee switches 7702 and 7776.



Ford trucks 60-87, Dodge trucks 59-86.

30155 Connector

Fits Cole Hersee switch 7762.



Trucks: Autocar 68-80, Chevrolet 61-86, GMC 69-86, International 61-80, Freightliner 63-67, 72-80, Kenworth 65-67, 72-74, 77-80.

★ Rapid ship item. BP Available in retail clamshell pack. * Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

Turn Switches

Through-floorboard mounting. Depress to On, spring return to Off. Two switches are needed for left and right turn signals.

7785 Sealed, With Wire Leads

7/8" (22.2mm) diameter stem.
Three 1/4" -20 tapped mounting holes, 3/4" and 1 3/4" (19.0 and 44.4mm) on centers.
Plastic-coated, providing protection against moisture, dust and roadsplash.



7792-01 With Screw Terminals

7/8" diameter stem. Three 1/4" -20 tapped mounting holes, 3/4" and 1 3/4" (19.0 and 44.4mm) on centers.



7792 Sealed, With Screw Terminals

7/8" diameter stem.
Three 1/4" -20 tapped mounting holes, 3/4" and 1 3/4" (19.0 and 44.4mm) on centers.
Plastic-coated, providing protection against moisture, dust and roadsplash.



Starter Switches

Off-On, normally Off. Depress to On, spring return to Off.

9060 Through-Floorboard Mounting ★

Two stud terminals, 5/16" -24 thread with hexnuts and lockwashers.

Plunger is 1.83" (46.5mm) long.
Two 9/32" (7.2mm) diameter mounting holes, 1 3/4" (44.5mm) on centers.

Replaces: Autolite SW-40001 (15-47), 15-50, 401A, 4002, 4005, 4010, 4015 (15-51), Delco D900 (405C).



9183 Through-Floorboard Mounting, Short Stem ★

Two stud terminals, 5/16" -24 thread with hexnuts and lockwashers.

Plunger is 1" (25.4mm) long.
Two 9/32" (7.2mm) diameter mounting holes, 1 3/4" (44.5mm) on centers.

Replaces: Autolite SW-4012 (15-49), Delco 1996478.



91001 On-Floorboard Mounting

One stud terminal, 3/8" -16 thread for attaching external ground wire.
Plunger is 21/32" (16.7mm) long. Two .218" x .265" (5.5 x 6.7mm) mounting holes, 1.40" (35.6mm) on centers.

Replaces: Autolite 15-201, Delco 1930496 (D906).



When A Floor Switch Is Impracticable



Panel-mount Dimmer and Headlamp Switch 7112 is frequently spec'd in delivery vans requiring stand-up operation, and in vehicles for the physically-impaired. See Section D5.