



No. 48080



No. 48070  
No. 48090



No. 48120



No. 48160  
No. 48161

- Isolates each battery to prevent the battery with the higher charge from draining into the battery with the lower charge.
- Allows two batteries to be charged simultaneously from a single power source.
- Contains solid-state circuitry, embedded in the insulation, for protection against moisture and vibration.
- Anodized aluminum heat-sink housing for efficient heat dissipation.
- Installation and wiring instructions included.
- Use in negative ground electrical systems only, 12 to 36V(dc).

Cole Hersee Part No.	D.C. Rating	Maximum Alternator Rating	Rating Per Leg (2 Legs)	Terminations (wire leads are 6" long)		Mounting Holes		Overall Size Dimensions in inches (MM)			Unit Weight (Lbs.)
				No.	Type†	No.	Hole Dia. Screw Size†	Length	Width	Height	
48080	12-36V	42 Amps	40 Amps	1 2	#10 G Wire #12 G Wire	2	3/8" (5.15mm) #10	4 1/2" (114.30)	2 1/8" (50.65)	2" (50.80)	53
48070	12-36V	70 Amps	70 Amps	3	1/4" Stud	2	3/8" (7.14mm) 1/4"	5" (127.00)	3 1/8" (82.55)	2 1/8" (70.99)	92
48090	12-36V	90 Amps	90 Amps	3	1/4" Stud	2	3/8" (7.14mm) 1/4"	6 1/2" (165.10)	3 1/8" (82.55)	2 1/8" (70.99)	1.19
48120	12-36V	140 Amps	150 Amps	3	3/16" Stud	4	3/8" (7.14mm) 1/4"	6" (152.40)	4 1/8" (122.22)	3 1/8" (84.91)	2.05
48160	12-36V	200 Amps	200 Amps	3	3/16" Stud	4	3/8" (7.14mm) 1/4"	8 1/2" (215.90)	4 1/8" (122.22)	3 1/8" (86.51)	3.02
48161*	12-24V	250 Amps	225 Amps	3	3/16" Stud	4	3/8" (7.14mm) 1/4"	8 1/2" (215.90)	4 1/8" (122.22)	3 1/8" (86.51)	3.02

†Millimeter equivalents #10 screw (4.76mm dia.), 1/4" stud (6.35mm dia.), 3/16" stud (7.93mm)

\*Furnished with Schottky diodes in compliance with Federal Specifications KKK-A-1822 B for Ambulances

## New BATTERY ISOLATOR GUARDS FOR USE WITH DELCOTRON SERIES CS ALTERNATORS

- Includes an extra ignition connection terminal.
- The ignition terminal connects to the input side of the vehicle ignition switch to provide excitation to the alternator during start and run positions only.
- Connects to a convenient terminal or wire that is switched by the ignition switch which may be located on the fuse block at a vacant "IGN" position on most late model GM vehicles.

Do not connect to an "ACC" accessory position. Refer to the wiring instructions and diagram supplied with each unit.

**CAUTION:** It is necessary to determine the type of alternator with which the isolator will be used so the proper model may be selected.



No. 48092



No. 48122



No. 48162

Cole Hersee Part No.	D.C. Rating	Maximum Alternator Rating	Rating Per Leg (2 Legs)	Terminations		Mounting Holes		Overall Size Dimensions in inches (MM)			Unit Weight (Lbs.)
				No.	Type	No.	Hole Dia. Screw Size	Length	Width	Height	
48092	12-36V	90	90	3 1	1/4" Stud #10 Stud	2	3/8" (7.14mm) 1/4"	6 1/2" (165.10)	3 1/8" (82.55)	2 1/8" (70.99)	1.20
48122	12-36V	140	150	3 1	3/16" Stud #10 Stud	4	3/8" (7.14mm) 1/4"	6" (152.40)	4 1/8" (122.22)	3 1/8" (84.91)	2.06
48162	12-36V	200	200	3 1	3/16" Stud #10 Stud	4	3/8" (7.14mm) 1/4"	8 1/2" (215.90)	4 1/8" (122.22)	3 1/8" (84.91)	3.08

## MEDICAL COMPARTMENT ISOLATOR FOR AMBULANCES

- Furnished with Schottky diode in compliance with Fed. Spec. KKK-A-1822B.



No. 48051

- 75 AMPS @ 12-24 VDC (Negative Ground).
- Isolates medical equipment batteries from any loads the remainder of the ambulance electrical system may impose.

- Two 1/4" stud terminals.
- Two mounting holes 3/8" (7.14mm) diameter.
- Overall size: (L x W x H) 3 1/2" x 4 1/8" x 3 1/8" (88.90mm x 125.41mm x 84.93mm).



**Cole Hersee Co.**

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## DUAL BATTERY SELECTOR SWITCHES

### M-750 SERIES DUAL BATTERY SELECTOR & DISCONNECT SWITCHES

- Permit current to be carried by either of the two batteries, by two batteries simultaneously, or cuts off all current at the source.
- Ignition protected — conform to U.S. Coast Guard Safety Standard, Section 183.410, for ignition protection.
- Durable, fracture resistant, high temperature engineered plastic case, knob, and insulator.
- Vaporproof, waterproof, dustproof and corrosion resistant.
- Can be operated through ON positions with engines running. (Engines must be shut down before moving to OFF position.)
- Functions with alternators or generators.
- Three 3/8" diameter heavy copper stud terminals with brass hex nuts.
- May be surface mounted or installed through a panel with a 3 3/8" diameter clearance hole.
- Flange diameter 6" and overall height 2 3/8".

Four Positions:

- OFF
- ON — Battery No. 1
- ON — Both batteries
- ON — Battery No. 2

Electrical Ratings: 6-36V (dc)  
310 amps Continuous  
500 amps Intermittent



Made in U.S.A



**No. M-750**  
• Basic Switch.

#### **No. M-751**

- Same as No. M-750 except with key lock.



#### **No. M-752**

- Same as No. M-750 except with alternator field disconnect circuit to prevent damage to the alternator if switch is turned to the "OFF" position with engine(s) running.

#### **No. M-753**

- Same as No. M-752 except with key lock.

#### **No. M-754**

- Same as No. M-750 except with pilot indicator light circuit.

Supplied with attractive display packaging and wiring instructions.



#### **No. M-754-01**

- Same as No. M-754 except with two No. M-331-GC-01 pilot lights with green lenses.
- Pilot light data: Insulated socket with two 16 gauge wire leads, 8" (203.20mm) long. Mounts through 11/16" (17.46mm) dia. hole. Furnished with 12 volt bulb.

#### **No. M-755**

- Same as No. M-750 except with pilot light circuit and key lock.

#### **No. M-755-01**

- Same as No. M-755 except with two pilot lights included.

### DUAL BATTERY SELECTOR SWITCHES

- For 6-36V (dc) applications.
- Heavy steel case, plated to resist corrosion.
- Chrome plated die cast lever.
- 2 Positions: ON (battery No. 1) ON (battery No. 2).

#### **No. M-75501**

- Black enameled aluminum face plate, 2 1/4" (60.32mm) dia.
- Three 1/4" (6.35mm) plated steel screw terminals.
- Brass mounting stem 1/2" (12.70mm) dia., 1/2" (12.70mm) long.
- Fits panels up through 1/4" (6.35mm) thick.

Conservative Rating  
75 AMPS CONTINUOUS



#### **No. M-75500**

- Supplied without face plate.
- Otherwise same as No. M-75501.

#### **No. M-75503**

- "O" ring seal in operating shaft.
- Black enameled aluminum face plate, 2 3/4" (60.32mm) dia.
- Three 1/4" (6.35mm) copper stud terminals.
- Indexing pin on case aligns unit and prevents rotation.
- Brass mounting stem 3/4" (19.05mm) dia., 1 1/2" (13.49mm) long.
- Fits panels up through 1/4" (6.35mm) thick.

Conservative Rating  
125 AMPS CONTINUOUS

Weather Resistant



#### **No. M-75502**

- Supplied without face plate.
- Otherwise same as No. M-75503.