Information on New Products from Cole Hersee Company

# The Heavyweight:

### M-750 Battery Selector/Master Disconnect Switch

Large knob for easy grip... even when wearing gloves. Flange for easy flush mounting. Can also mount through a panel.

Heavy spring ensures rock-solid electrical contact and provides strong detent action to the switch.

3/8" - 24 copper studs are solidly machined to the contact plates and cannot come apart.

All-weather hardware: heavy copper studs and brass nuts for maximum current capacity.









### **Max Starting Power**

Delivers maximum starting power: allows either or both batteries to be used. Can be switched between batteries even when the engine is running.

#### Impact-Resistant

Rugged polyester thermoplastic case and knob. Stands up to impact, maintains its water-resistant integrity.

#### Water-Resistant

High-performance synthetic rubber o-ring keeps out water, contaminants and vapors. Many battery switches have no o-ring!

### **500 Amp Capacity**

Solid copper contact plates. Easily handles amperages as high as 500A intermittent. Largest amp capacity for the dollar of any battery switch.

#### Corrosion-Proof

Stainless steel screws securely hold the plate against the o-ring, and keep the switch watertight.





### **Features**

- Provides the largest amp capacity for the dollar of any battery switch: 500A intermittent, 310A continuous, 6-36V DC.
- A complete series of switches, including the bestselling M-750 and others with enhanced features such as alternator field disconnect circuit.
- Provides a sure and reliable battery disconnection. protecting against electrical fire, tampering or theft, and battery drain.
- For any vehicle using two batteries, such as boats, emergency and rescue vehicles, trucks, RVs, buses, and utility trucks.

### **Specifications**

- Vaporproof, water-resistant, dustproof and corrosion resistant.
- Ignition protected: conforms to USCG safety standard Section 183.410.
- UL and CE certified.
- Body diameter 5.00" (127.00mm), mounting flange diameter 6.00" (152.40mm), overall height 2.64" (67.31 mm). Three 3/8" - 24 copper studs.
- Functions either with alternators or generators.
- Make before break design permits operation through the On positions with the engine running.



## The M-750 Series of Battery Selector/Disconnect Switches



M-750

M-751 with keys

MODEL	Lock*	AFD*	Pilots*	Pilot Circuit*
M-750				
M-751	~			
M-752		V		
M-753	V	V		
M-754				V
M-754-01			V	V
M-755	~			V
M-755-01	V		V	V

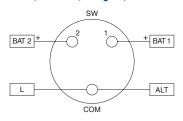
Lock: with key lock and two keys

**AFD**: with Alternator Field Disconnect circuit

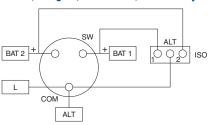
**Pilots**: with two pilot lights enclosed **Pilot Circuit**: Pilot

### Typical wiring diagrams for M-750 & M-751

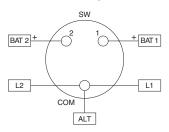
### 2 Batteries, 1 Switch, 1 Engine, 1 Alternator



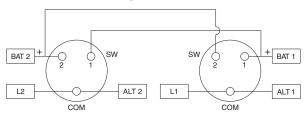
### 2 Batteries, 1 Switch, 1 Engine, 1 Alternator, with Battery Isolator



### 2 Batteries, 1 Switch, 2 Engines, 1 Alternator



### 2 Batteries, 2 Switches, 2 Engines, 2 Alternators



#### Key to the diagrams:

BAT1 = Battery 1 and common BAT2 = Battery 2 and common

**ISO** = Battery isolator

**COM** = Common **SW** = Switch

= Starter & load

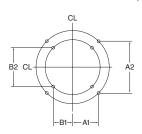
L1 = Starter No. 1 & load

L2 = Starter No. 2 & load

**BOTH** = Common & both batteries

### Mounting

M-750 series switches can be mounted flush or from behind, through a circular hole. When mounted flush, the switch covers over any holes previously made for other brands of battery selector switch. When mounted from behind, No. 563 self-adhesive



plastic sticker is available, which is identical to the ring-shaped sticker already on the switch.

### Surface mounting

Drill four holes on a 5.500" diameter circle (139.7mm). Hole size 0.218" (5.53mm) diameter will accept No.10 screws.

A1 = 1.944" (49.38mm)

A2 = 3.888" (97.78mm)

CL = Center line

### Through panel mounting

Housing & knob clearance hole 3.312" diameter (84.12mm). Drill four holes on a 4.395" diameter circle (116.63mm). Hole size 0.201" (5.10mm) diameter, 0.5" (12.70mm) deep for 1/4" -20 bolts.

B1 = 1.553" (39.46mm)

B2 = 3.107" (78.92mm)

CL = Center line