M-750 BATTERY SELECTOR/MASTER DISCONNECT SWITCH

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” (67.31mm). 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.

Features and Benefits
- 500A intermittent, 310A continuous, 6-36V DC.
- Available 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.

Web Resources
Download technical resources at: littelfuse.com/M-750

Ordering Information

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<th>ALTERNATOR FIELD DISCONNECT</th>
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*special order

- 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.

Datasheet Replaces Hotfeed Number D-598
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

Key to the diagrams:

- BAT1 = Battery 1 and common
- BAT2 = Battery 2 and common
- ISO = Battery isolator
- COM = Common
- SW = Switch
- L = Starter & load
- ALT = Alternator
- ALT 1 = Starter No. 1 & load
- ALT 2 = Starter No. 2 & load

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. 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

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