

**Sealed Against Dust & Water Intrusion** to ensure reliable circuit protection for the life of the electrical system installation.

**Ignition Protected**

Safe for installation in closed compartments with potential explosive gases.

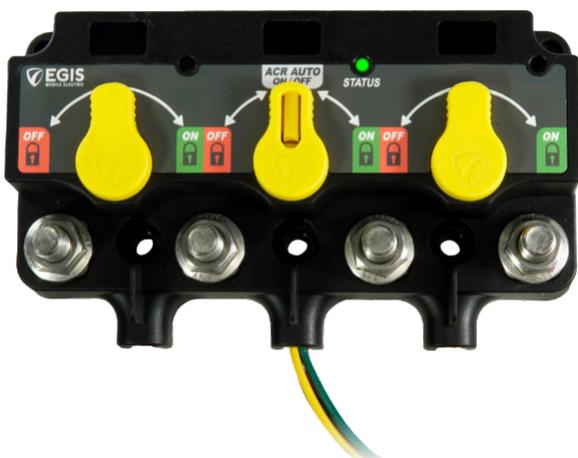
**Serrated Flange Lock Nuts** improves resistance to cable terminal loosening in high-vibration environments.

**Flexible Mounting Options** allow for multiple mounting configurations and a variety of installation types.

**Harsh Environment Design** with stainless-steel hardware, serrated flange nuts, and high temperature materials.



**Related Product: XD Series Add-A-Battery System**



**Isolates Electrical Loads** from batteries when electrical system is not in use, ensuring current draw from load side of switches is eliminated.



**Simple Battery Control Operation** allows connecting, isolating, and combining of up to two batteries with one switch.

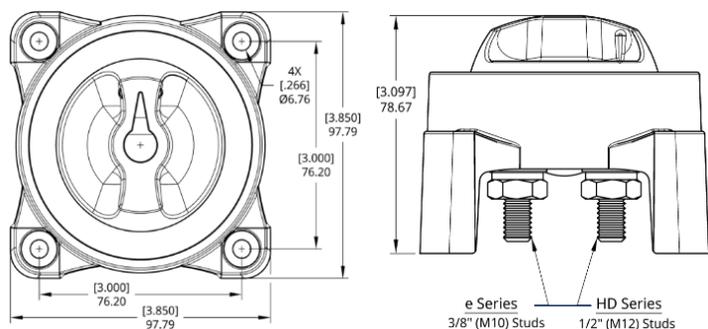


**Bullet-proof Construction:** Stainless-steel hardware, tin-plated copper, and high-temp materials support harsh environment applications.

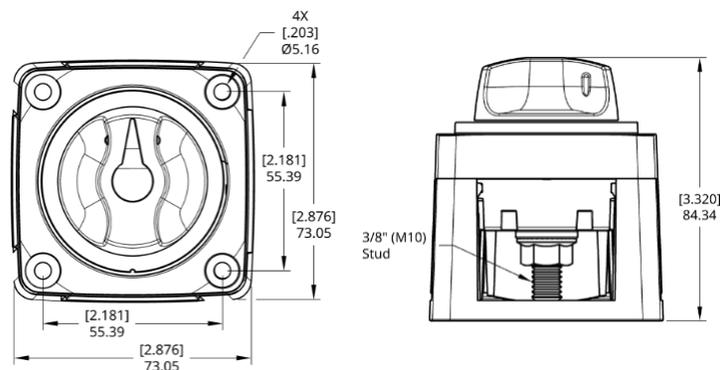


**4 Year Industry Leading Warranty**

**e-Series and HD-Series**



**m-Series**



**e-Series Specifications**

Maximum Voltage (Single Circuit)	48 Vdc
Maximum Voltage (Selector / Dual Circuit)	32 Vdc
Stud/Thread Size	3/8"-16
Terminal Stud Torque	140 in-lbs (15.8 N-m)
Ring Terminal Size Acceptance	3/8" (M10)
Mounting Holes	1/4" (M6) Screw
Live Switching Rating	25 Amps
Ignition Protection Rating	SAE J1171 / ISO 8846
Includes Alternator Field Disconnect (AFD)	PN 2402 Only
Panel/Bulkhead Mount Hole Size	3-5/8" Diameter
Cable Size to Meet Rating	4/0 AWG

Amperage Ratings By Part Number - 30sec / 5min / Continuous

Part Number: 2401	1200 / 600 / 350 Amps
Part Number: 2402	1200 / 600 / 350 Amps
Part Number: 2403	1200 / 600 / 350 Amps
Part Number: 2410	700 / 525 / 350 Amps
Part Number: 2411	700 / 525 / 350 Amps

**HD-Series Specifications**

Maximum Voltage	32 Vdc
Stud/Thread Size	M12x1.75
Terminal Stud Torque	220 in-lbs (24.9 N-m)
Ring Terminal Size Acceptance	M12 / 1/2"
Mounting Holes	1/4" (M6) Screw
Switching Rating	25 Amps
Ignition Protection Rating	SAE J1171 / ISO 8846
Panel/Bulkhead Mount Hole Size	3-5/8" Diameter
Cable Size to Meet Rating	2x 4/0 AWG per side (4x total)

Amperage Ratings By Part Number - 30sec / 5min / Continuous

Part Number: 2500	1750 / 900 / 600 Amps
Part Number: 2502	1600 / 700 / 500 Amps

**m-Series Specifications**

Maximum Voltage (Single Circuit)	48 Vdc
Maximum Voltage (Selector / Dual Circuit)	32 Vdc
Stud Size And Thread	3/8"-16
Terminal Stud Torque	120 in-lbs (13.6 N-m)
Ring Terminal Size Acceptance	3/8" (M10)
Mounting Holes	#10 Screw
Live Switching Rating	25 Amps
Ignition Protection Rating	SAE J1171 / ISO 8846
Bulkhead / Panel - Mounting Hole Size	2-5/8" / 2-5/16"
Cable Size to Meet Rating	4/0 AWG

Amperage Ratings By Part Number - 30sec / 5min / Continuous

Part Number: 2305	900 / 500 / 300 Amps
Part Number: 2306	900 / 500 / 300 Amps
Part Number: 2306-200	900 / 500 / 300 Amps
Part Number: 2307	900 / 500 / 300 Amps
Part Number: 2308	900 / 500 / 300 Amps
Part Number: 2310	675 / 450 / 300 Amps
Part Number: 2311	675 / 450 / 300 Amps
Part Number: 2311-200	675 / 450 / 300 Amps

**Part Numbers**

*Retail Pack Bulk Pack*

m-Series Battery Switch, Key Single Circuit, Red	2305	2305B
m-Series Battery Switch, Single Circuit, Red	2306	2306B
m-Series Battery Switch, Single Circuit, Black	2306-200	2306-200B
m-Series Battery Switch, 4 Position Selector, Red	2307	2307B
m-Series Battery Switch, Dual Circuit, Red	2310	2310B
m-Series Battery Switch, Dual Circuit Plus, Red	2311	2311B
m-Series Battery Switch, Dual Circuit Plus, Black	2311-200	2311-200B
e-Series Battery Switch, 4 Position Selector, Red	2401	2401B
e-Series Batt Switch, 4 Pos Selector w/AFD, Red	2402	2402B
e-Series Battery Switch On/Off, Red	2403	2403B
e-Series Battery Switch, Dual Circuit, Red	2410	2410B
e-Series Battery Switch, Dual Circuit Plus, Red	2411	2411B
HD-Series Battery Switch, On/Off, Grey	2500	2500B
HD-Series Battery Switch, 4 Position Sel, Grey	2502	2502B

**User Warning:** These products are not meant to switch live loads over 25Amps. Ensure that the engine is turned off before switching the battery switch to off.

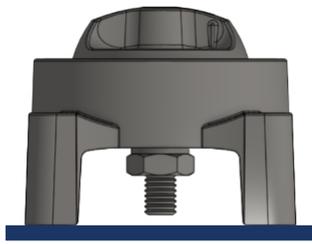


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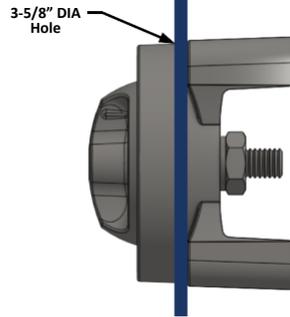


**e-Series and HD-Series**

**Surface Mount**



**Panel/Bulkhead Mount**

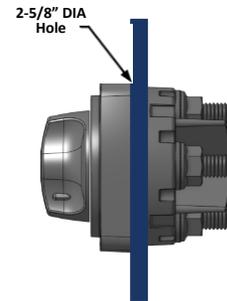


**m-Series**

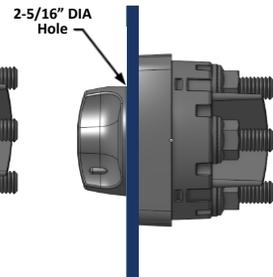
**Surface Mount**



**Bulkhead Mount**

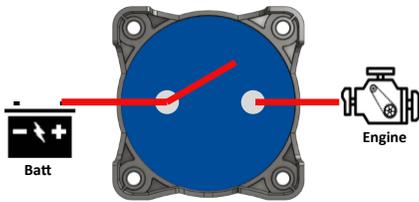


**Panel Mount**



**Installation and Load Diagrams**

**Single Circuit**



2 Position On/Off Selector Controls a Single Circuit

**Associated Part Numbers**

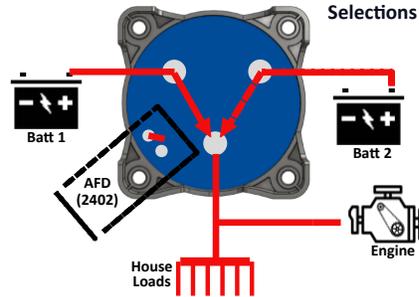
2305

2306

2306-200

2403

**3 - Post Battery Switches**



**2 Position Selector (2500):**

Dual Input, Single Output On / Off or Single Input, Dual Output On / Off Selector

**4 Position Selector:**

Selections for Battery 1, Battery 2, Battery 1+2, Off

**Associated Part Numbers**

2307

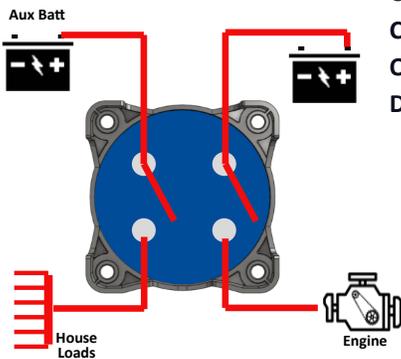
2401

2402

2500

2502

**Dual Circuit**



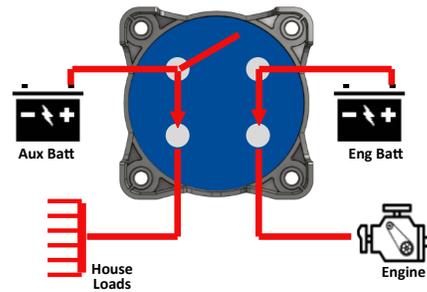
2 Position On/Off Selector Controls Two Independent Circuits. Optional Alternator Field Disconnect (2402).

**Associated Part Numbers**

2310

2410

**Dual Circuit Plus**



3 Position Selector Controls Two Independent Circuits, With the Option To Combine Them

**Associated Part Numbers**

2311

2311-200

2411

**Related Products - XD Relay Battery Management**

**XD Series - Remote Battery Switches and VSRs**



**Competitive Advantages**

- Remote switching allows switching from the helm.
- Intelligent battery charge management allows charging and isolation with zero operator intervention.
- Can be placed directly next to batteries, resulting in heavy duty cable cost and weight savings.
- Modular for easy battery and engine expansion.
- NMEA compatible remote switching available.