

**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.

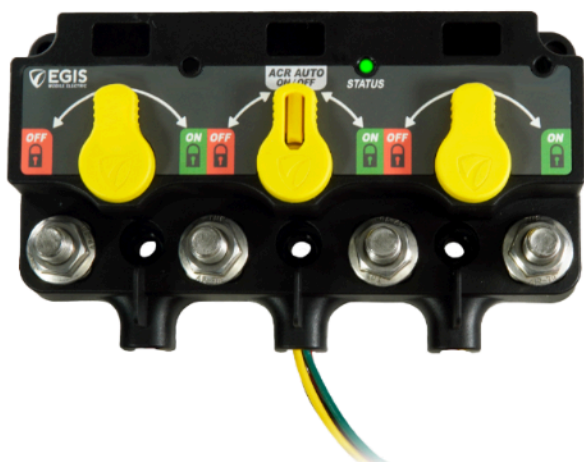
**Serrated Flange Lock Nuts** improves resistance to cable terminal loosening in high-vibration environments.

**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.

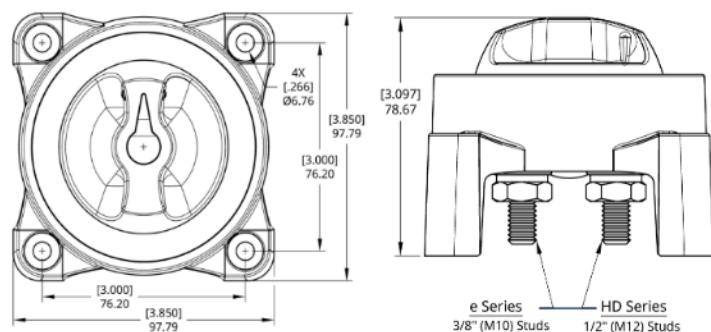


**Bullet-proof Construction:** Stainless-steel hardware, tin-plated copper, and high-temp materials support harsh environment applications.

**4**

**4 Year Industry Leading Warranty**

## e-Series and HD-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

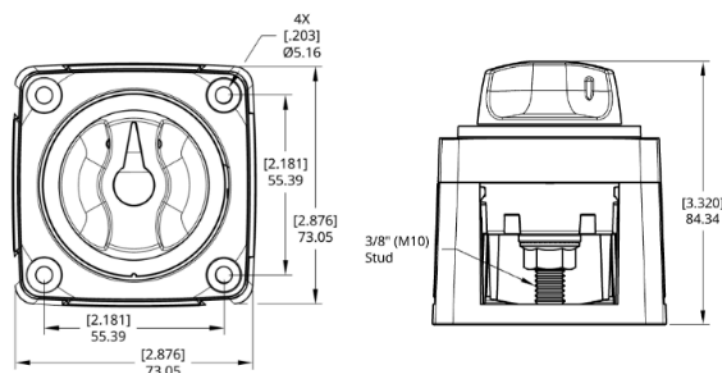
### HD-Series Specifications

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



### 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 Battery Switch On/Off 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.

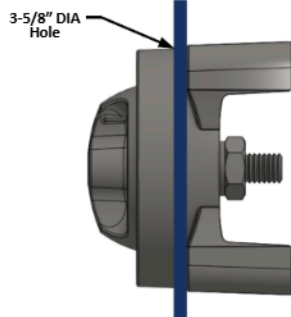


## e-Series and HD-Series

### Surface Mount



### Panel/Bulkhead Mount

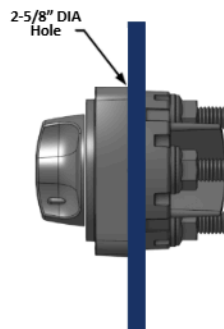


## m-Series

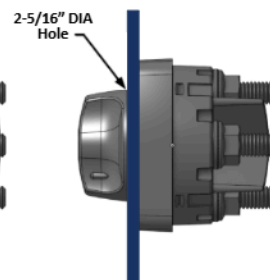
### Surface Mount



### Bulkhead Mount

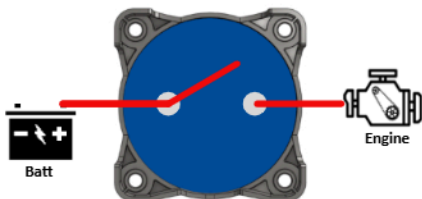


### Panel Mount



## Installation and Load Diagrams

### Single Circuit

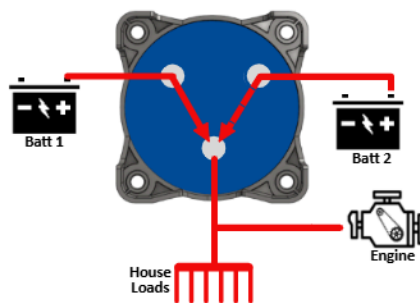


2 Position - ON/OFF  
Switch Controls a  
Single Circuit

#### Associated Part Numbers

2305  
2306  
2306-200  
2402  
2403  
2500

### 4 Position Selector

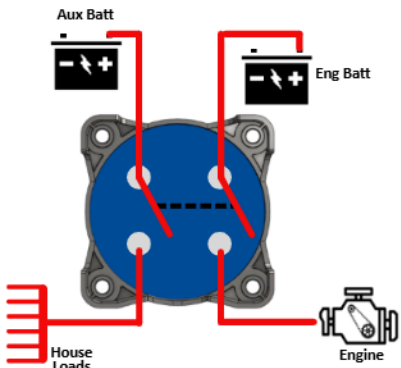


4 Position Switch  
Controls Which  
Battery (or both)  
Supplies a Single  
Output

#### Associated Part Numbers

2307  
2401  
2502

### Dual Circuit

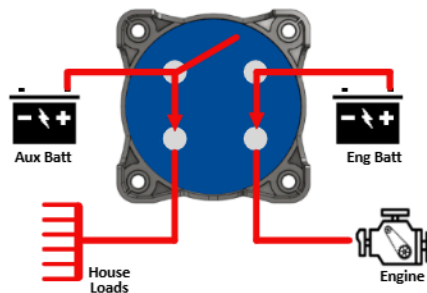


2 Position - ON/OFF  
Switch Controls  
Two Independent  
Circuits

#### Associated Part Numbers

2310  
2410

### Dual Circuit Plus



3 Position ON/OFF  
Switch Controls  
Two Circuits, With  
the Option To  
Combine Batteries

#### 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.