Available December 2021

PATENT PENDING

Dual Circuit

Triple Circuit

Single Circuit

35-75% Reduction in Mounting Space & Product Weight via advanced bi-stable solenoid design and multiple solenoid assemblies that replace common electrical system layouts.

Plug & Play Compatible with Legacy Products: Single, dual and triple relays options available with DTM/ATM connectors pin for pin compatible with BSS ML Series Bi-stable Relays

Local / Remote LED Device Indicators assist in ensuring effective install and provides diagnostics that support debugging system related anomalies.

Bullet-proof Construction: Sealed to IP67/ IP6K9K, high temperature electronics and materials allow mounting anywhere. Stainless steel cable lug studs. Large 1/4-20 (M6) mounting holes.

90-95% Less Off-State Current: Compared to competitive products and other system solutions that require multiple devices for similar functionality

Adjustable Feature Settings via simple dip switches allow each product variation significant flexibility to OEMs and installers.

Intuitive Manual Control option simplifies operation and awareness of state of manual override and whether the device is being left in a locked off or locked on state (not available with competition)
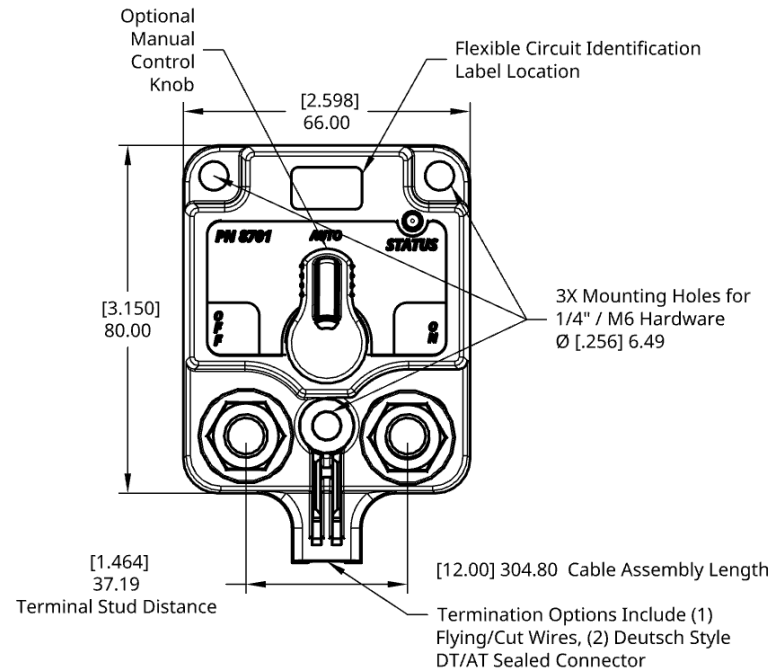
Multiple External Inputs / Outputs provide significant operational flexibility and external indication or secondary device controls.
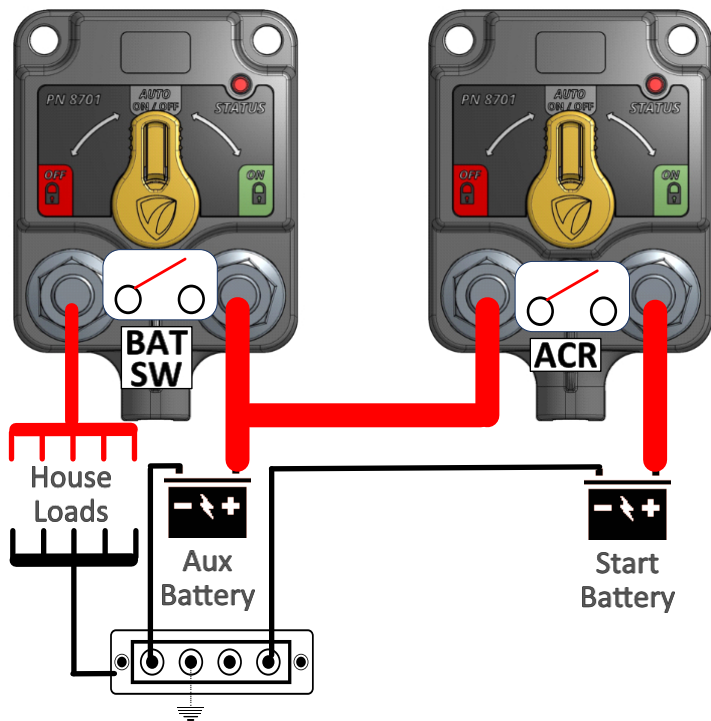
4 **4 Year Warranty**

Optional Manual Control Knob

Flexible Circuit Identification Label Location

[2.598] 66.00

[3.150] 80.00

PN 8701 AUTO STATUS
OFF ON

3X Mounting Holes for 1/4" / M6 Hardware Ø [.256] 6.49

[1.464] 37.19 Terminal Stud Distance

[12.00] 304.80 Cable Assembly Length

Termination Options Include (1) Flying/Cut Wires, (2) Deutsch Style DT/AT Sealed Connector

2X M10 x 1.5 Stainless Steel High Power I/O Terminals & Serrated Flange Nuts.

[1.969] 50.00

[.787] 20.00

* Custom product configurations available including control harness wires, time delays, voltage settings, dip switch functionality, and control input functionality. Low minimum quantities and short lead time for samples or production. Contact support@egismobile.com
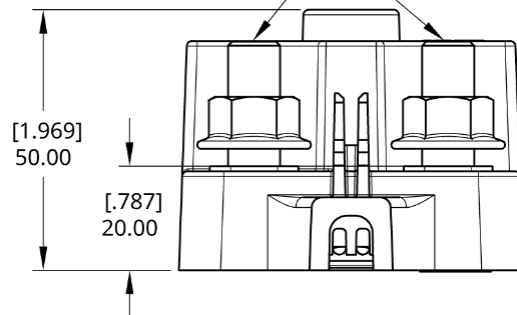
Single Relay Common Applications

Ex: 8701-1101
Flex Relay Programmed as Remote Battery Disconnect

Ex: 8701-1103
Dual Battery Automatic Charging Relay

BAT SW

ACR

House Loads

Aux Battery

Start Battery

General Specifications (per Relay)

Input Voltage Range (Vdc)	8.0 - 36.0 Auto-Ranging	
Nominal Voltage (Vdc)	12	24
Over Voltage Protection (Vdc) (5 sec)	17.0	34.0
State Change Current (20 msec)	5.0 A	3.0 A
Standby Current, Entire Device	1.2 mA	
Live Current Switching -10,000 cycles	12V/300A	
Mechanical Switching Life	1,000,000 cycles	
2/0 AWG - 30sec/5min/Continuous	1000 / 400 / 225 Amps	
4/0 AWG - 30sec/5min/Continuous	1100 / 400 / 300 Amps	
2x 4/0 AWG - 30sec/5min/Cont.	1600 / 700 / 500 Amps	
Hardware Material	Stainless Steel Self-Locking	
Terminal Stud Torque	120 in-lbs	
LED/Aux Output Max Drive Current	400 mA	
Min Source Current for Inputs	10 micro-Amps	

ACR Products

ACR Products	Knob	Connection	Resell Pack	Bulk Pack
XD Series ACR	Yes	Tinned Wire	8701-1003	8701-1003B
XD Series ACR	No	Tinned Wire	8801-1003	8801-1003B
XD Series ACR	Yes	Deutsch DTM	8701-1103	8701-1103B
XD Series ACR	No	Deutsch DTM	8801-1103	8801-1103B

Remote Battery Disconnects / Solenoids

Description	Knob	Connection	Resell Pack	Bulk Pack
XD Flex-Relay/ACR/LVD	Yes	Tinned Wire	8701-1001	8701-1001B
XD Flex-Relay/ACR/LVD	No	Tinned Wire	8801-1001	8801-1001B
XD Flex-Relay/ACR/LVD	Yes	Deutsch DTM	8701-1101	8701-1101B
XD Flex-Relay/ACR/LVD	No	Deutsch DTM	8801-1101	8801-1101B

* Functional Replacements to Legacy Competitor Products (Remote Battery Disconnect and Solenoids) in both Bi-Stable and Auto-Release Control Methods Available and In Stock - See XD Relay Competitor Cross Reference Document or Contact our Sales Representatives

Accessories

Accessories	Resell Pack	Bulk Pack
XD Series Adjacent Link Bar	8790	8790B
XD Series Cross-Over Link Bar	8791	8791B

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Bellingham, WA   U.S.A

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8702 - Dual XD Relay

4.5" (115 mm)

Ex: 8702-1003

House Loads

Aux Battery

Start Battery

BAT SW

ACR
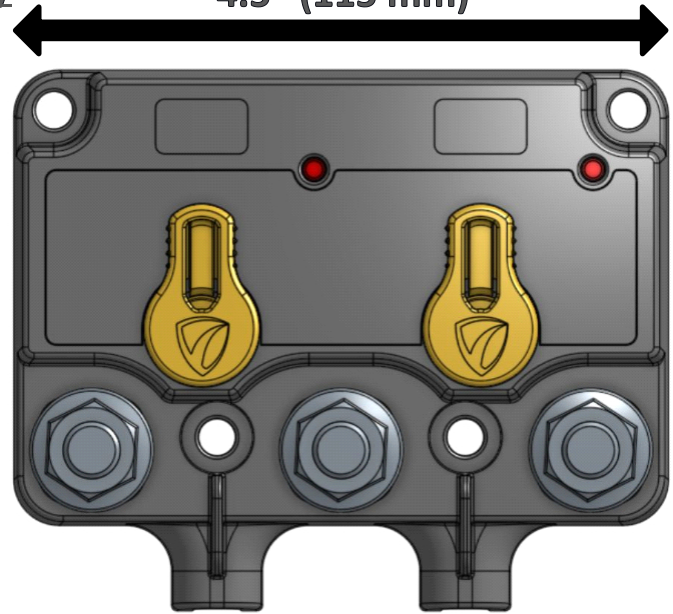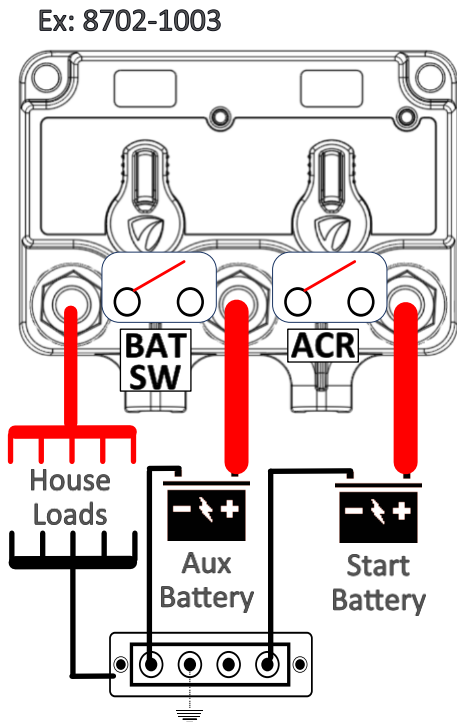
Left Relay Function	Right Relay Function	Part #
Flexible Relay/ACR/LVD	Flexible Relay/ACR/LVD	8702-1001B
Automatic Charge Relay	Battery Switch Relay	8702-1002B
Battery Switch Relay	Automatic Charge Relay	8702-1003B
Automatic Charge Relay	Automatic Charge Relay	8702-1004B

* Custom product configurations available including control harness wires, time delays, voltage settings, dip switch functionality, and control input functionality.

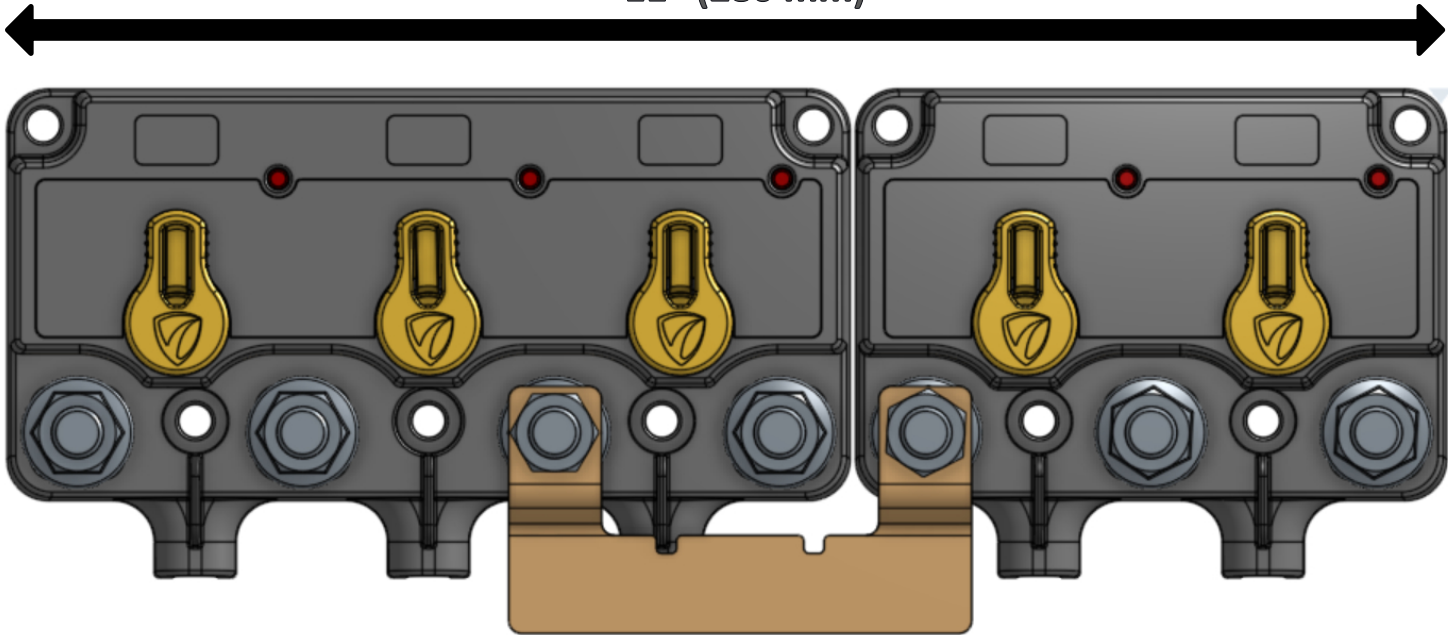## 8703 - Triple XD Relay

6.5" (164 mm)

Ex: 8703-1003

House Loads

Aux Battery

Start Battery

Engine

BAT SW

ACR

BAT SW
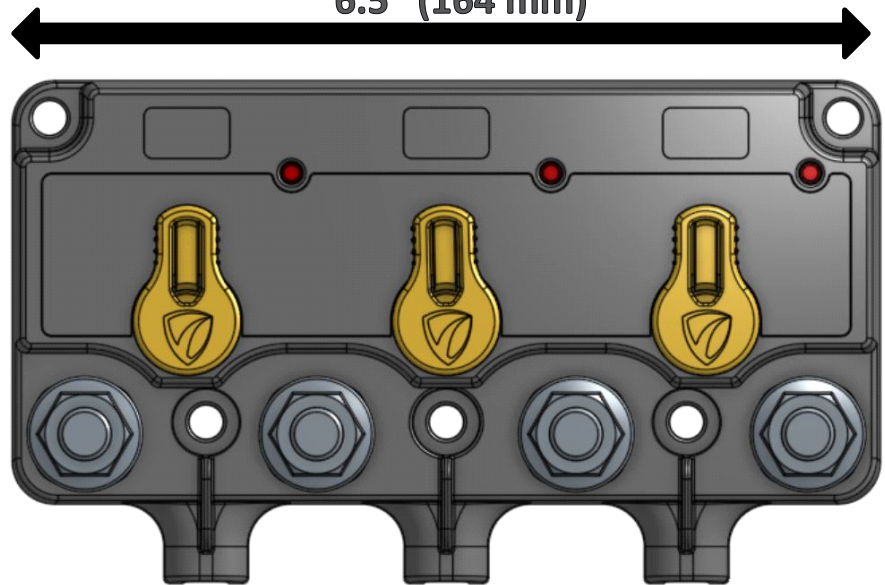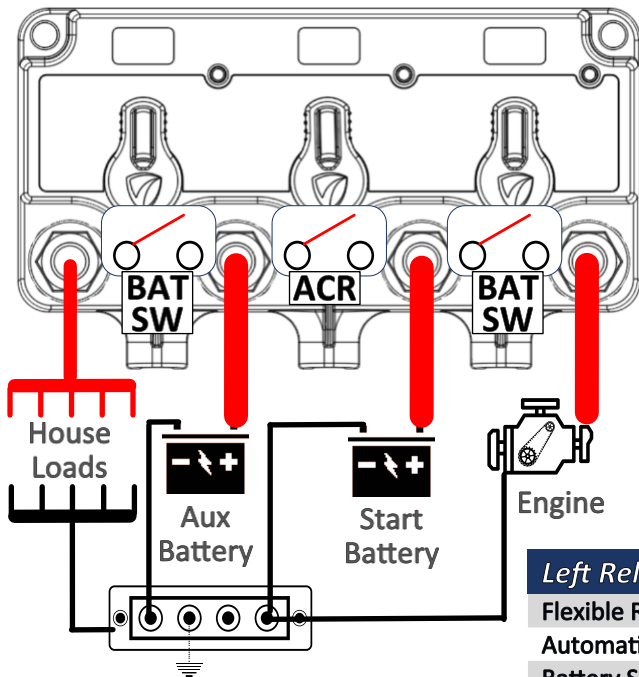
Left Relay Function	Center Relay Function	Right Relay Function	Part #
Flexible Relay/ACR/LVD	Flexible Relay/ACR/LVD	Flexible Relay/ACR/LVD	8703-1001B
Automatic Charge Relay	Automatic Charge Relay	Automatic Charge Relay	8703-1002B
Battery Switch Relay	Automatic Charge Relay	Battery Switch Relay	8703-1003B

* Custom product configurations available including control harness wires, time delays, voltage settings, dip switch functionality, and control input functionality.

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Triple Battery Relay / ACR Cluster

11" (280 mm)

8791 Cross-Over Busbar

* Custom product configurations available including control harness wires, time delays, voltage settings, dip switch functionality, and control input functionality.

Ex: 8703-1003   Ex: 8702-1002

BAT SW | ACR | BAT SW | ACR | BAT SW

House Loads

Aux Battery

Engine 1 Battery

Engine 1

Engine 2 Battery

Engine 2

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Quad Battery Bank Relay / ACR Cluster

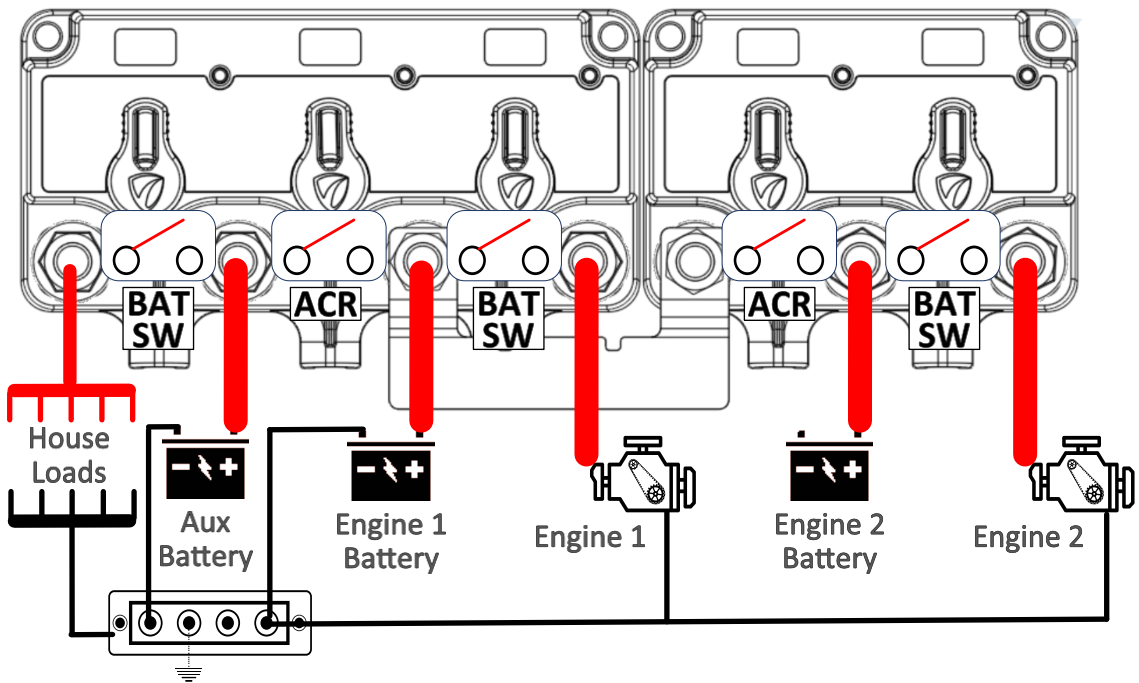**15.75" (400 mm)**

8791 Cross-Over Busbar   8791 Cross-Over Busbar

* Custom product configurations available including control harness wires, time delays, voltage settings, dip switch functionality, and control input functionality.
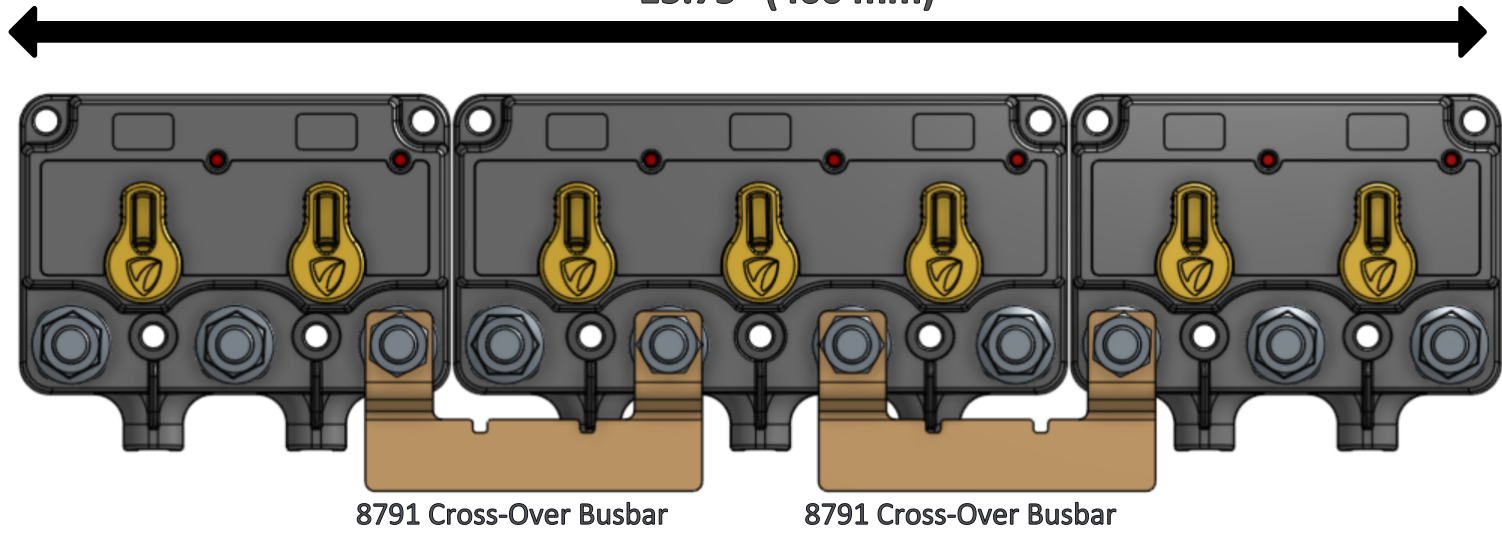
Ex: 8702-1003   Ex: 8703-1003   Ex: 8702-1002

BAT SW   ACR   BAT SW   ACR   BAT SW   ACR   BAT SW

Engine 3

House Loads

Engine 3 Battery

Aux Battery

Engine 1 Battery

Engine 1

Engine 2 Battery

Engine 2

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