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Product Spotlight ~ Advanced Automatic Charging Relays

Dual Battery Automatic Charging Relay (160 Amp)

Supports All Battery Types and Charge/Discharge Priorities with fully adjustable open and close voltages.

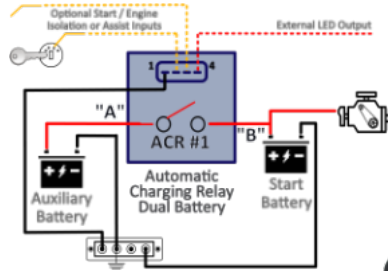
Supports Multiple Engine Systems with two start/engine isolation inputs.

Start Assist Option for auto or manual connection between start and house batteries during crank event.

Optional Priority Charging delays closure until charging battery is at a higher charge state.

Optional Aux Battery Priority shares start battery energy while ensuring available power for starting.

Low voltage Lockout option protects ACR and healthy batteries from consequences of connecting into severely depleted or shorted cell batteries.



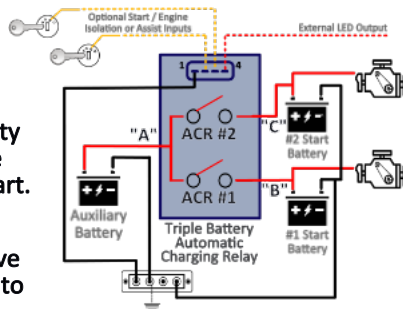
PN: 7610B

Triple Battery Automatic Charging Relay, 2x80 Amp

Two Independent ACRs in One Product reduces installation time, space, and cost. Significantly lowers off-state current draw.

Adjustable Auxiliary Battery Priority provides a variety of disconnect voltages for aux/house battery to share engine battery energy without sacrificing ability to start.

Start/Engine Isolation and Start Assist functions are optional for each relay; allowing protection of sensitive electronics from engine starting events or the option to boost cranking effectiveness.



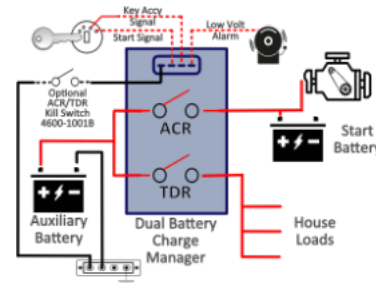
PN: 7612B

Dual Battery Charge Manager, 80A ACR / 80A Relay

One Product Handles Two Functions for both auxiliary battery charge management and house/auxiliary load switching with optional time delay.

Prevents add-on equipment from draining batteries / maximizes and extends operational readiness.

Protects sensitive on-board electronics via optional under/over voltage shutdown and start event isolation.



PN: 7614B

Primary Specifications

	12 Vdc	24 Vdc
Voltage Range	8.0 - 18.0 Vdc	16.0 - 36.0 Vdc
Max Current (7610/7611)	160 A	
Max Current Per Output (7612)	80 A	
Standby Operating Current	1.3 mA	
Max Intermittent Current (7610/7611)	240 A	
Max Intermittent Current Per Circuit (7612)	120 A	
Close Voltage Range (7610)	12.9-13.6 Vdc	25.8-27.2 Vdc
Open Voltage Range (7610)	12.1-12.8 Vdc	24.2-25.6 Vdc

Part Numbers

160 Amp ACR, Dual Battery, 12Vdc	7610B
160 Amp ACR, Dual Battery, 24Vdc	7610-24B
160 Amp ACR, Dual Battery, 12Vdc	7611B
160 Amp ACR, Dual Battery, 24Vdc	7611-24B
2x80 Amp ACR, Triple Battery, 12Vdc	7612B
2x80 Amp ACR, Triple Battery, 24Vdc	7612-24B
Dual Battery Charge Manager, 12Vdc	7614B

Sealed Ground Blocks & Break-Out Blocks

Compact Solution distributes / collects 12 circuits with one M8 Terminal Stud (via MX-150 connector)

Eliminates loose screw connections

Simplifies Install Time and protects connections

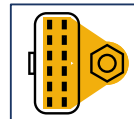
Waterproof and Ignition Protected (IP67/IP69K, ISO8846)

High Amperage Capacity: 150 Amp maximum total current, 20 Amp maximum per circuit



PN: 2012B

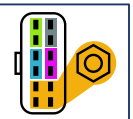
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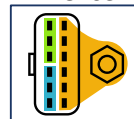
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PN: 8402B



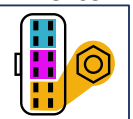
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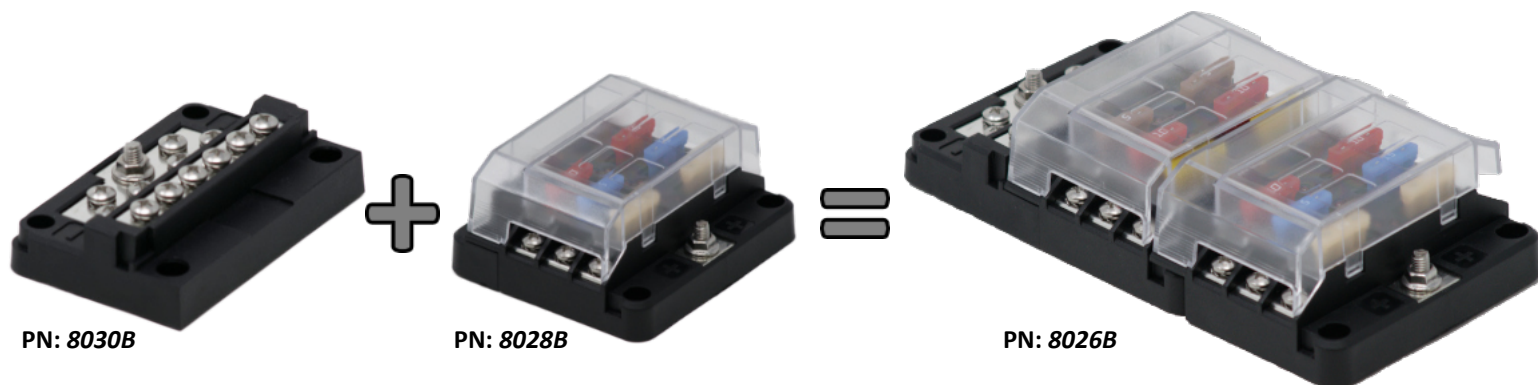
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PN: 8405B



Product Spotlight ~ Ring Terminal Fuse Blocks w/Blown Fuse LEDs



Modular Design can produce seven (7) unique configurations from just two parts, reducing part numbers to stock.

LED Indicators pinpoint the origin of downstream system faults if a fuse is blown.

Harsh Environment Design: Stainless steel self-locking hardware, optional weather-proof labels.

Part Numbers	w/Gnd	No Gnd	Other
RT Fuse Block, 6 Circuit	8025B	8028B	
RT Fuse Block, 12 Circuit	8026B	8029B	
RT Fuse Block, 18 Circuit	8031B	8032B	
RT 12 Circuit Ground Block			8030B
40 Waterproof Label Set, Marine/RV			8021B

Specification	Value
Voltage Range	0 - 36 Vdc
Max Current (Entire Block)	100 A
Max Current Per Circuit	30 A
Max Output Terminal Size	10 AWG
Max Input Terminal Size	2 AWG

Sealed Relays, Single 160 A or Dual 80 A Outputs, 12V or 24V



Extend Capability of TH Series ACRs: Cost effectively add independent outputs controlled by ACR, to share power generated with battery banks that have no charge sources attached.

Implement Simplified Automatic Load Switching or Charge Management: utilize ignition signal to automatically connect loads or batteries, or control with a manual switch. Dual output relay allows independent or tandem relay control.

Three Connection Options: Sealed MX150, flying leads, or optional Deutsch DT/AT connector termination.

Designed for Harsh Environment: Stainless steel self-locking hardware, tin plated copper alloy conductors, optional sealed Deutsch DT/AT control connector.



Product and Application Solutions

Auxiliary Load Remote Relays

- Remote Signal or V-Sense ON/OFF
- Single / Dual Output Options
- Adjustable Voltage Trigger Points
- Voltage Based Load Shedding
- Optional OFF Time Delay
- Ultra-low Off State Power Draw
- Fully Sealed / Stainless Hardware
- Custom Configurations Available



7601
160 Amp Auxiliary Load Relay



7616
Dual Output 2x80 Amp Aux Load Relay



7618
Universal Voltage Sensing Relay



5601
30 Amp PT Series Time Delay Relay

Automatic Charging Relays

- Share Charge Sources Between Multiple Batteries
- Combo Solutions Save Time/Space
- Thermal Overload Protection
- Patent Pending Functionality
- Customize Solutions Available
- Three Connection Options Incl. Deutsch DT/AT and Flying Leads



7610
2 Battery ACR
12 or 24 V Versions



7611
2 Battery ACR
12 or 24 V Versions



7612
3 Battery ACR
12 or 24 V Versions



7614
Dual Battery Charge Manager

Remote Relay Switches

- Replaces Manual Battery Switches For Charge Present Applications
- Increase ACR Current Capacity
- Expand ACR Outputs Count for Batteries Without a Charge Source
- Connect to Ignition Signal for Simple Charge Management
- Optional Deutsch DT/AT Plug



7421D
160 A Relay, 12V



7421-24D
160 A Relay, 24V



7422D
2x80 A Relay, 12V



7422-24D
2x80 A Relay, 24V

Fuse Blocks

- Connector Outputs - 5015 Series
- Marine Grade Hardware / Plating
- LED Blown Fuse Indicators-RT Series
- Waterproof Label Sheets Available
- Modular Solution - Re-Configurable
- Directly Connects to TH Products
- Wire Harnesses of up to 20 Feet For 8+2 Fuse Blocks Reduce Install Time



5015
10 Pos Fuse Block
8 ATO + 2 LP-JCase



8025 / 8028
6 Pos Fuse Block
Optional Gnd Return



8026 / 8029
12 Pos Fuse Block
Optional Gnd Return



8031 / 8032
18 Pos Fuse Block
Optional Gnd Return



CT Series
12 Pos Sealed
Ground/Dist Blocks



8030B
12 Pos 120 A Ring
Terminal Busbar



**Fuse Holders and
Circuit Breakers**



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