



**Vehicle & vessel electrical systems for demanding applications that are safe, dependable, and require minimal operator interaction.**

**EMERGENCY  
VEHICLE**



**MARINE**



**WORK  
TRUCK**



**OFF-ROAD /  
AG**



# Vision



**Egis Mobile Electric is relentlessly committed to delivering the highest quality and reliability in products and customer service, while embracing lean principles throughout the organization to eliminate unnecessary costs and ensure maximum customer value. We partner deeply with our customers to learn and share product and application knowledge and support their success by consistently ensuring world-class product availability.**

**We design and manufacture innovative electro-mechanical and electronic solutions that ensure electrical system safety and maximize performance for demanding vehicle and vessel applications where downtime is a serious consequence. We continually develop a broad range of solutions that simplify system design, are easy to install, and seamlessly interconnect to improve and automate system performance.**

# Mission

# Product Overview

Battery & Load Management, Power Switching,  
Circuit Protection, Power Distribution



12 & 24 Vdc, 30 - 160A Single & Dual Output Relays  
w/Optional Time Delay. Also Priority Source Selector,  
Voltage Sensitive Relays



Break-Out Blocks  
1:1, 1:2, 1:3, 1:4  
& Sealed Ground  
Return Block



Dual/Triple Battery ACRs &  
Combo ACR/TDR (12/24)

Circuit Breakers  
Automotive Relays  
Sealed Contactors



Power Distribution Module w/Switch,  
Circuit Protection, Ground Return



8+2 Sealed  
Connector  
Fuse Block /  
Modular  
Ring  
Terminal  
Fuse Blocks



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# RT Series Fuse Blocks



## Key Features & Differentiators

**Stainless Steel Hardware**

**Tin Plated Terminals**

**Integrated Blown Fuse LED Indicators**

**Two (2) SKUs Build 7 Solutions**

**Busbar Connectivity to Relay Solutions**

**Maximum Number of Fuses**

## Egis

**Yes**

**Yes**

**Yes**

**Yes**

**Yes**

**18**

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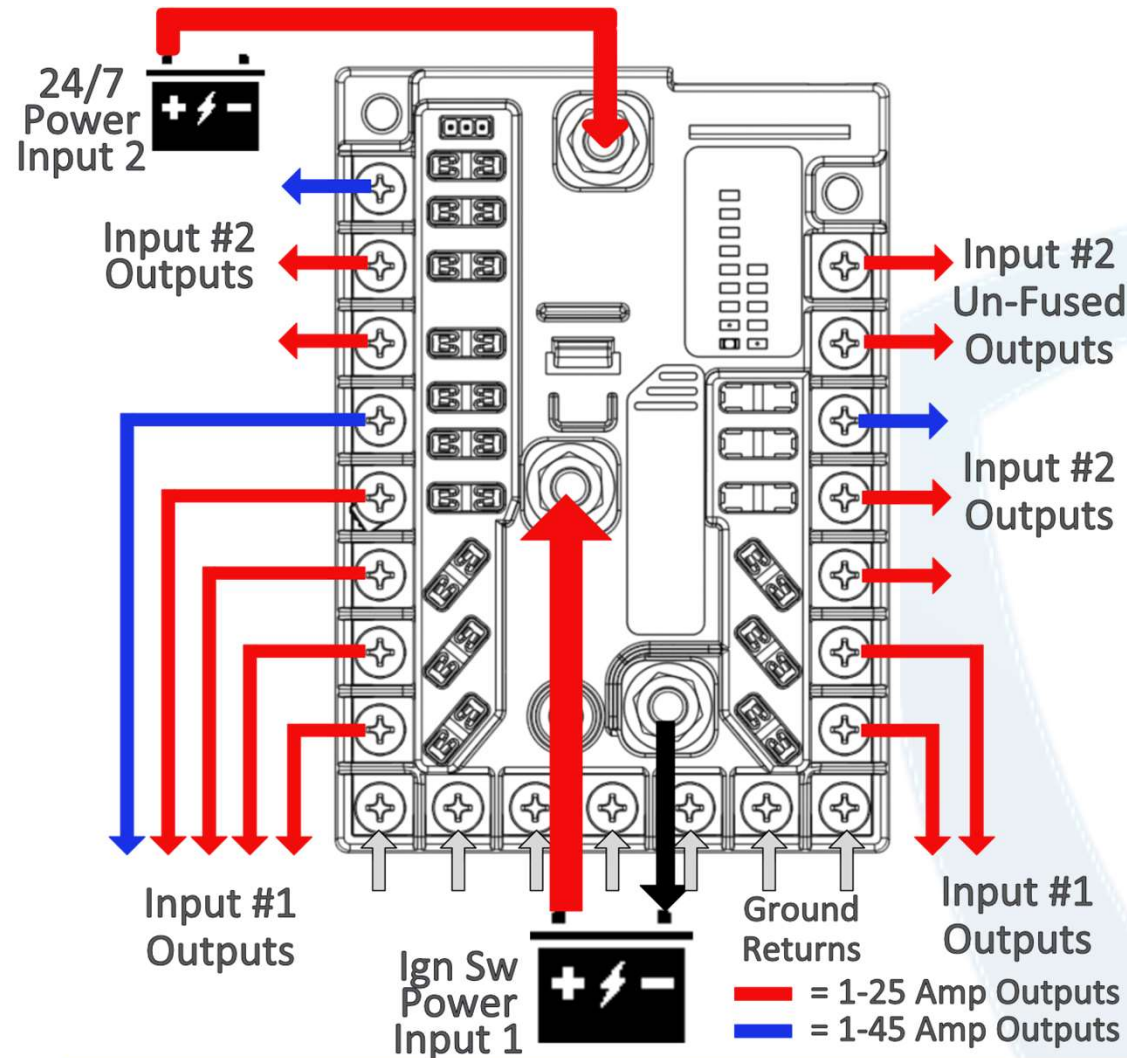


# System Focus to Component Development



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# 13 Position Split Input Fuse Block



## Split Input FB Features

- Mini Auto Fuse Block
- Ten 1-30 A Fused Outputs
- Three 1-50 A Fused Outputs Support High-Amp Loads
- Two Un-Fused Outputs
- 200 Amp Total Continuous Current (100 A per Input)
- Blown Fuse LED Indicators

8033B

# CT Series - Circuit Protection & Distribution System

6001-3001  
+  
901262  
+  
5015

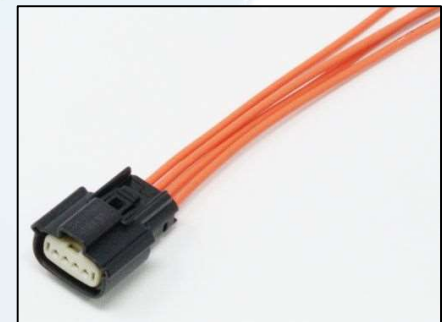


5015

4605B

## Key Features & Differentiators

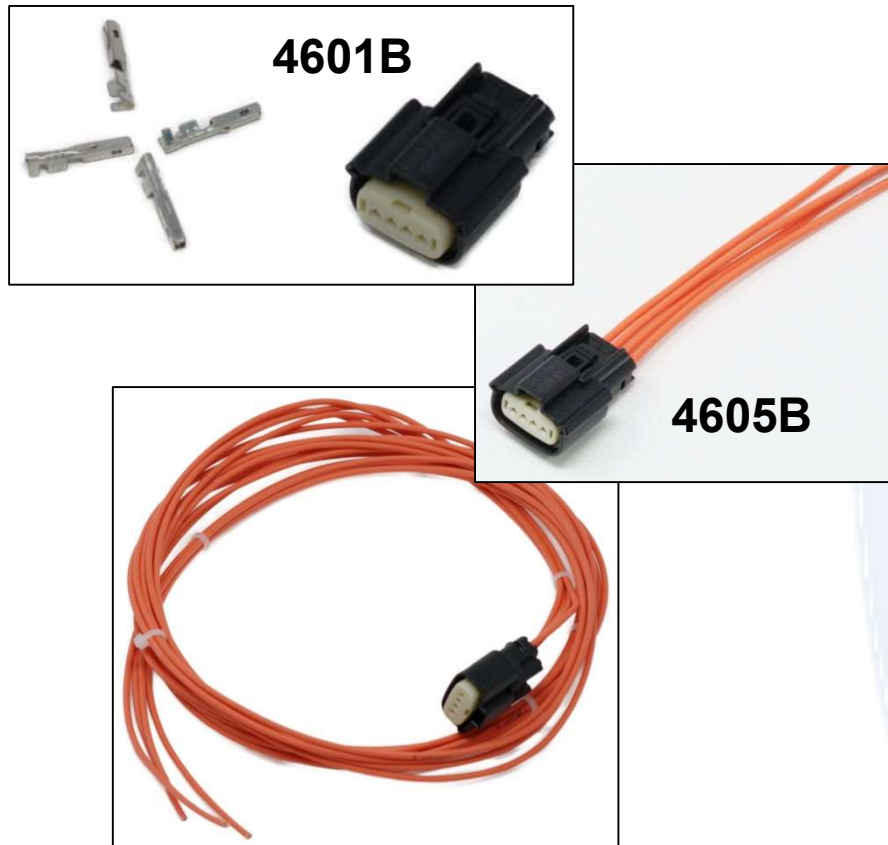
- 200 A Total, 50 A per ATO group, 50 A per LP J Case
- Wide Range of Fuse Protection Levels (1 – 60 A)
- Stainless Steel Hardware / Tin Plated Copper
- Simple Busbar Connectivity to Manual / Auto Relays
- Snap-on Cover and Optional Waterproof Label Set
- Multiple Options for Low-Amp Circuit Connections



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# CT Series Fuse Blocks (Cont)



**4601B**

**4605B**

**Cir 1-4**

**Cir 5-8**

**5 ft 4605-1111B**

**4606-1111B**

**10 ft 4605-2222B**

**4606-2222B**

**20 ft 4605-4444B**

**4606-4444B**

## Key Features & Differentiators

- **Complete Connectivity Options**
  - **Loose Terminals & Plug**
  - **1 ft Pigtail Wire Extension**
  - **Complete 5, 10, 20 ft Harnesses**  
**Marked w/ Circuit #1-#4 or #5-#8**
- **Modular System Options w/TH Series Single/Dual Output Relays (10-30 Cir.)**
- **Plug & Play Builds Save Time/Labor**



**7601 + 2x5015 + 2x 901262**  
**(Fuse Block Covers Not Shown)**

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# TH & CT Series – System Solutions #1

## 7421B (Version 1)

TH Series High Amp  
Relay - 160 Amp

## 7601B (Version 2)

TH Series High Amp Time  
Delay Relay - 160 Amp

## 4605-2222B

Harness w/ 10 ft Wires  
"Circuit #1-#4"

## 4605-4444B

Harness w/ 20 ft Wires  
"Circuit #1-#4"

## 5015B

CT Series 8+2 Fuse  
Block, ATO / LP J Case  
24 Hr - Always Hot

## 5015B

CT Series 8+2 Fuse  
Block, ATO / LP J Case  
Ignition Switched

## 4606-4444B

Harness w/ 20 ft Wires  
"Circuit #5-#8"

## 4606-2222B

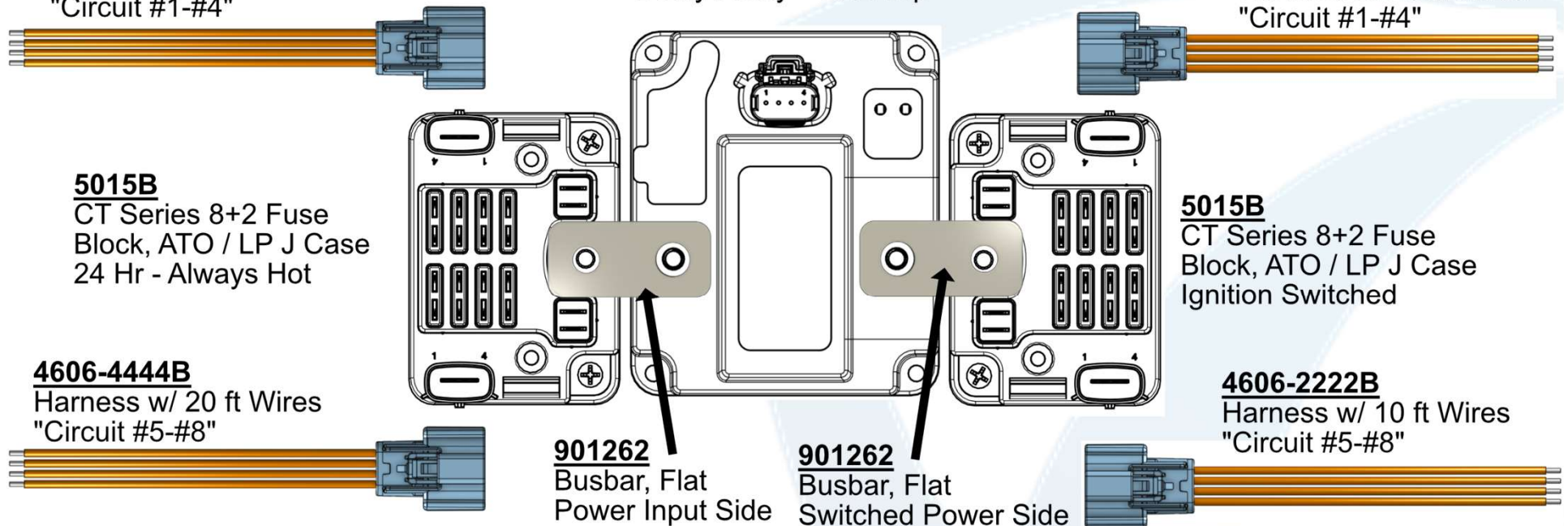
Harness w/ 10 ft Wires  
"Circuit #5-#8"

## 901262

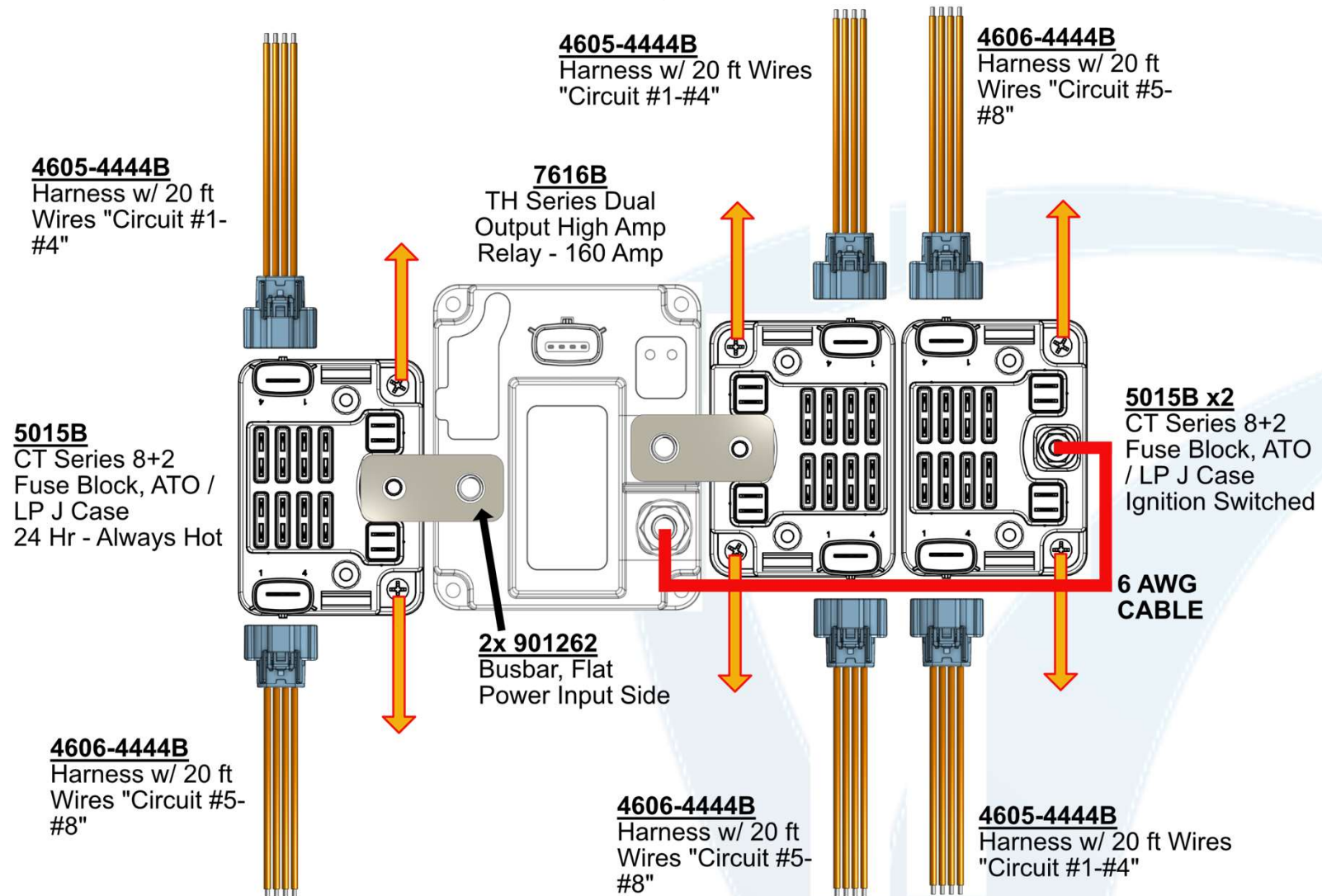
Busbar, Flat  
Power Input Side

## 901262

Busbar, Flat  
Switched Power Side

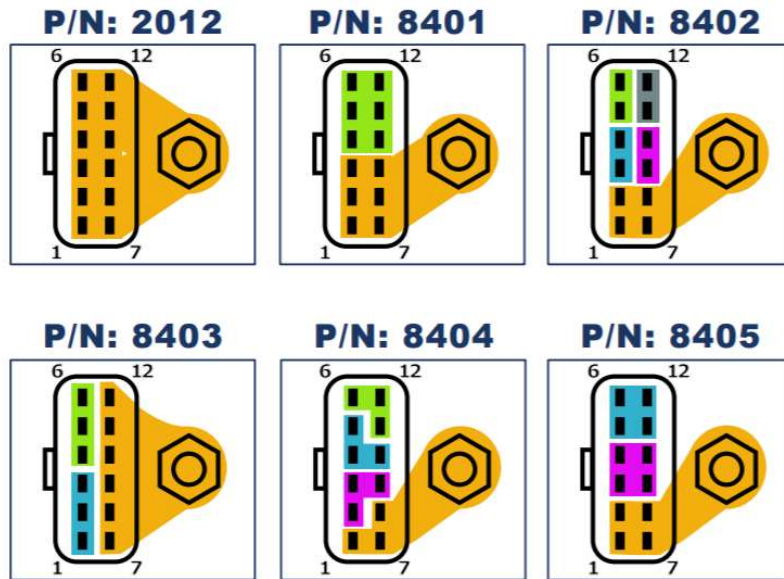


# TH & CT Series – System Solutions #2



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# CT Series – Sealed Distribution & Break-out Block Solutions



## Key Features & Differentiators

- **Sealed Ground Return, Positive Break-Outs**
- **Eliminates Butt Splices and Terminal Strips**
- **150 A Total / 22 A per MX-150 Terminal**
- **Stainless Steel Hardware / Tin Plated Copper**

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# Sealed Low Voltage Relays



## Key Features

- Drop-In Replacement to Tyco Relay
- Improved High-Amp Connection, M6 SS Flange Nuts
- High Temp Rated, High Inrush Current
- Sealed Enclosure
- Integrated Amp SuperSeal 2 Pin Receptacle Connector
- Up to 180A Continuous Current

## Key Features & Differentiators

- Weather Resistant Housing
- 160 A Current Rating
- 105 C Max Operating Temp
- Three Control Wire Options (Flying Wires, Molex MX-150, Deutsch DT/AT)
- Easily Integrates with RT or CT Series Fuse Blocks with Optional Busbars

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# Sealed High Voltage & Current Relays

7021 / 7022



## 7021-7022 Features

- Drop-In Replacement Tyco EV-250, Blue Sea 9012. 12/24V Rated
- Improved High-Amp Connection, M8 SS Serrated Flange Nuts
- Hermetically Sealed Enclosure
- Optional Auxiliary Contacts
- 250 – 400 A Continuous Current
- 275 – 600 A Intermittent Current
- 1,000 A Cranking Current

7023  
7024  
7025  
7026



## 7023-7026 Key Features

- 12V & 24 V Models
- With or Without Auxiliary Contacts
- 100 A Continuous Current
- 105 C Max Operating Temp

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# High-Amp Circuit Breakers (50-250 Amp)



- Supports Higher Voltage LiFePo Battery Systems
- Surface Mount and Panel Mount Versions

## Key Features & Differentiators

**Waterproof**

**Ignition Protected**

**High Visibility Push to Trip**

**Interrupt Current (16 Vdc)**

**Interrupt Current (48 Vdc)**

**Electrical Switching Cycles (16v)**

**IP66/IP67**

**ISO 8846**

**Yes**

**5,000 A**

**3,000 A**

**6,000 cycles**



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# Automatic Load/Battery Management



5601



7616



7601  
6001-3001

## Features & Differentiators

**Provides Load Power After Engine/Switch Off**

**30 A Models: Low-Amp Sub-System Switching**

**- Engine Blower, Convenience Lighting**

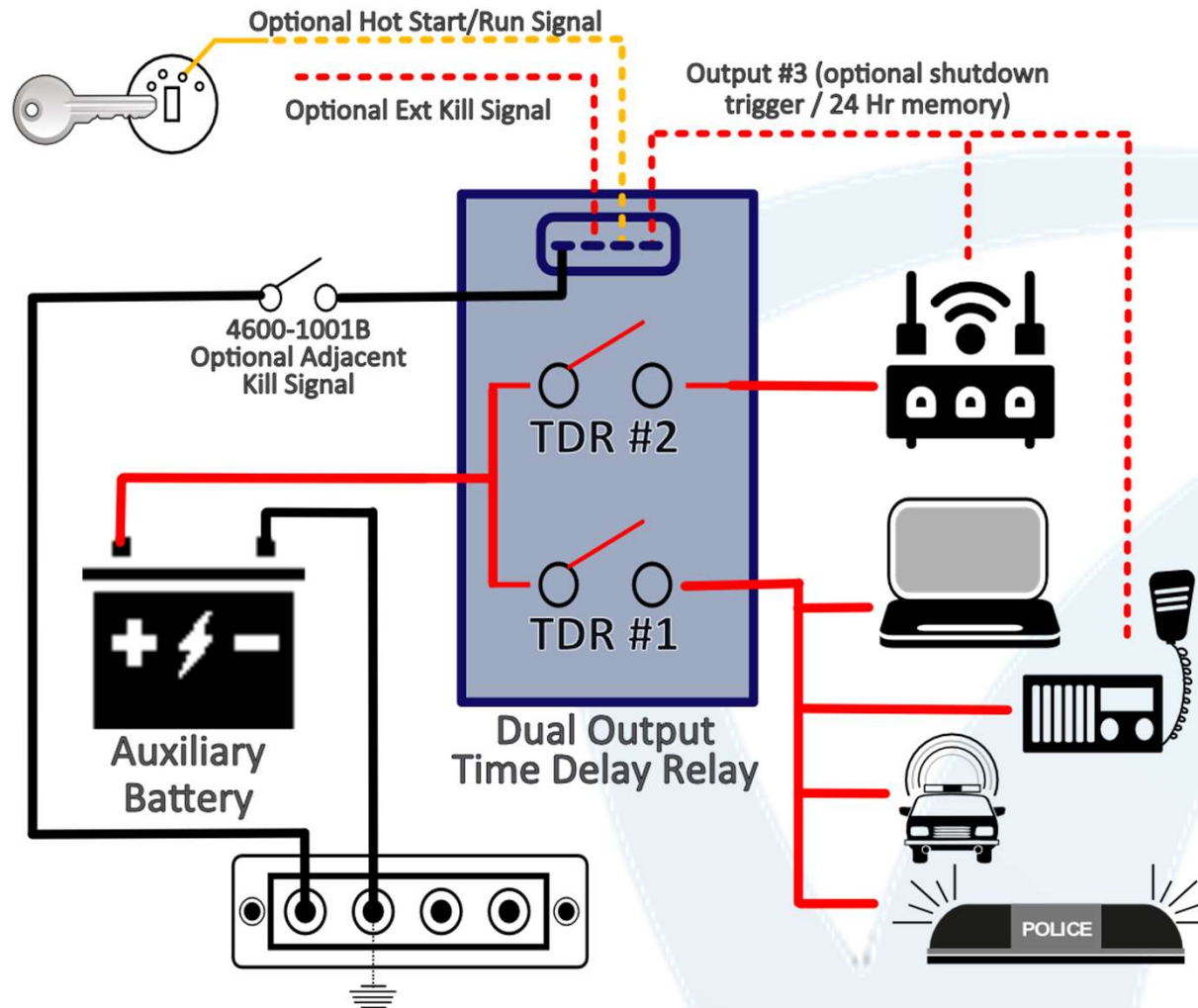
**160 A Models: Whole Vehicle/Vessel Protection**

**Dual Output Option, Ultra-Low Off-State Current**

**Low Voltage Protection**

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# Time Delay Relay – System Schematic



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# PT Series Time Delay Relay

## Automatic Load/Battery Management



**PT Series Time Delay Relay 5601**



### Key Features & Differentiators

**Integrated Thermal/Circuit Protection**

**Yes**

**Current Capability**

**30 A**

**Low Voltage Protection Option**

**Yes**

**Maximum Operating Temperature**

**105 C**

**Weather Resistant Housing**

**Yes**

**Sealed Connector (DT/AT) Options**

**Yes**

- **Extremely Compact**
- **Optional IP67/IP69K Fixed Function Versions**
- **Additional Models With Shorter Time Delay Options, One Shot & Delay On Functionality**



# TH Series Time Delay Relay

## Automatic Load/Battery Management



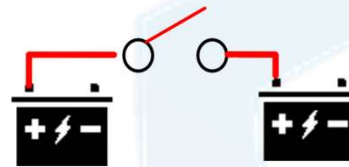
<b>Key Features &amp; Differentiators</b>	<b>7601/7618</b>
<b>Weather Resistant Housing</b>	<b>Yes</b>
<b>Continuous Current</b>	<b>160 A</b>
<b>Maximum Operating Temperature</b>	<b>105 C</b>
<b>Off-State Current Draw</b>	<b>1.3 mA</b>
<b>Integrated Thermal Protection</b>	<b>Yes</b>
<b>Adjustable Voltage Settings / Features</b>	<b>Yes</b>
<b>Control Wire Connector (DT/AT) Options</b>	<b>Yes</b>

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# Multiple Battery Charge Management



**TH Series  
Automatic Charging  
Relay 7610**



## Key Features & Differentiators

**Weather Resistant Housing**

**Current Rating**

**Maximum Operating Temperature**

**Off-State Current Draw**

**Integrated Thermal Protection**

**Adjustable Voltage Settings / Features**

**Secure Control Wire Connections**

7610	SI-ACR
------	--------

Yes	Yes
-----	-----

160 A	120 A
-------	-------

105 C	60 C
-------	------

1.3 mA	15 mA
--------	-------

Yes	No
-----	----

Yes	No
-----	----

Yes	No
-----	----

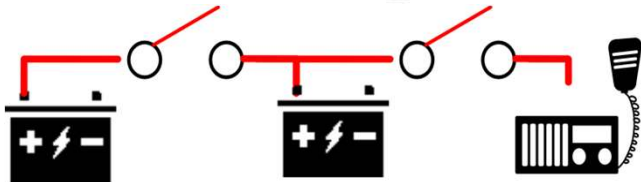


**Compare to  
Blue Sea 7610**

# Advanced Charge Management Solutions



**7614**  
**Dual**  
**Battery**  
**Charge**  
**Manager**



**7612**  
**Triple**  
**Battery**  
**Automatic**  
**Charging**  
**Relay**



## Key Features & Differentiators

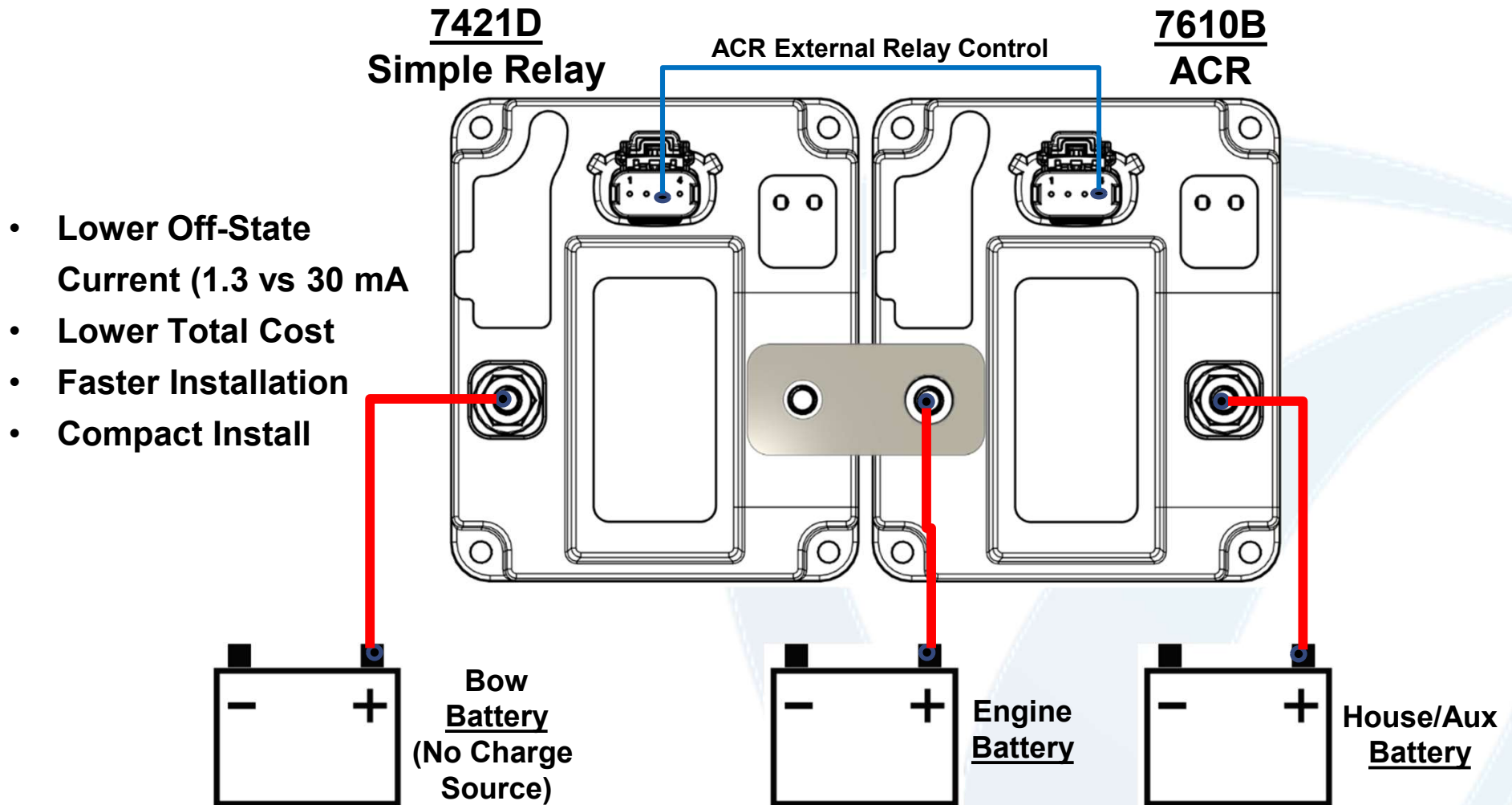
- **Single Device vs Multiple: Cost/Space/Power**
- **2x 80 Amps Max Current Per Relay**
- **Flexible Feature Selection via Dip Switches**
- **Connection Options: Flying Wires, MX-150, DT/AT**
- **Ultra-Low Off-State Current Draw (1.3 mA)**



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# Simple & Cost-Effective ACR System Solutions



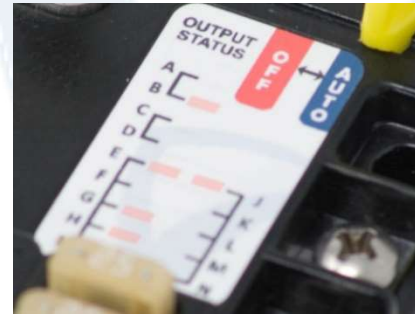
# Power Distribution Module – 14 Output



**2601 / 2602**

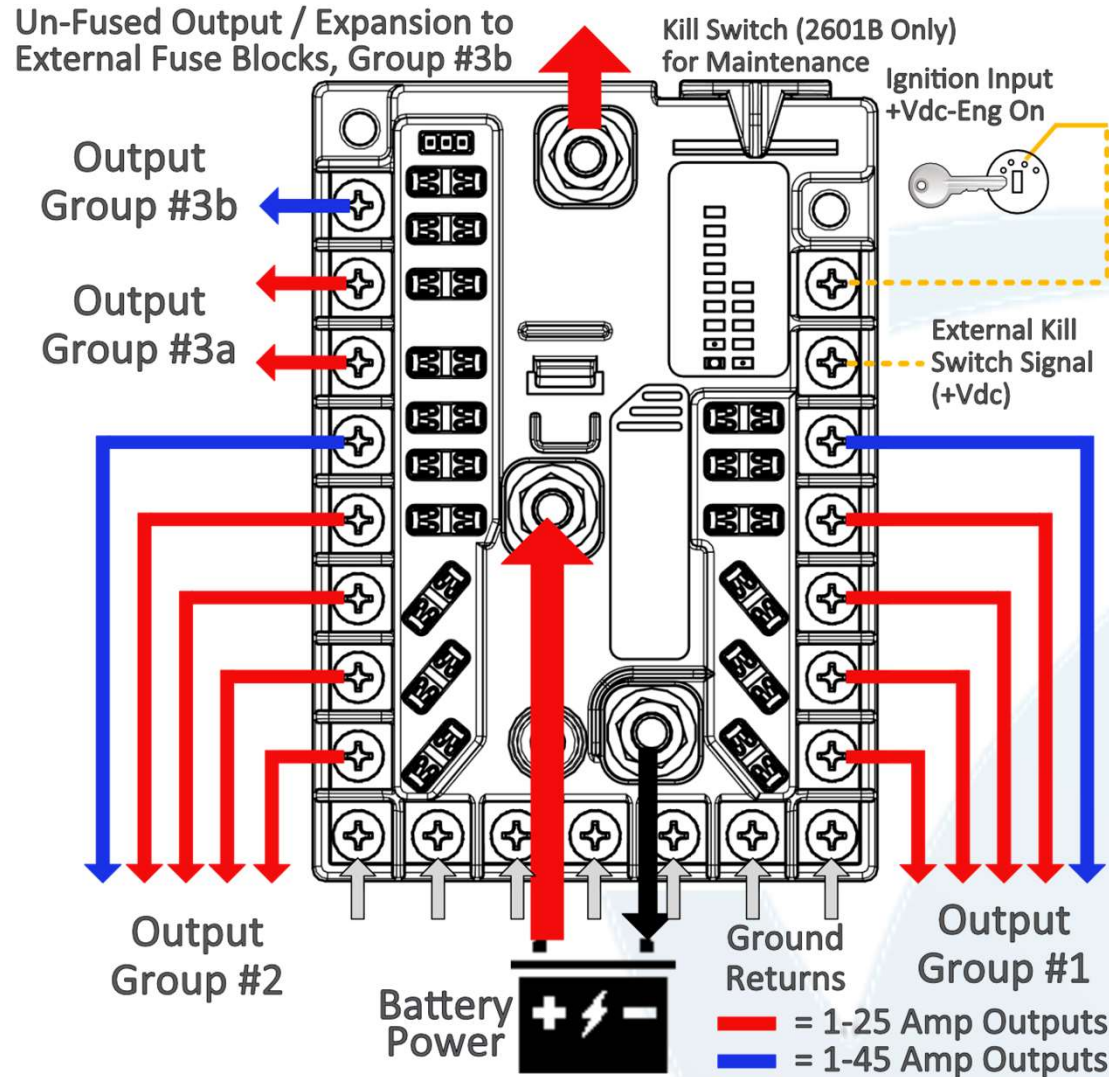
## Key Features & Differentiators

- Four Functions / One Device
- Circuit Switching / 3 Groups, Set to 24/7, Ignition Switched, Time Delay Off
- Circuit Protection, Ten 1-25A, Three 1-45A
- Local Kill Switch for Service/Maintenance
- Ground Block Power Return to Battery
- 175 Amp Total Continuous Current Rated
- Over/Under Voltage & Temp Protected
- On/Off/Blown Fuse LEDs
- Expandable to 26 Circuits



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# PDM-14 – System Schematic



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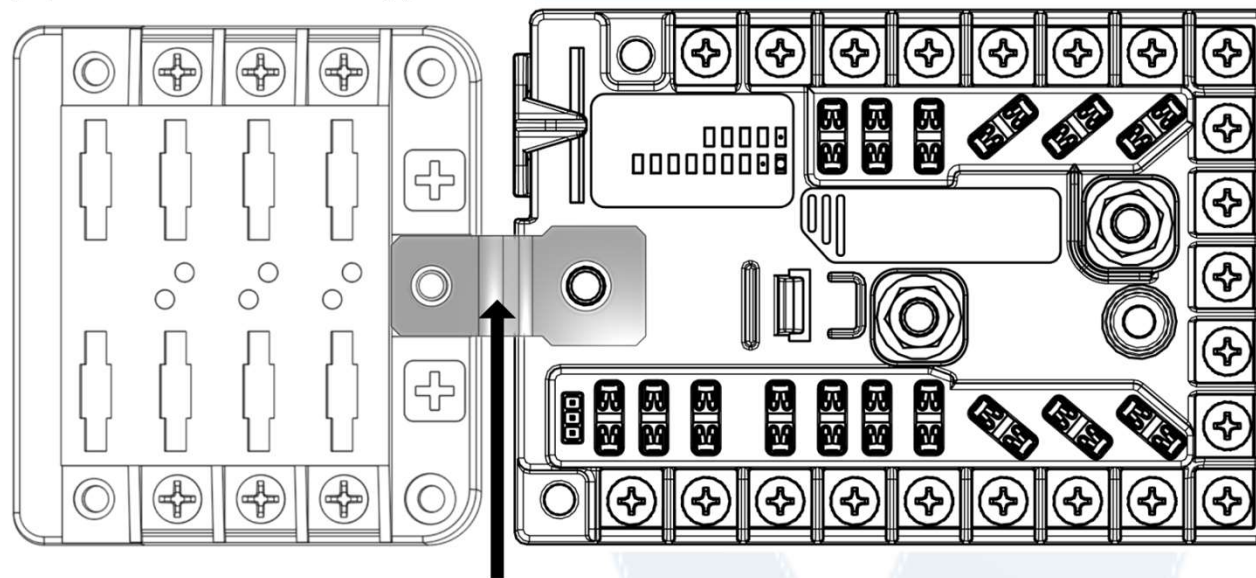
# PDM-14 Based Large System Options #1

## **8029B**

RT Series 12 ATC/ATO  
Circuit Fuse Block,  
Ignition Switched  
(optional Time Delay)

## **PDM-14**

13 MINI Fused Outputs (Ten @  
1-25A, Three @ 1-45 Amps) +  
One Expansion Output, 175A, 3  
Output Groups



## **901466**

Busbar, Offset  
Switched Power Side

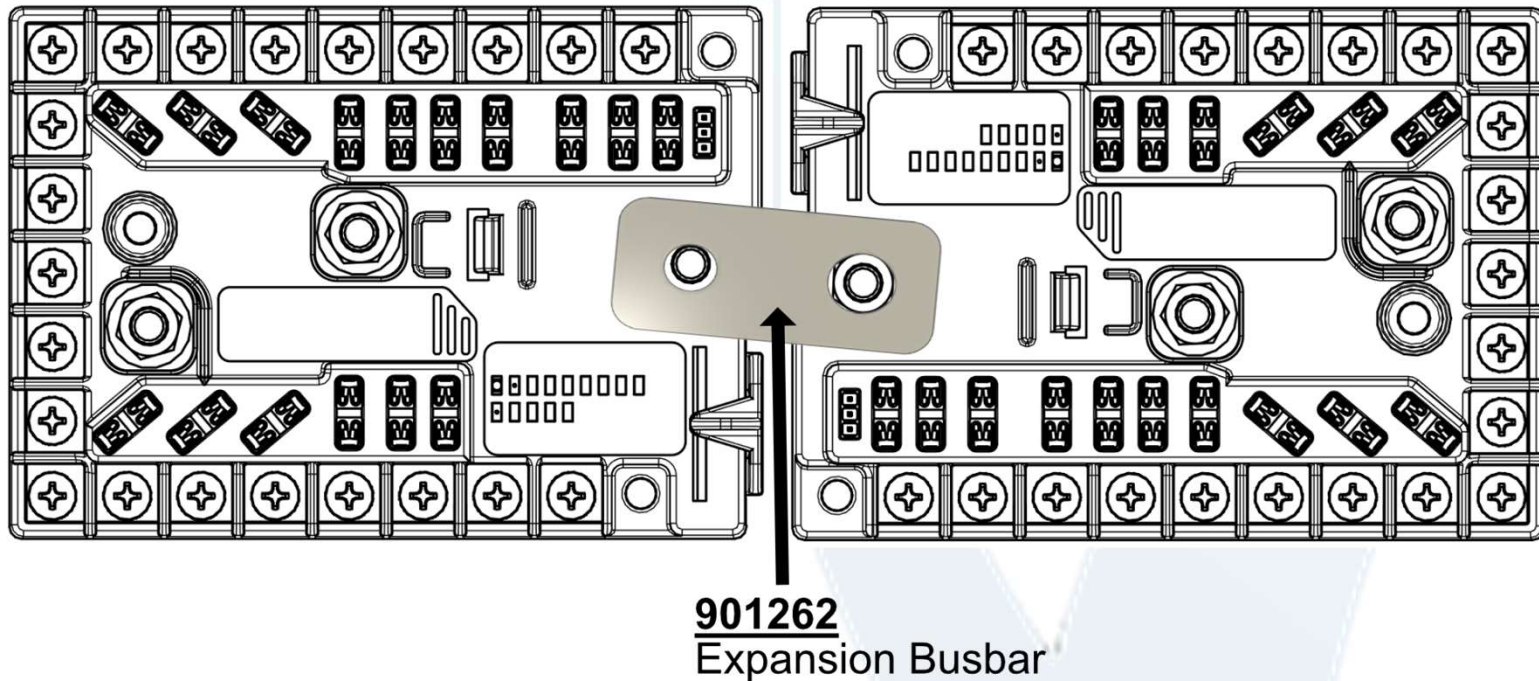
# PDM-14 Based Large System Options #2

## 13 Pos Mini Fuse Block

13 MINI Fused Outputs  
(Ten @ 1-25A, Three @ 1-45 Amps) + Two Un-Fused Outputs , 120 A Total Current

## PDM-14

13 MINI Fused Outputs  
(Ten @ 1-25A, Three @ 1-45 Amps) + One Expansion Output, 175A, 3 Output Groups



# Accessories



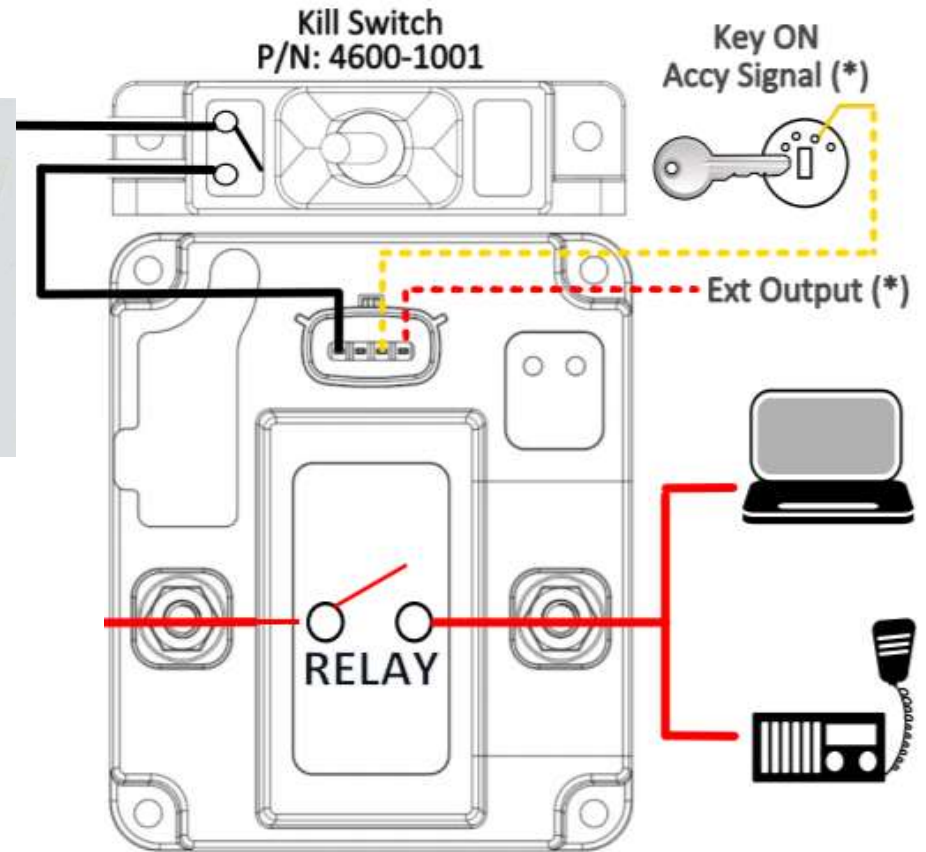
**Cable Caps**



**Waterproof Label Sets**



**Kill Switch**



**TH Series Relay Family**  
6001-3001, 7601,  
7614, 7616, 7618, etc

..... = optional connection