

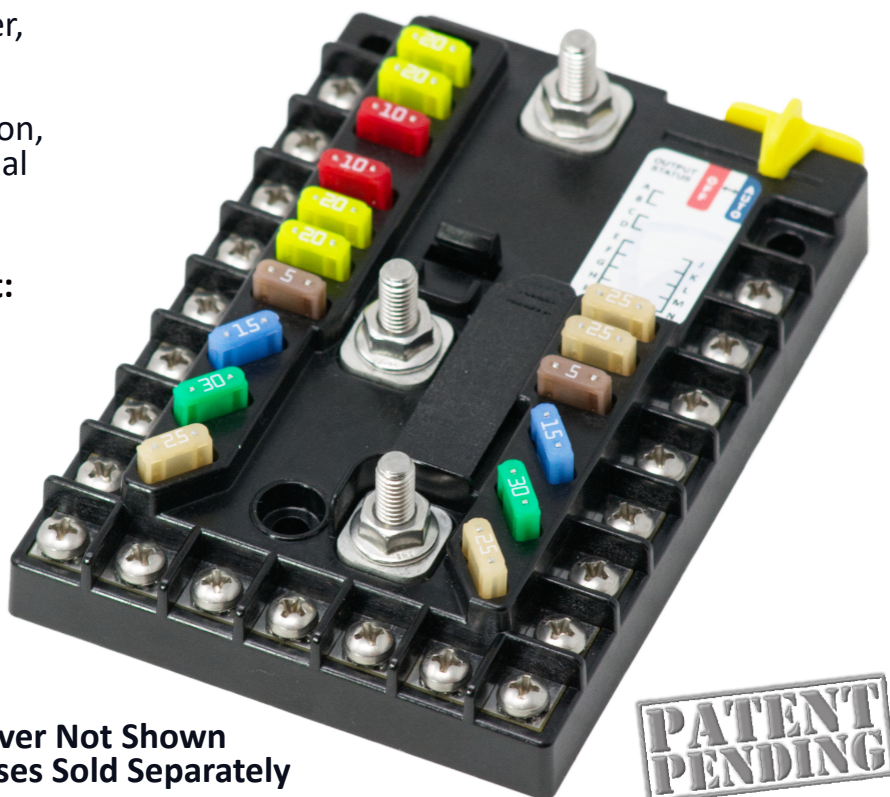
**Ultra Compact Solution** Combines 24/7 Power, Ignition Switched Power, and Time Delay Switched Off Power for Intelligent Battery Protection. Also Includes Fused Wire Protection, a Ground Return Buss, and an Optional Manual Kill Switch.

**Reduce Install Space and Total Installed Cost:**  
Four (4) Separate Functions in One Product

**Three (3) High-Amp (1-45A) Outputs** Allow Protection of All Incremental Circuits Within One Complete Solution

**Three Flexible Output Groups** Can Be Set to 24/7, Ignition Switched, or Time Delay

**Expandable** Up to 31 Fused Outputs with RT or CT series Fuse Blocks



**Cover Not Shown  
Fuses Sold Separately**



**P/N: 2601B**



**Ultra Low (1.3 mA) Off-State Current:**  
Ensures sufficient battery energy after storage



**Optional Under and Over Voltage Protection** prevents battery and electrical load damage, can optionally be applied to 24/7 configured outputs for additional protection.



**LED Indicators** for On/Off, Blown Fuse Indication, or Voltage/Temp Abnormalities



**Ignition or V-Sense** trigger options for on/off.



**Remote and Local Kill Switch Options:**  
Provide unique ability to isolate all auxiliary loads, including optionally outputs set to 24/7

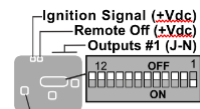


**4 Year Industry Leading Warranty**

## Dip Switch Setting Options & Features

**\* DISCONNECT BATTERY FROM POWER DISTRIBUTION SYSTEM BEFORE INSTALLING PRODUCT TO PREVENT ELECTRICAL SHOCK OR PRODUCT DAMAGE**

**\* DIP SWITCH CHANGES REQUIRE A DEVICE RE-BOOT OR CHANGE IN ON/OFF STATE BEFORE BEING REGISTERED AND TAKING EFFECT**



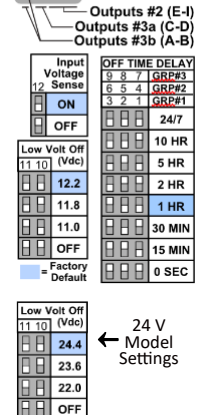
**DS1-DS3** sets delay between Off Trigger and Group #1 Outputs OFF. 0 SEC Provides Ignition Switched, 24/7 provides constant power

**DS4-DS6** sets delay between Off Trigger and Group #2 Outputs OFF. 0 SEC Provides Ignition Switched, 24/7 provides constant power

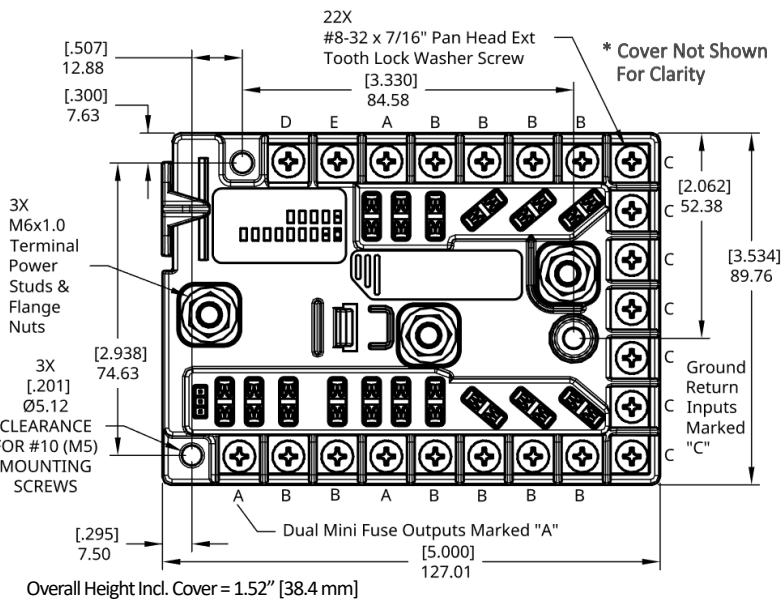
**DS7-DS9** sets delay between Off Trigger and Groups #3a & #3B Outputs OFF. 0 SEC Provides Ignition Switched, 24/7 provides constant power

**DS10-DS11** defines Low Voltage Disconnect (LVD) level, If enabled, (15 sec OFF delay if V<sub>Bat</sub> < setting), All outputs turn off including 24/7 configured. Ignition Input at +Vdc overrides this function.

**DS12** determines whether the Output Groups utilize Input Terminal Voltage Sense to turn on or trigger Off time delay. This allows PDM operation without external ignition input signal. If DS12=ON, PDM will turn switched outputs ON if Input Terminal V > 13.0 (26.0), and trigger OFF Time delay if Terminal V < 12.8 (25.6).



## Dimensions

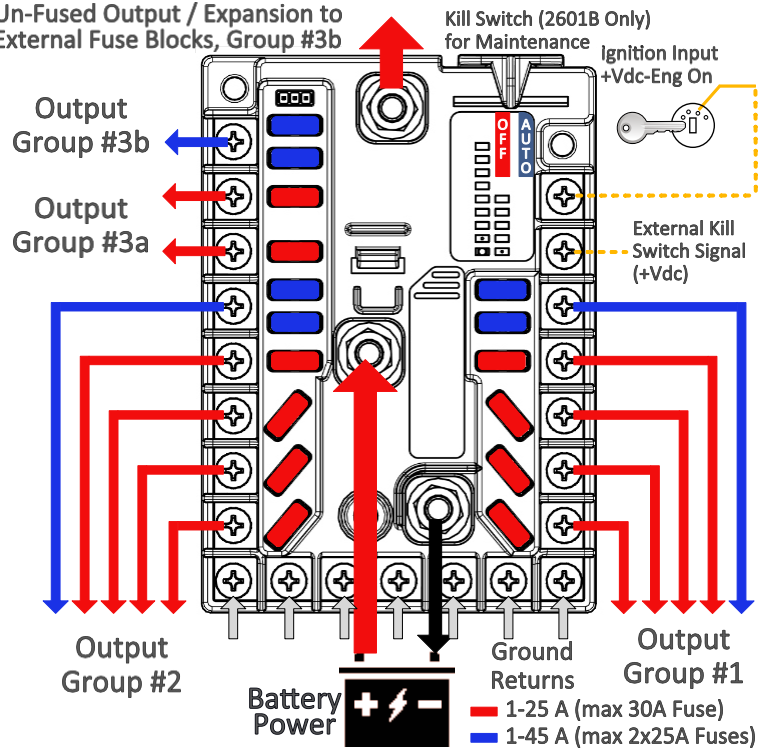


## Specifications

Nominal Voltage (Vdc)	12	24
Input Voltage Range (Vdc)	8.0-18.0	16.0-36.0
Continuous Current (Total)	175 A	
Max Current per Group (#1 & #2)	75 A	
Max Current Group #3a	40 A	
Max Current Group #3b	75 A	
Max Output Current (Single / Parallel)	25 A / 45 A	
Operating Current Draw (Active)	30 mA	
Operating Current Draw (Hibernation)	1.5 mA	
Cable Size to Meet Ratings	1 AWG (45 mm <sup>2</sup> )	
Maximum Cable Size	1/0 AWG (55 mm <sup>2</sup> )	
Hardware Material	Stainless Steel Self-Locking	
Terminal Stud Torque / Max Torque	60 in-lbs / 80 in-lbs	
Time Delay Range (via Dip Switches)	0 Sec - 10 Hr + 24/7	

## System Diagram

Un-Fused Output / Expansion to External Fuse Blocks, Group #3b



## Methods of Operation

PDM Outputs turn ON immediately (if not already ON) if:

- 1) Key Ignition Input > 8 Vdc or
- 2) V<sub>sense</sub> = On and Battery Voltage > 13.0 Vdc

PDM Output Groups turn OFF Individually after Respective Dip Switch Time Delay Setting (DS1-DS9) if:

- 1) Key Ignition Input < 8 Vdc and V<sub>sense</sub> = Off or
- 2) Key Ignition Input < 8 Vdc and Input V<sub>sense</sub> = On and Battery Voltage < 12.8 Vdc

PDM Under-voltage / Over-voltage Protection:

- 1) If DS10 or DS11 = ON, will turn OFF ALL PDM-14 Outputs if Aux Input Terminal Voltage < LVD Setting or > 17.5 Vdc for 15 seconds
- 2) Will NOT turn OFF outputs if Ignition ON Signal Input > 8 Vdc

PDM Kill Switch Functionality

- 1) PDM Output Groups ALL turn OFF immediately if External Kill Input > 8 VDC or if slide kill switch is moved to the OFF position.
- 2) Will turn OFF outputs regardless of Ignition ON Input Signal

Fuse Blown Indicator, Output ON/OFF, & System Error Indicators

- 1) Continuous ON LED : Output On
- 2) Continuous OFF LED: Output Off
- 3) Slow Double Flash: Output ON but in OFF Time Delay for or for Over-Temp Time Delay or for Over/Under Voltage Time Delay
- 4) Rapid Double Flash: Local or remote Kill Switch Enabled
- 5) Slow Single Flash: Output OFF due to Over Voltage/Over Temp
- 6) Rapid Continuous Flash: (blown / removed fuse on output)
- 7) Slow Single Flash: Output OFF due to Over Voltage/Over Temp

Part Numbers	Resell Pack	Bulk Pack
PDM14 W/Kill Switch, 12 Vdc	2601	2601B
PDM14, 12 Vdc	2602	2602B

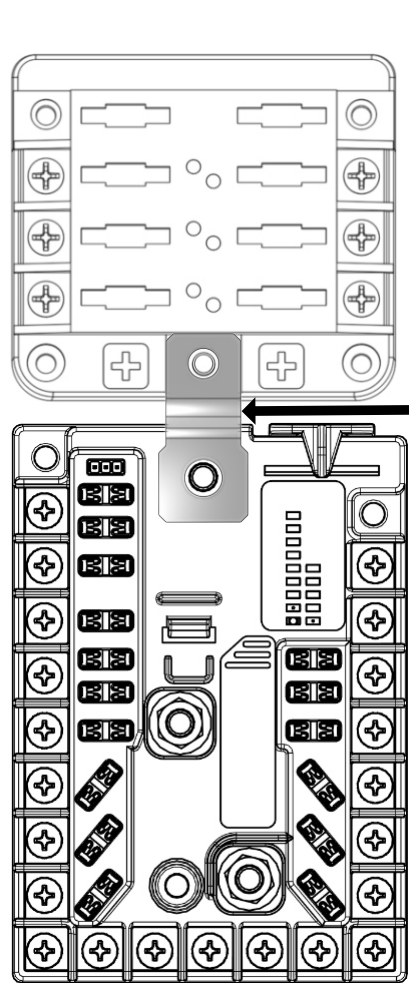
\* Custom product configurations available, contact us at support@egismobile.com for more information



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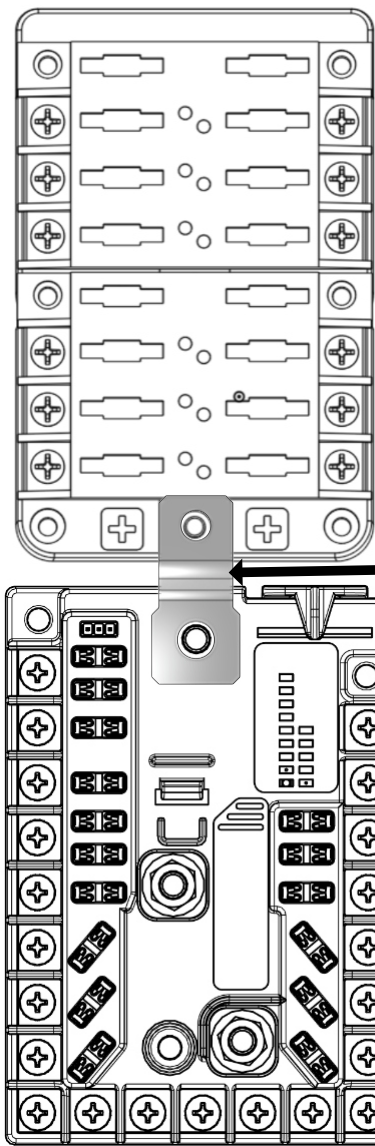




**8028B**  
RT Series 6 ATC/ATO  
Circuit Fuse Block,  
Ignition Switched  
(optional Time Delay)

**901466**  
Busbar, Offset  
Switched Power Side

**PDM-14**  
13 MINI Fused  
Outputs (Ten @ 1-  
25A, Three @ 1-45  
Amps) + One  
Expansion Output,  
175A, 3 Output  
Groups



**8029B**  
RT Series 12 ATC/ATO  
Circuit Fuse Block,  
Ignition Switched  
(optional Time Delay)

**901466**  
Busbar, Offset  
Switched Power Side

**PDM-14**  
13 MINI Fused  
Outputs (Ten @ 1-  
25A, Three @ 1-45  
Amps) + One  
Expansion Output,  
175A, 3 Output  
Groups

