

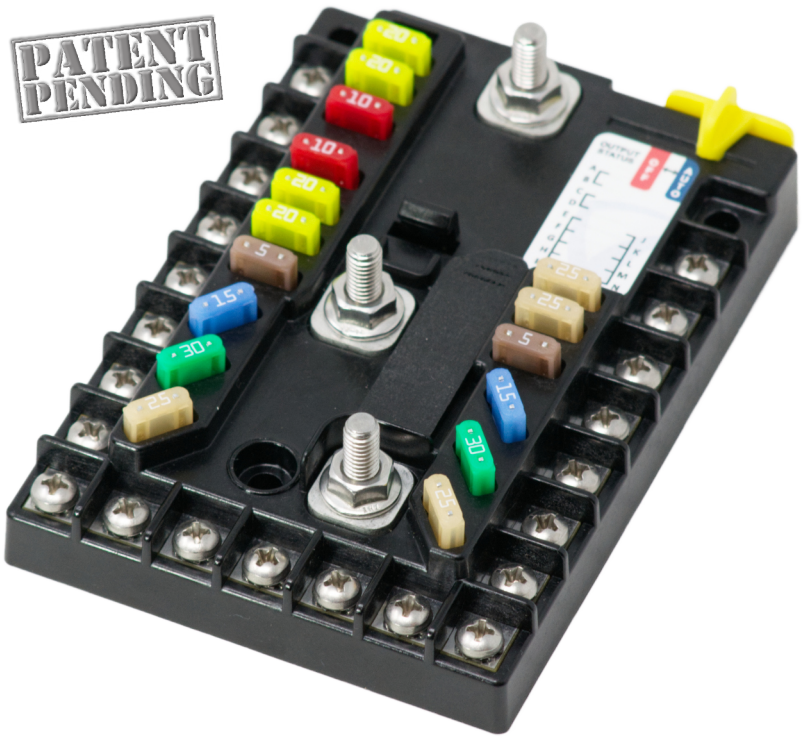
**Ultra Compact Solution** Combines 24/7 Power, Ignition Switched Power, and Time Delay Switched Off Power for Intelligent Battery Protection. Also Includes Fused Wire Protection, a Ground Return Buss, and an Optional Manual Kill Switch.

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

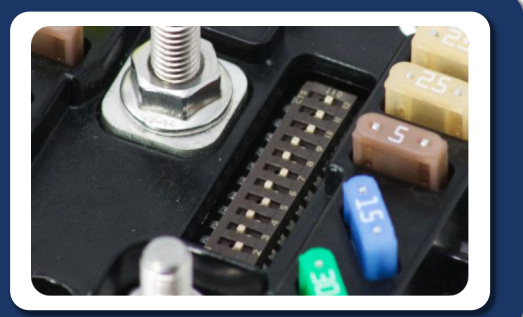
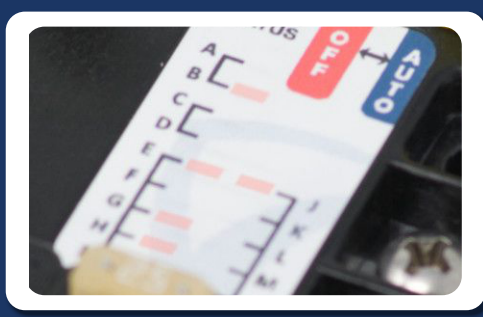
**Three (3) High-Amp (1-45A) Outputs** Allow Protection of All Incremental Circuits Within One Complete Solution

**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*



*Protective Cover Included*

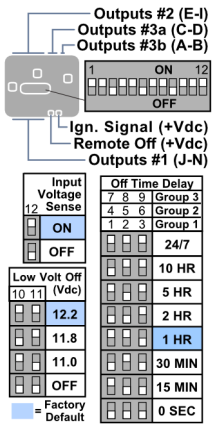


**P/N: 2601B**

-  **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

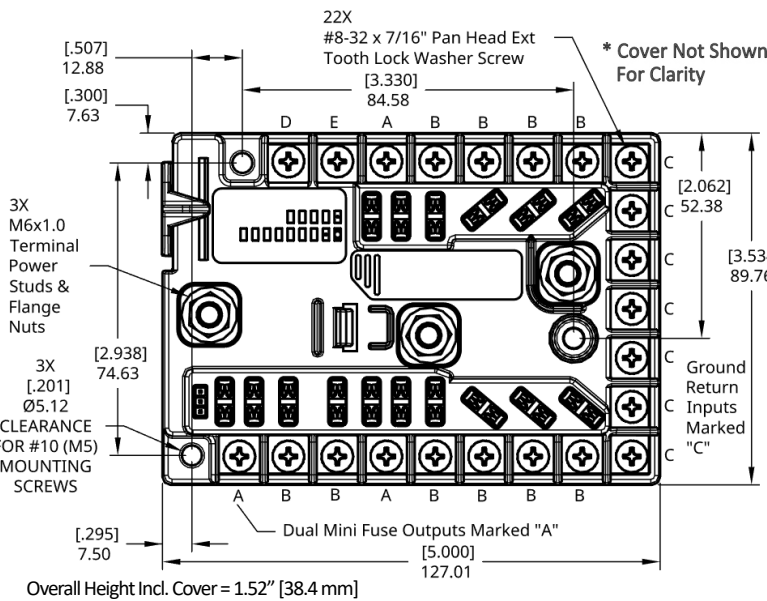
**DS4-DS6** sets delay between Off Trigger and Group #2 Outputs OFF. 0 SEC Provides Ignition Switched, 24/7 provides constant power

**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, and trigger OFF Time delay if Terminal V < 12.8.

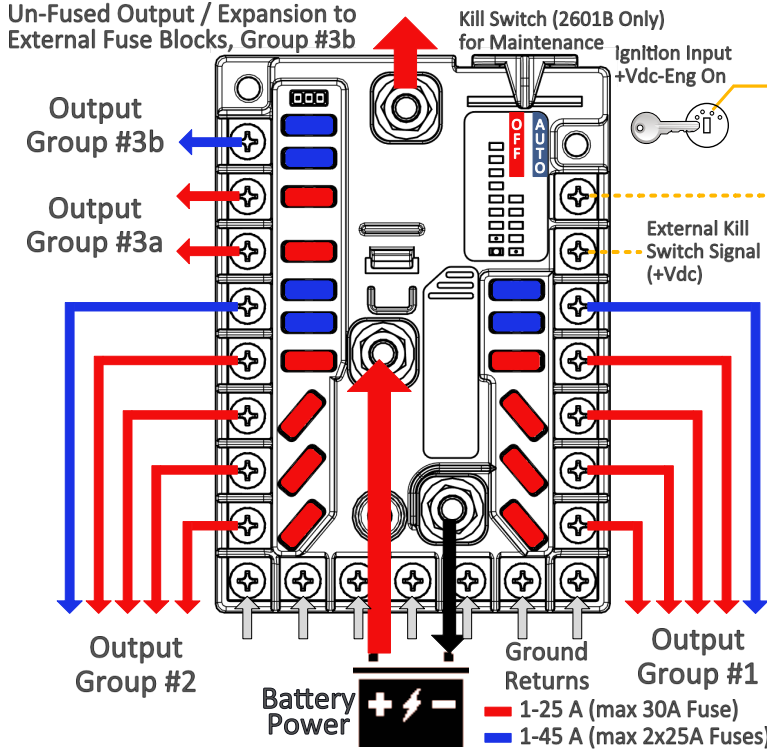
# Dimensions



# Specifications

Nominal Voltage (Vdc)	12
Input Voltage Range (Vdc)	8.0-18.0
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 (All Groups On)	30 mA
Operating Current Draw (Hibernation)	1.3 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



# 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 or Over-Temp Time Delay or 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)

Part Numbers	Resell Pack	Bulk Pack
PDM-14 w/Kill Switch, 12 Vdc	2601	2601B
PDM-14, 12 Vdc	2602	2602B

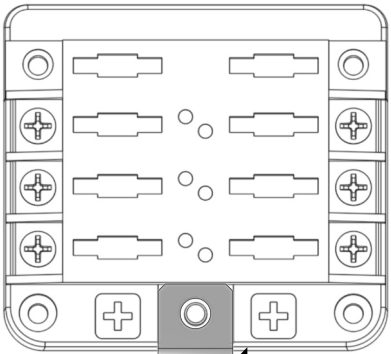
\* Custom product configurations available, contact us at support@egismobile.com for more information



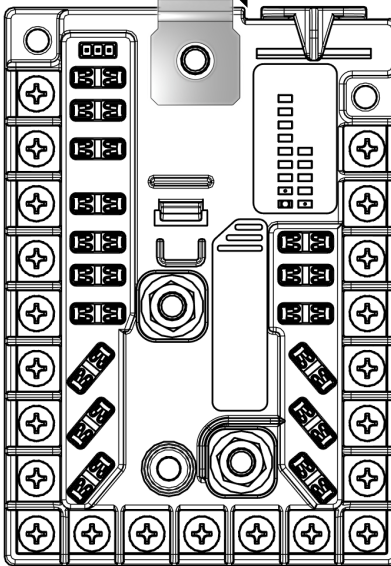
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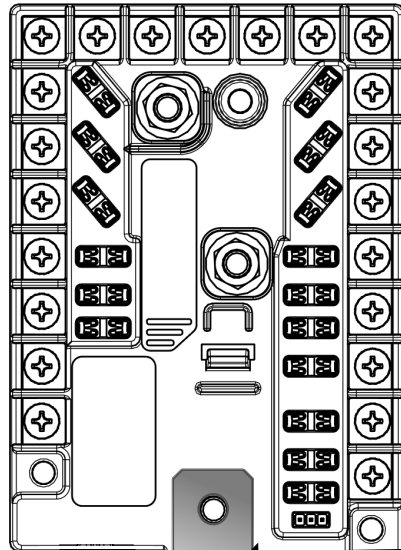




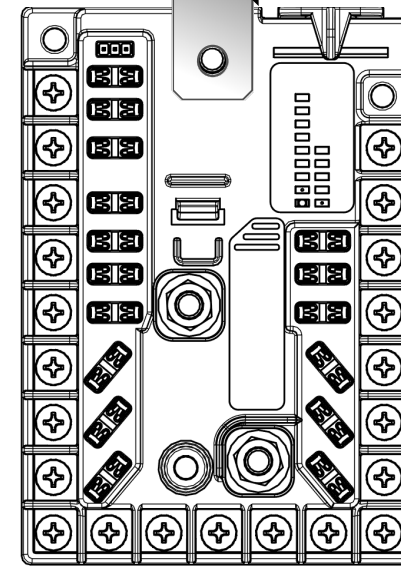
**8028B**  
RT Series 6 ATC/ATO  
Circuit Fuse Block,  
Ignition Switched  
(optional Time Delay)



**901466**  
Busbar, Offset  
Switched Power Side



**8034B**  
13 Circuit Plus Ground  
Single Input Mini-ATM  
Fuse Block



**901262**  
Busbar, Switched  
Power Side

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

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