

**Enables** orderly turn on events minimizing operator interaction. Turning an output On based on either a rising or falling voltage from an input line

**Delivers** a reliable output power after an optional programmable amount of time (delay), the duration of power output time is also programmable.

**High Amperage** design lessens the need for additional relays and complicated wiring.

**One Shot ON** provides single turn on event per voltage trigger for desired loads. After One Shot Time is completed, input will need to establish a new "rising" or "falling" edge in order for an additional One shot to be enabled.



**Ultra-Low Power Draw** eliminates vehicle downtime due to dead batteries. Lowest off-state current draw (1.3 mA).



**Adjustable Time Delay Before Output Turns ON** (0 sec - 30 sec) allows for flexibility in system implementation to meet specific timing requirements.



**Diagnostic Feedback** via on-board multi-color LEDs



**Meets Stringent OEM Standards** for electrical transient self-protection



**Adjustable ON Duration:** (1 sec - 20 sec) provides flexibility for systems with different power delivery duration requirements.



**Bullet-proof Construction:** Sealed unit, high temperature materials allow mounting anywhere on vehicle. Integrated thermal overload protection

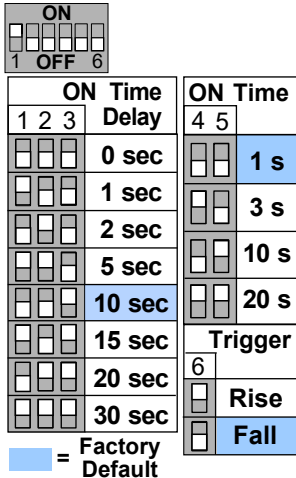
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**4 Year Industry Leading Warranty**

## Dip Switch Setting Options & Features

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

***\*\* Use of Ignition On signal strongly recommended for all first responder installs to ensure rapid relay ON and maximize up-time in adverse situations.***

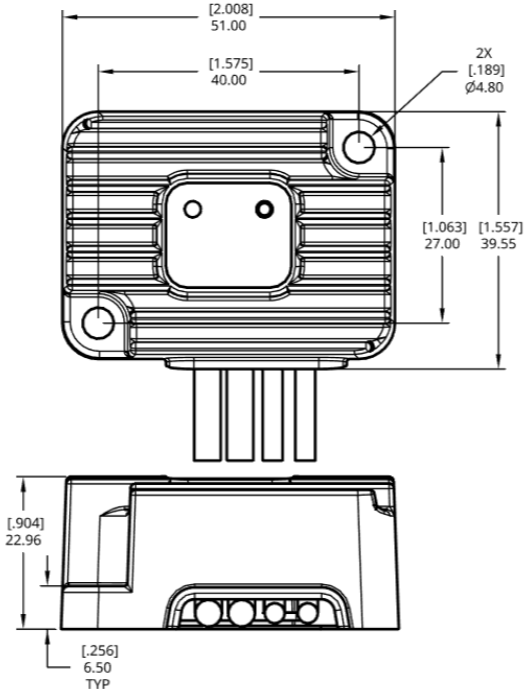


**DS1-DS3:** Determines time delay between registering a Trigger signal on the yellow control input and the Output of device turning on (+Vdc) per table to the left. Each combination of three dip switches (on or off) result in a unique On time Delay

**DS4-DS5:** Determines the Output ON duration before the device automatically turns the output OFF per table to the left. Once output is OFF, it can not be turned on until a new Trigger signal is received.

**DS6:** Determines the type of Trigger signal on the yellow control input wire which will trigger the ON Time Delay. The Rise setting will register a Trigger when the input wire voltage has changed from 0 Vdc / Floating to +Vdc. The Fall setting will register a Trigger when the input wire voltage has changed from +Vdc to 0 Vdc / Floating

## Dimensions



## Methods of Operation

**Output turns On after On Time Delay Setting (DS1-DS3) if:**

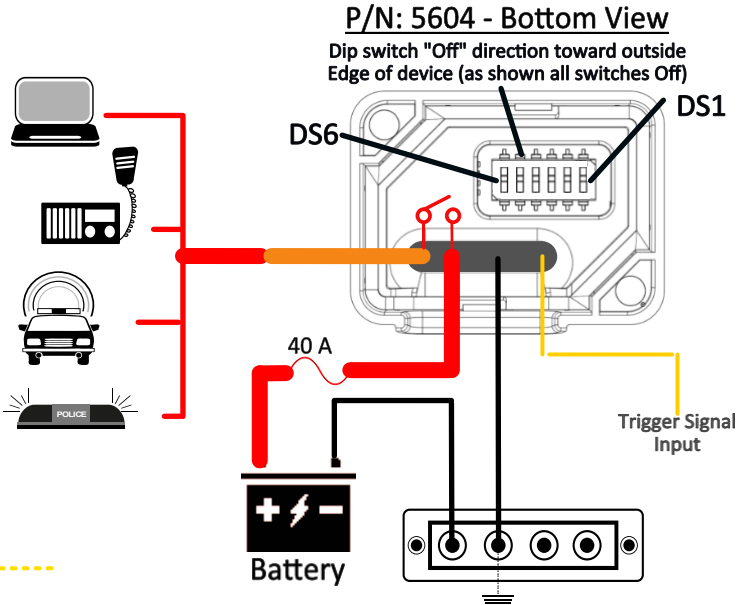
- 1) DS6 = ON and Yellow Input Wire Voltage Rises from less than 8.0 Vdc to greater than 10 Vdc or
- 2) DS6 = OFF and Yellow Input Wire Voltage Falls from greater than 10 Vdc to less than 10 Vdc

### Output Turns OFF after ON Time Setting (DS4 - DS5)

**Device is a “One Shot” Relay, and Responds ONLY to the Designated Rising or Falling Voltage on the Yellow Control Signal Wire.**

**Additional One Shot ON Events Require the Yellow Input Signal to Change Voltage State Twice Before Triggering Again. Example: A Rising Edge programmed 5604 will not re-close the output after a successful “One Shot; until the control signal voltage drops back below 8.0 Vdc and then the voltage Rises back to above 10.0 Vdc**

## System Diagram



## Specifications

Nominal Voltage (Vdc)	12
Input Voltage Range (Vdc)	8.0-18.0
Max Continuous Current (Amps)	30
Installed Fuse (Ampere Rating)	40
Over Voltage Protection (Vdc) (15 sec)	17.0
Operating Current Draw (mA)	15
Operating Current (mA) Standby / Open	1.3
Input Wire Size (Red)	12 AWG / 18 in.
Output Wire Size (Orange)	12 AWG / 24 in.
Ignition Wire Size (Yellow)	18 AWG / 24 in.
Ground Wire Size (Black)	18 AWG / 24 in.
Housing Material	Glass-Filled Polycarbonate
Min Source Current (Yellow Signal Wire)	10 micro-Amps

## Part Numbers

## Bulk Pack

## PT Series On Delay One Shot Relay

5604B

**\* Custom 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 us at [support@egismobile.com](mailto:support@egismobile.com) for more information**

## Related Part Numbers

## Resell Pack

## Bulk Pack

PT Series On Delay Single Output Relay		5603B
PT Series 30 Amp Time Delay Relay		5601B
PT Series 30 Amp 24V Time Delay Relay		5601-24B
RT Series 6 Position Fuse Block	8028	8028B
RT Series 6 Pos Fuse Block w/Gnd	8025	8025B



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