

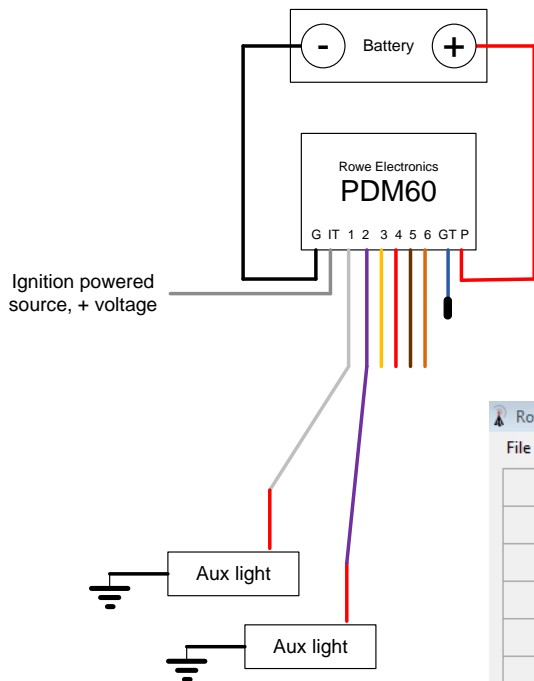
Installation Examples

The PDM60 can be programmed and installed in multiple ways. These wire diagrams are intended to help with some of the more common installations. The output wires and ground are all 16ga wire. The main power wire is 10ga.

Ignition Trigger with start delay

In this example all 6 circuits are set to ignition trigger with a 7 second activation delay. Circuit 1 and 2 are shown powering auxiliary lights. Circuits 3-6 are also live and available to connect to accessories. The blue ground trigger wire is not used and does not need to be connected to anything. Unused live circuits can be capped with heat shrink and routed out of the way for future use or changed to "inactive" through programming. The gray ignition trigger will connect to a source that is live when the ignition is on.

Behavior: All of the PDM60 leds will turn green 7 seconds after the ignition is turned on. The green led indicates the circuit is "on" and supplying power. The auxiliary lights will turn on 7 seconds after the ignition is turned on and stay on until the ignition is turned off.



Rowe Electronics PDM60 Dashboard

File Help

	Switching Mode	Current Limit
Circuit 1	Ignition Trigger	5
Circuit 2	Ignition Trigger	5
Circuit 3	Ignition Trigger	10
Circuit 4	Ignition Trigger	15
Circuit 5	Ignition Trigger	15
Circuit 6	Ignition Trigger	10

Show wire colors

Shutoff Delay Time (seconds): 0

Startup Delay Time (seconds): 7

Total Current = 60

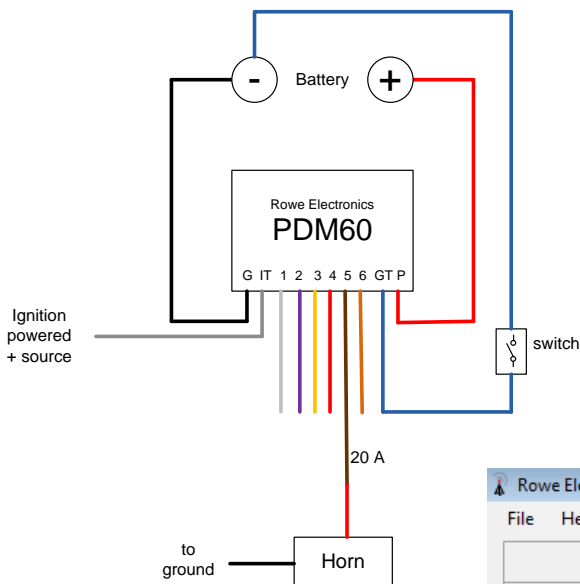
Program Status: Waiting...

Installation Examples Continued

High Powered Horn (ground trigger)

In this example circuits 1,2,3,4 and 6 are set to ignition trigger and circuit 5 is set to ground trigger at 20 amps. All circuits are set to a startup delay of 7 seconds. Circuit 5 connects directly to the positive lead of the horn. The blue ground trigger wire needs to connect to an on/off switch that connects to common ground. The gray ignition trigger will connect to a source that is live when the ignition is on.

Behavior: Circuits 1,2,3,4 and 6 will turn green and circuit 5 will turn orange 7 seconds after the ignition is turned on. The green led indicates the circuit is "on" and supplying power. The orange led indicates the circuit is inactive. When the horn switch is pressed the led on circuit 5 will turn green and the horn will sound instantly. If the ignition is off the horn will still sound after pressing the switch for 7 seconds (or whatever the startup delay is set to).



Rowe Electronics PDM60 Dashboard

File Help

	Switching Mode	Current Limit
Circuit 1	Ignition Trigger	5
Circuit 2	Ignition Trigger	5
Circuit 3	Ignition Trigger	10
Circuit 4	Ignition Trigger	15
Circuit 5	Ground Trigger	20
Circuit 6	Ignition Trigger	5

Show wire colors

Shutoff Delay Time (seconds): 0

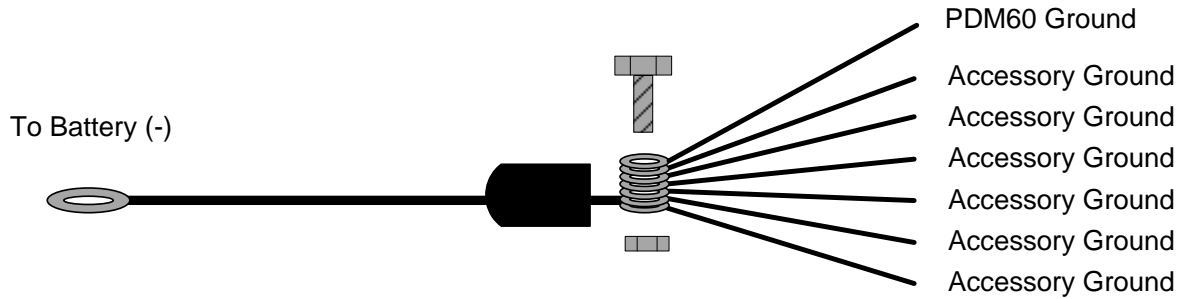
Startup Delay Time (seconds): 7

Total Current = 60

Program Status: Waiting...

Installation Examples Continued

A ground bus option is supplied with the PDM60 to help further reduce the number of wires connecting to your battery. The combine the ground wire ring terminals on the bolt and secure them with the nut. Slide the vinyl boot over the bolt and connect the battery end to the battery.



For more information on how to use the posi-tap and posi-locks refer to the posi-products.com website



Posi-tap



Posi-lock

General wire connection information

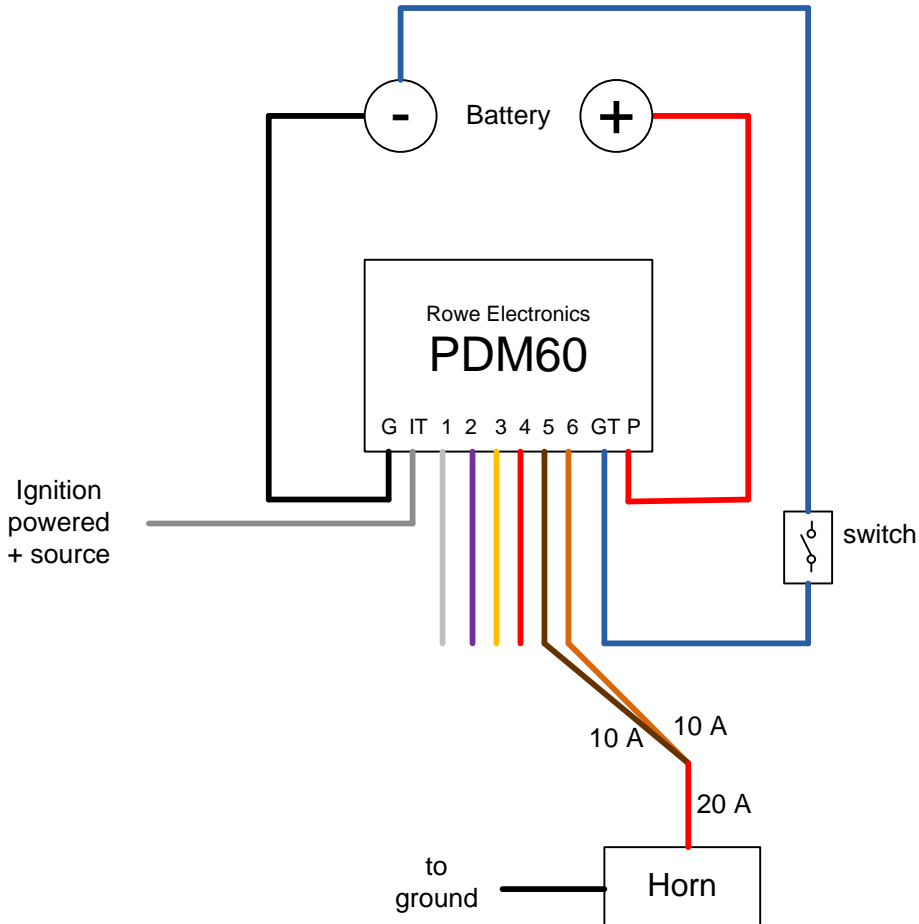
If you make connections by soldering wires together, tin the copper wire first to make a nice connection. Be sure to cover your soldered joint with heat shrink. Electrical tape may still allow moisture to corrode the wire.

If you crimp on a ring terminal or connector it's best to use the appropriate crimp tool. Always check your crimp by pulling on the terminal to ensure a solid connection. Heat shrink may keep the terminal in place but it can also hide a poor crimp or broken wire. When troubleshooting you should inspect any connection that has heat shrink.

Never twist wires together to make a connection

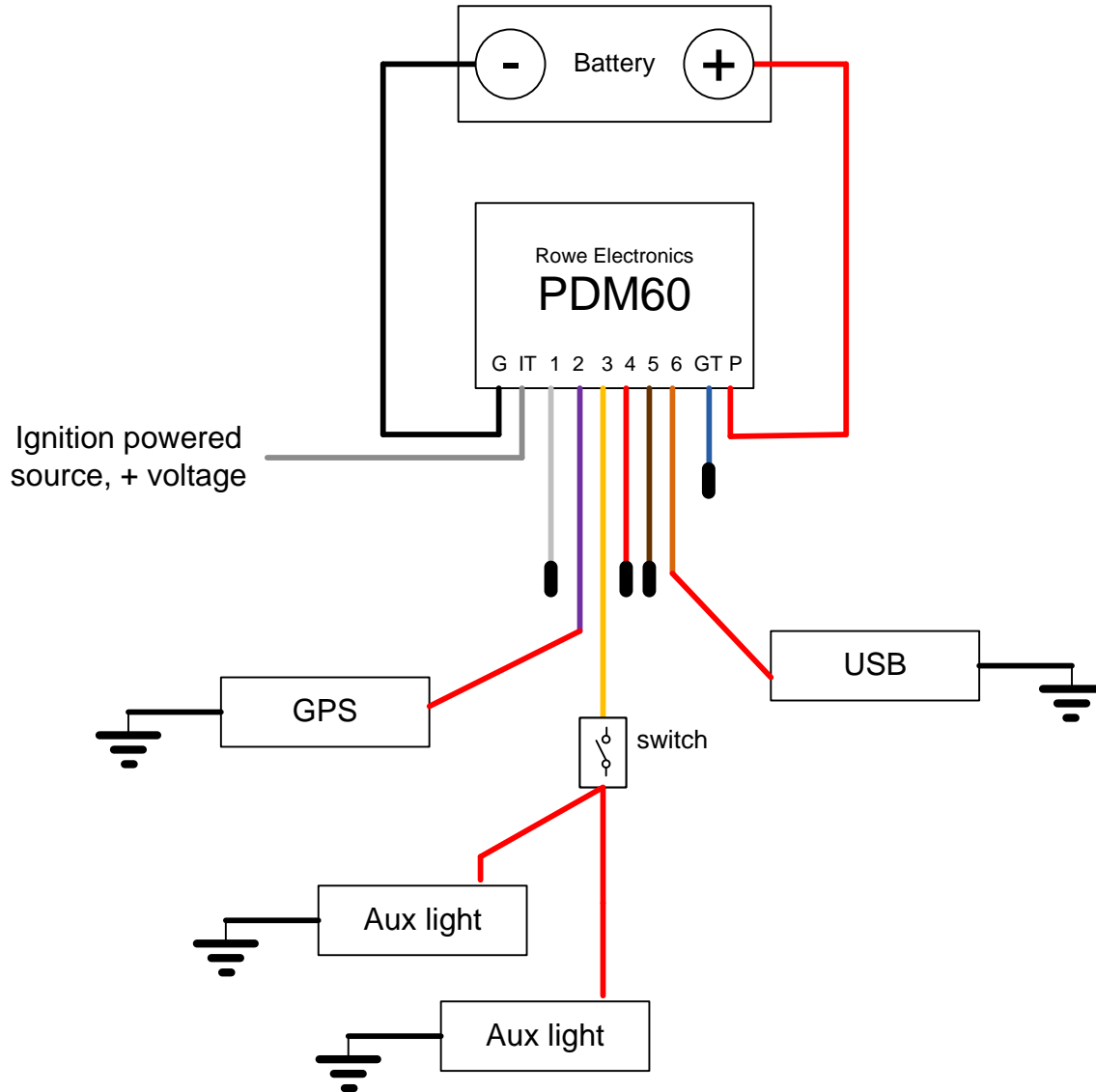
Installation Examples Continued

This is an example of a 2 to 1 ground trigger.



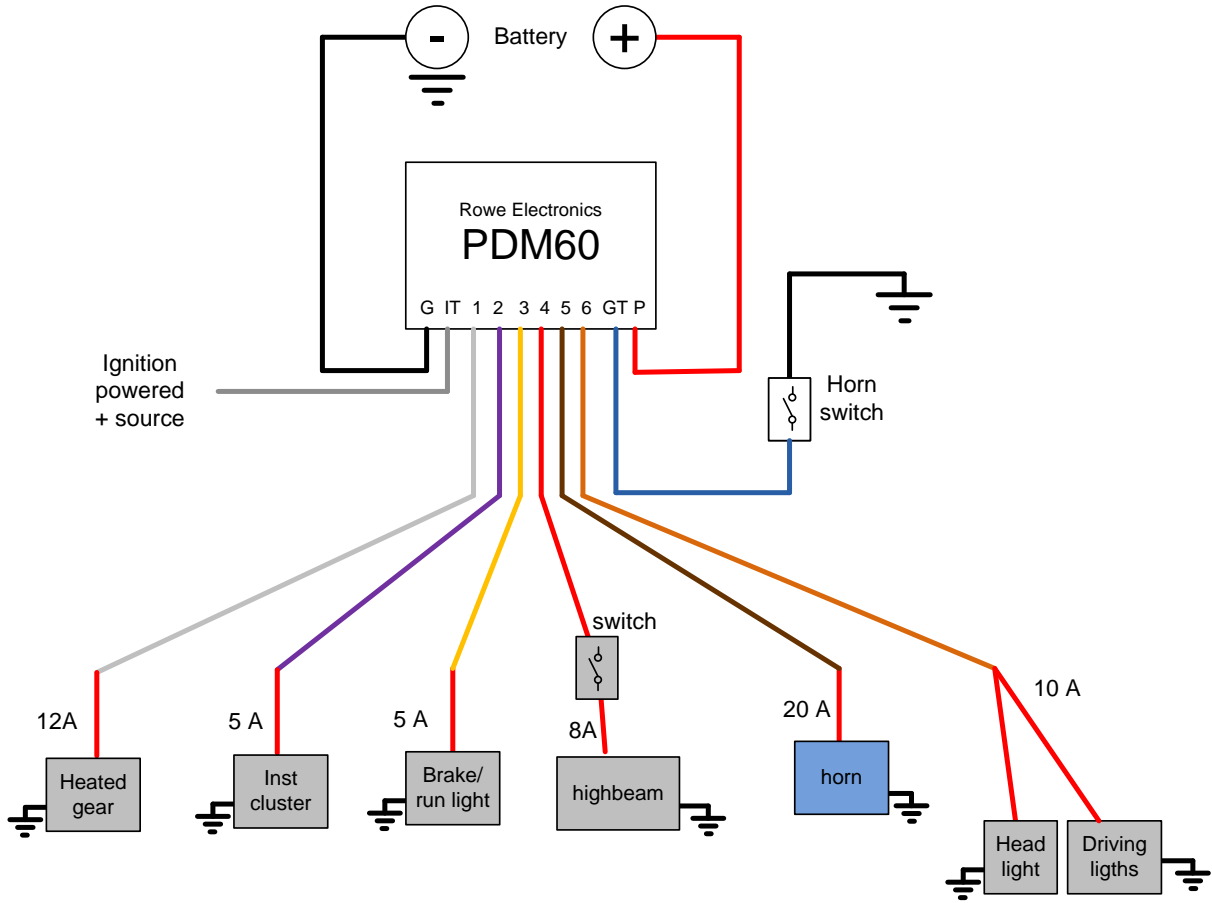
Installation Examples Continued

Switched light example



Installation Examples Continued

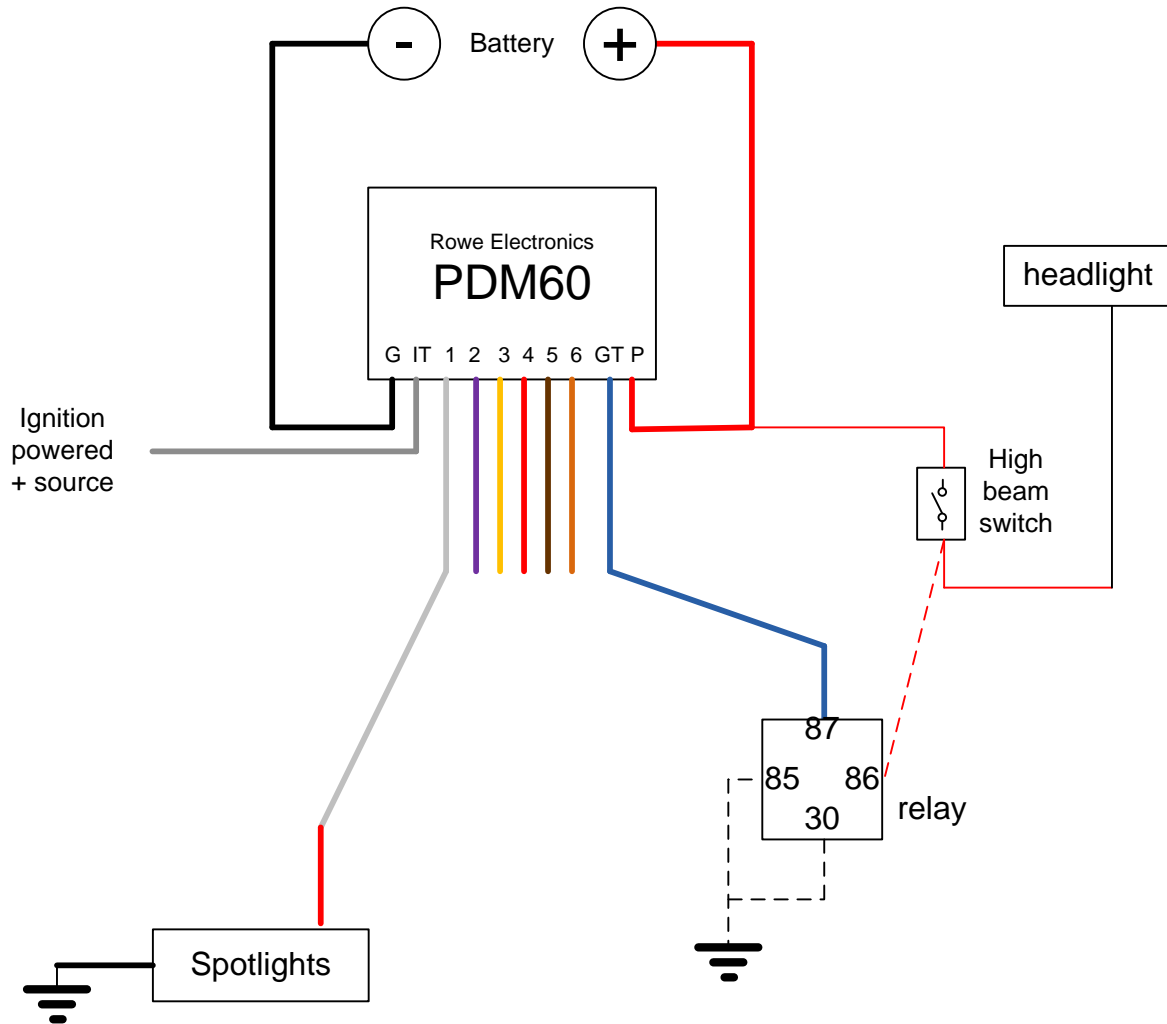
Possible re-build example



Outputs 1,2,3,4,6 are activated by the ignition trigger, the manual switch allows for independent control of the motolights

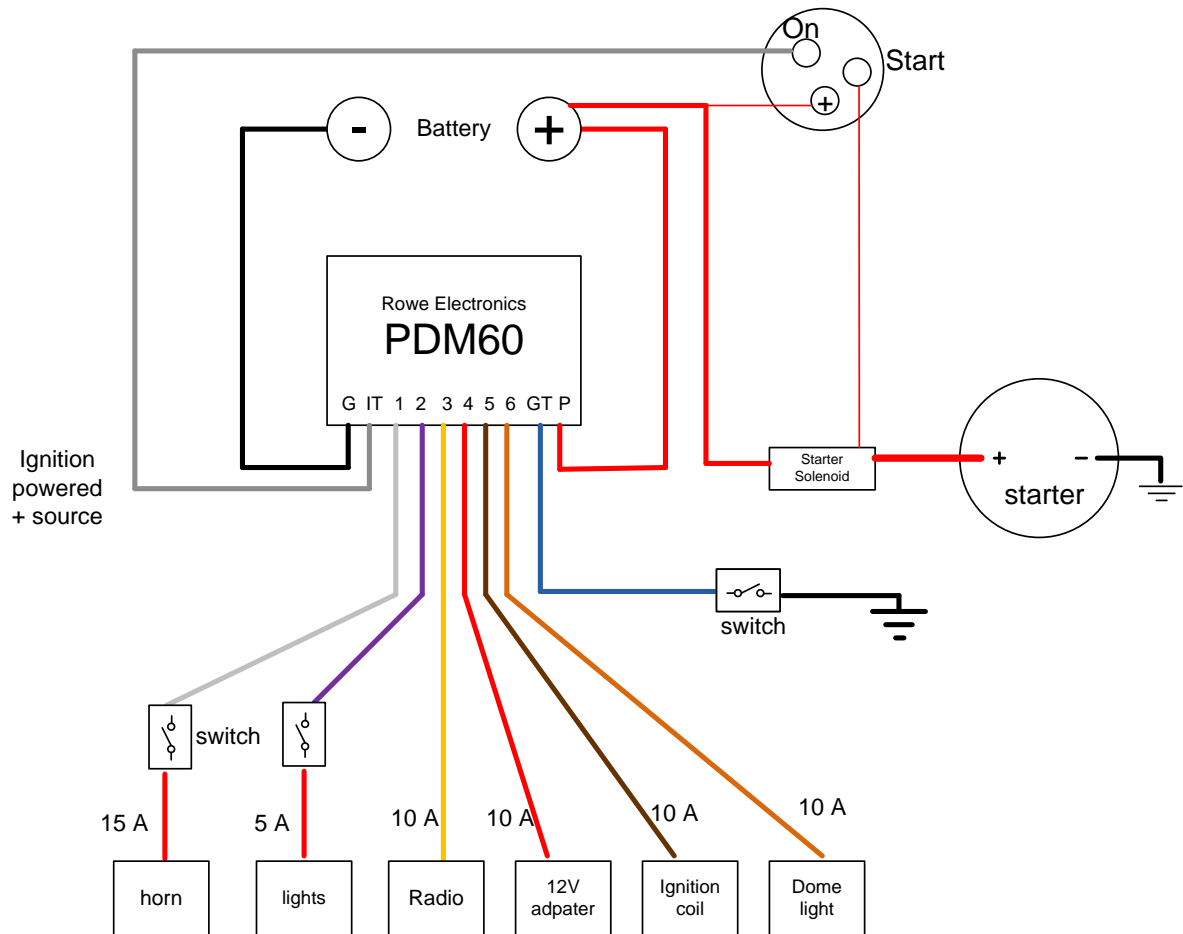
Output 5 is controlled by the ground trigger switch

Installation Examples Continued



In this example, the spot lights on output 1 are triggered using the “ground trigger” input that is switched with the OEM high beam switch. The + output of the high beam switch needs to be converted to ground through a relay. Output 1 needs to be programmed to “ground trigger.”

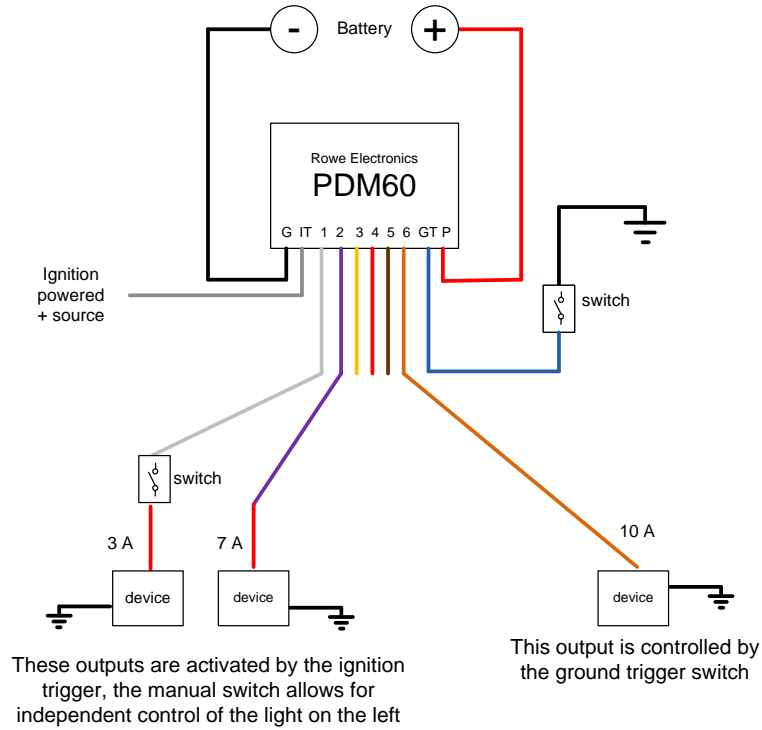
Installation Examples Continued



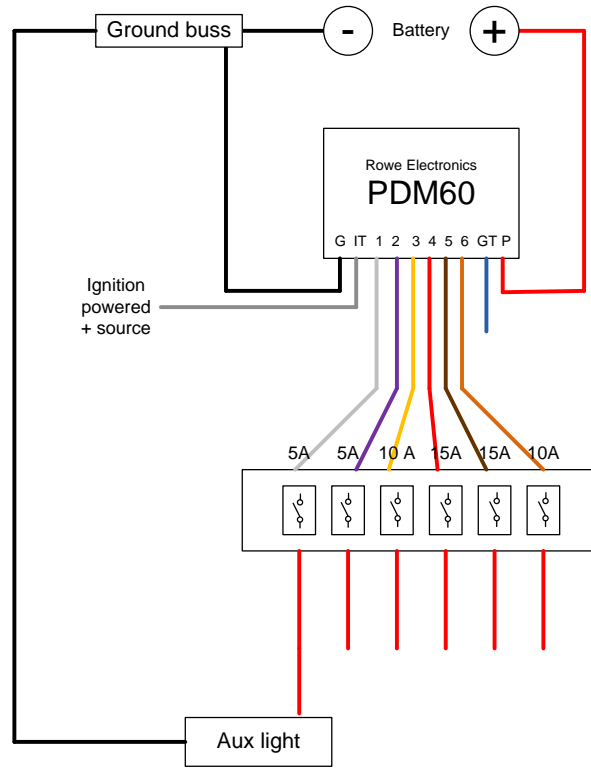
Circuits 1-5 are set to "ignition trigger." Circuits 1 and 2 have a switch installed allowing the circuit to be turned on or off independently. Circuits 3-5 will have constant power to the ignition, radio, and 12V adapter. Circuit 6 is set to "ground trigger." A door switch connecting to ground could be used to turn on an interior light when the door is open even if the ignition is off.

Installation Examples Continued

Various examples of installation possibilities

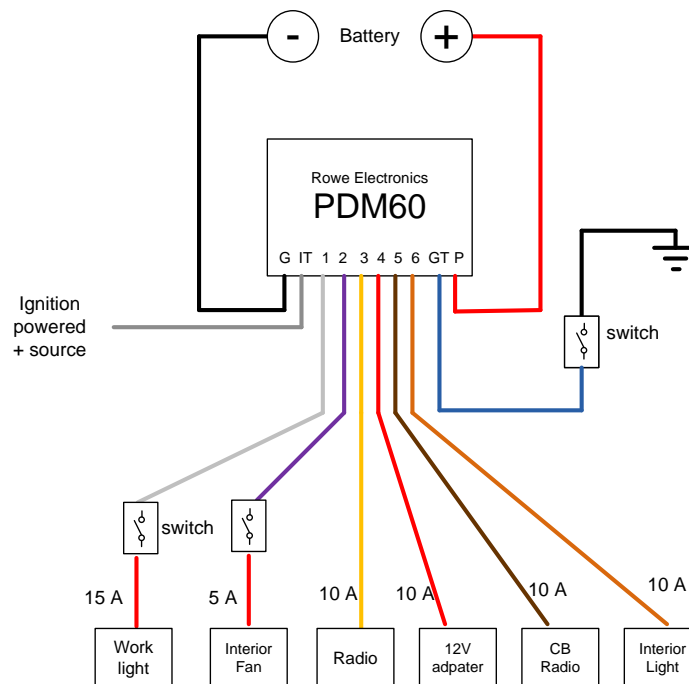
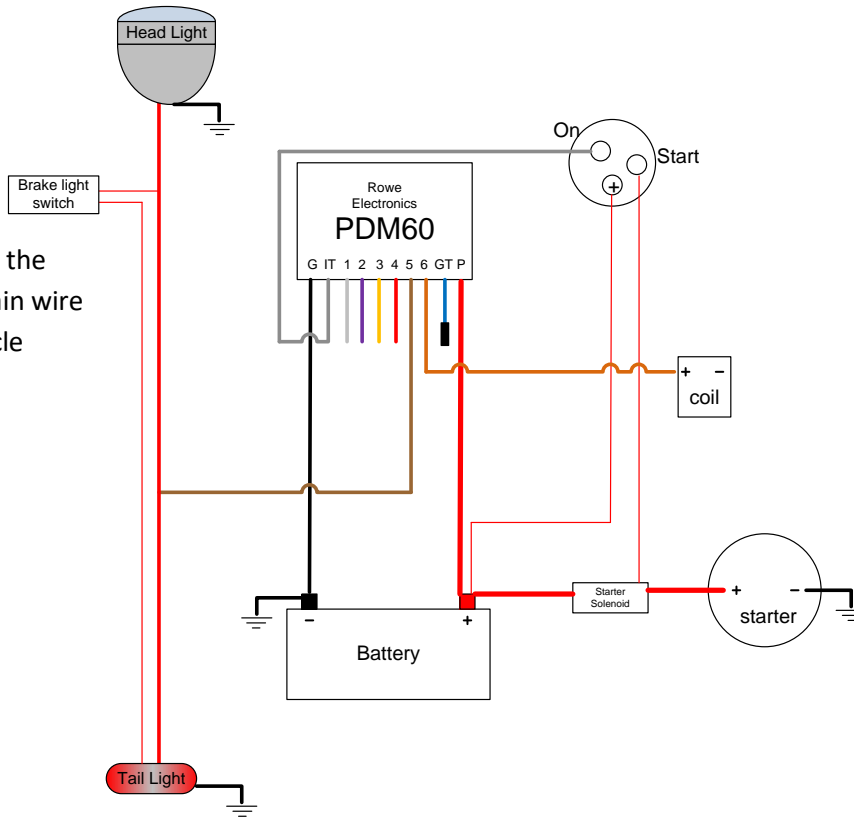


Installation Examples Continued



Installation Examples Continued

Possible installation of the PDM60 as a simple main wire harness on a motorcycle



Circuits 1-5 are set to "ignition trigger." Circuits 1 and 2 have a switch installed allowing the work light and interior fan to be turned on or off independently. Circuits 3-5 will have constant power to the devices like a radio, cb radio, and 12V adapter.