

## Vehicle Power Switch / Shutdown Timer (VPS-1 Kit)

The Vehicle Power Switch is necessary to allow a Seeker, Seeker GPS, or Seeker BB-2 which does not feature “Green Engineering” battery protection circuitry to power down after a pre-programmed number of hours. This function allows the Seeker GPS or Seeker BB-2 to upload leakage data to the LAW application via the Wi-Fi connection, and prevents the leakage detector from depleting the vehicle’s battery when left unattended for long periods of time. “Green Engineering” hardware is identified with a logo on the Mobile Mount, or on the Seeker BB-2.

The following steps provide detailed instructions on how to install the Seeker family Vehicle Power Switch (VPS-1) with Seeker, Seeker GPS, or Seeker BB-2 leakage detectors which do not feature the “Green Engineering” battery protection circuitry.

1. At the Mobile Mount or Seeker BB-2, disconnect the power cable from device.
2. Install the Vehicle Power Switch inside the cab of the truck/van, within reach of the existing power cable.

**NOTE:** The Vehicle Power Switch is not weather-proof, and must be installed inside the vehicle, where it will be protected from moisture.

3. Re-route the power cable to the Vehicle Power Switch.

**NOTE:** Do not connect the Vehicle Power Switch to a power source greater than 15 Volts. Any voltage greater than 15 V could cause damage to the Vehicle Power Switch.

4. Route the cable included with the Vehicle Power Switch from the switch to the Mobile Mount or Seeker BB-2.



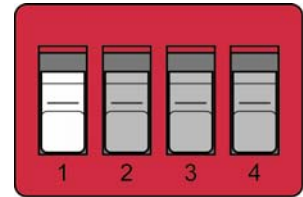
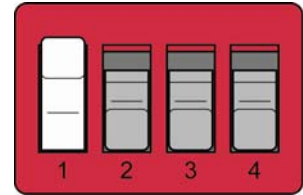
**NOTE:** This illustration shows the white wire connected to an ignition-keyed power source. This is typical for “Green Engineering” installations of the Mobile Mount or Seeker BB-2, in which case the device features battery protection circuitry. On most installations, the white and red wires will have both been connected to the vehicle’s battery.

For Additional Help Contact  
Trilithic Applications Engineering  
1-800-344-2412 or 317-895-3600  
[support@trilithic.com](mailto:support@trilithic.com) or  
[www.trilithic.com](http://www.trilithic.com)

Vehicle Power Switch / Shutdown Timer (VPS-1 Kit)  
P/N 0010185000 – Rev 06/09  
1 of 3

Configure the power settings for the Vehicle Power Switch, using the DIP (Dual In-Line Package) switch.

5. Position the left-most rocker switch in the UP position to allow the ignition (white) wire to bypass the Vehicle Power Switch's countdown timer function. In this configuration, the Vehicle Power Switch (and the Mobile Mount or Seeker BB-2) will power up when the vehicle's ignition is turned on, and will re-enable the timer function when the vehicle's ignition is turned off.
6. Position the left-most rocker switch in the DOWN position to ignore the ignition (white) wire. In this configuration, the Vehicle Power Switch (and the Mobile Mount or Seeker BB-2) will power up when the vehicle is running and will power down only after the vehicle's ignition is turned off *and* the countdown timer has expired.

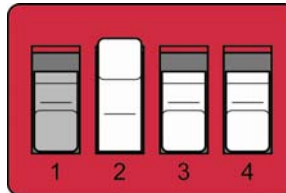


Configure timer settings for the Vehicle Power Switch, using the DIP (Dual In-Line Package) switch.

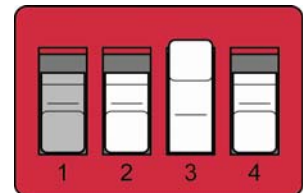
7. Using the three right-most rocker switches, set the Vehicle Power Switch's countdown timer for the number of hours (1 to 7) to remain powered on, after the vehicle's ignition is turned off. Refer to the following illustrations to set the Vehicle Power Switch's countdown timer:



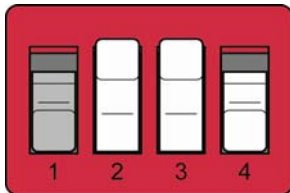
0 hours



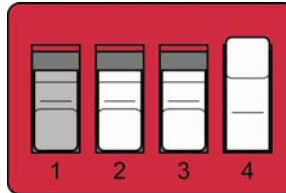
1 hour



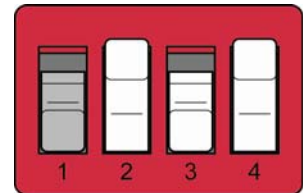
2 hours



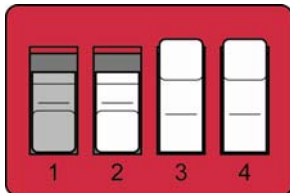
3 hours



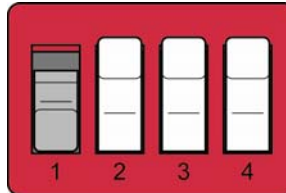
4 hours



5 hours



6 hours



7 hours

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Vehicle Power Switch / Shutdown Timer (VPS-1 Kit)  
 P/N 0010185000 – Rev 06/09  
 2 of 3



### LED Power Status Indicator

- When the vehicle's ignition and the Vehicle Power Switch are ON, the LED will be steadily illuminated green.
- When the vehicle's ignition is turned OFF, triggering the Vehicle Power Switch's countdown timer (and the countdown timer has not yet expired), the LED will flash green for one second, then off for one second.
- With the vehicle's ignition OFF and when the Vehicle Power Switch's countdown timer expires, the LED will be off.

### Low Battery Protection Feature

- The Vehicle Power Switch features a voltage sensing circuit which will power down the switch and the Mobile Mount or Seeker BB-2 if the vehicle battery's voltage drops below 10.5 Volts. This feature will protect the vehicle's battery from being depleted.
- Should the vehicle battery's voltage drop below 10.5 V, the green status LED on the Vehicle Power Switch will briefly flash, once per second, for 15 seconds. After 15 seconds, the Vehicle Power Switch and Mobile Mount or Seeker BB-2 will power down.

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Vehicle Power Switch / Shutdown Timer (VPS-1 Kit)  
P/N 0010185000 – Rev 06/09  
3 of 3