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**Warranty Conditions:** Our products come with guarantees that cannot be excluded under the Australian Consumer Law. The customer is entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. The customer is also entitled to have the products repaired or replaced if the products fail to be of acceptable quality and the failure does not amount to a major failure. GSL Electronics (GSL) warrants that its products will, under normal use and service, be free of defects in material and workmanship for a period of two (2) years from the date of the original purchase by the customer as marked on the customer's original invoice. Please refer to our website for full warranty and return information which can be found at <http://www.gsl.com.au/faq.html>

### BMS 12-L and BMS 24-L 12V and 24V LED Battery Master Switches

Please read these instructions carefully before use.

#### ON-OFF Indicator:

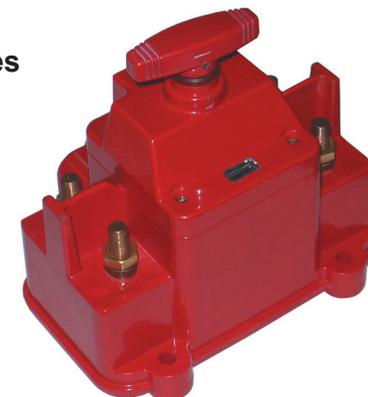
Green LED Lights when unit is ON and turns off when unit is turned OFF.

#### Installation:

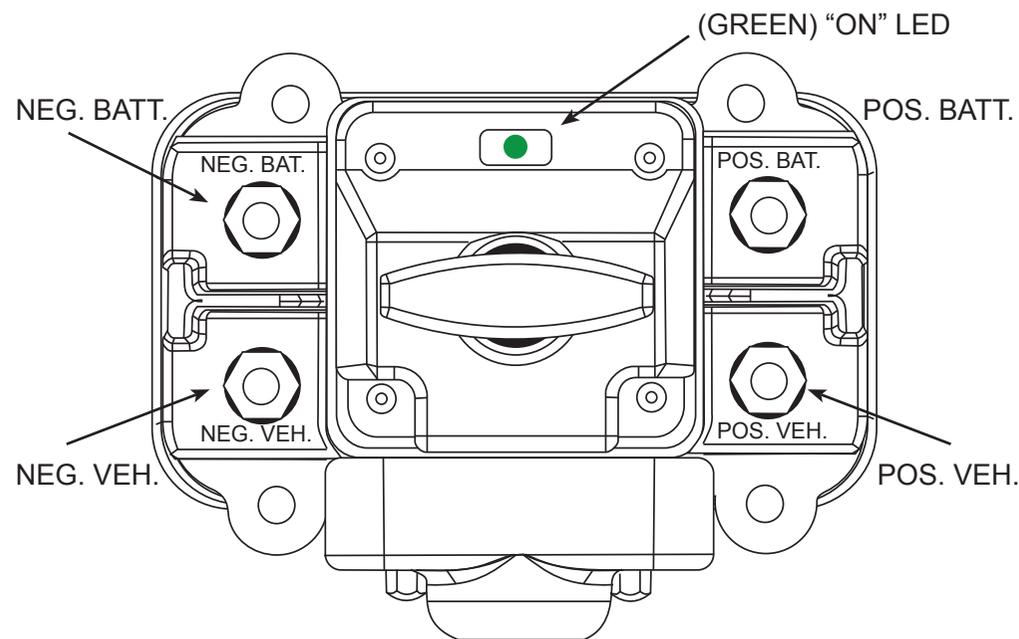
This Battery Master Switch must be mounted on a flat surface in an easily accessible position close to batteries so that the "LED" window is clearly visible.

Green LED indicates unit is in locked on position and NO LED indicates when switch is on unlocked position.

Using the base of the Master Switch as a guide mark and drill the four 8mm fixing holes. Secure in position with bolts, nuts and washers. The main battery leads need to be fitted with 10mm clearance eyelets and the auxiliary leads with 5mm eyelets. The use of petroleum jelly on the posts is recommended.



**NOTE: Do NOT Pressure Wash or mount in a location that is likely to be submerged in water or liquid.**



#### Terminal Configuration

Connect the main battery leads as per the above diagram, the use of rubber boots on the battery posts recommended.



### Auxiliary Terminals

A suitable hole must be drilled in the auxiliary cover plate and protective grommet installed to seal the cable entry point.

**Terminals 1 & 3** – are for use with alternators which do not include surge protection system in their design. A separate contact set opens just prior to the main contacts providing a circuit to be used in series with the alternator field circuit. This arrangement prevents high voltage surges which would occur if the alternator were charging with the main contacts open.

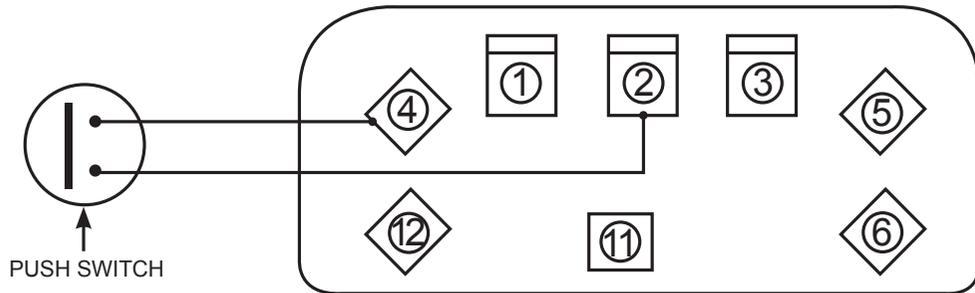
**Terminal 2** – provides a return circuit through **Terminal 4** for use of the solenoid. The use of this connection will allow the battery contacts to be opened electrically.

**Terminals 4 & 12** – are negative and positive supply sources which are connected via main contacts.

**Terminals 5 & 6** – are auxiliary contacts.

**Terminal 11** – is the negative connection for the vehicle Tachograph. This connection enables the Tachograph to operate when the switch is in the “OFF” position.

**NOTE:** Internal resistors are fitted across the main positive terminals & terminals 9 & 11 to provide for Tachograph clock in the “OFF” position.



The remote cut off circuit can be connected between terminals 2 & 4.  
**(NOTE: A PUSH BUTTON SWITCH OF AT LEAST 50A PEAK MUST BE USED)**

