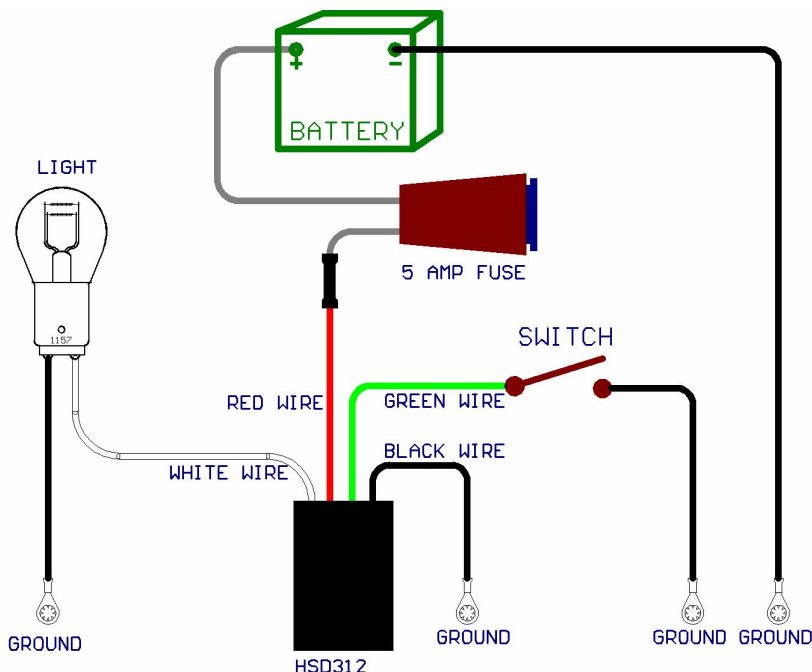


SMART HIGHSIDE HIGH CURRENT SWITCH (DTM904) *Digital Timer*

FEATURES

- Reverse Battery Protection
- Overload Protection
- Current Limitation
- Short Circuit Protection
- Over Temperature Protection
- Over Voltage Protection (Including Load Dump)
- Clamp of Negative Voltage at Outputs
- Fast Deenergizing of Inductive Loads
- Low Ohmic Inverse Current Operation
- Loss of Vbb Protection
- Electrostatic Discharge (ESD) Protection

CHARACTERISTICS		
Operating Voltage	Vbb (on)	5-34V
On-State Resistance	Ron	6.0 mΩ
Current Limitations	IL (nom)	12A
Load Current (ISO)	IL (ISO)	60A
Short Circuit Current	IL (sc)	100A



The DTM901 is a sophisticated Digital Timer that can be used in various applications. The DTM901 was designed with cost and size in mind and was kept to a minimal price and size. The features of the DTM901 have everything you could possibly be looking for in a High Side Driver (HSD), which will make the implementation quick and simple.

Some possible uses are:

Door light controller – The DTM901 as a Door light controller offers battery saving features like timeout shut-down. The customer can simply place the DTM901 on any door that has a switch associated with it. Then if the door is opened and left open the light will shutoff after a predetermined time, saving the customer valuable battery time.

Digital light switch – The use of the DTM901 as a digital light switch gives the user the ability to use more than one switch on the same light without having to use three-way switches and running wire all over the coach. This will also cut down on the amount of wire needed by only running one wire to each switch. Another benefit of the DTM901 is it pulls no current through the switch line, so the switch could be a momentary push button within a monitoring panel.

Pump Controller – The use of the DTM901 as a pump controller gives the user the ability to use more than one switch on the same pump without having to use three-way switches and running wire all over the coach. This will keep the distance from the pump to the battery at a minimal, thus cutting down on voltage drops and noise. Another benefit of the DTM901 is it pulls no current through the switch line, so the switch could be a momentary push button within a monitoring panel.

*In the case that over temperature, over current, under voltage, and short circuit the unit will shut the output off until the switch is cycled.