

Motorized Dual Circuit Battery Switch with VSR

300 Amps DC

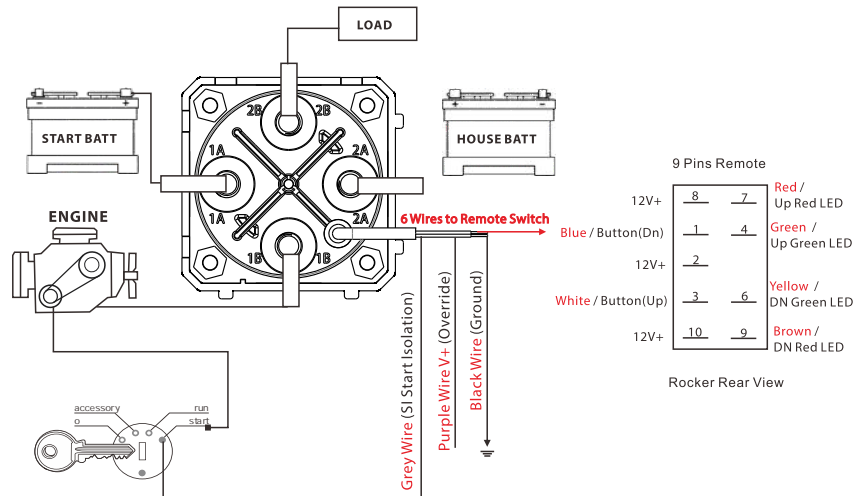
General Operation

The Motorized Battery Switch with VSR(Voltage Sense Relay) has two modes of operation. Auto and Manual.. The Battery Switch and the Remote Rocker Switch indicate mode and battery status. In Auto ON mode the Battery Switch monitors the condition of Start and House Batteries and Combine the batteries ensuring optimum charge of each battery.



Continuous Rating	300 Amps DC
Intermittent Rating	500 Amps DC 5 min.
Cranking Rating	900 Amps DC 30 sec.
Maximum Voltage	16 Volts DC
Auto Operating Range	9.5V to 16 Volts DC
Power Draw	Switch Off : 12mA Switch On : 15mA
Switch Operating	120mA for 3 sec at 12V Normal -22°F to 284°F
Housing	Thermal plastic UL rated 94V0
Mounting	Recessed or Surface
Standard	meet S.A.E. J1625,J1171,ABYC E-11 UL1500 (Ignition protection)
Stud size	4pcs 3/8" -16
Torque rating	88in-lb (10Nm) max.
Studs and Nuts	Copper with Tin plated

Remote LED	BATTERY STATUS	REASON
UP LED	1A No Connection	1A Fault
DN LED	2A No Connection	2A Fault
	13V (2Min) --> Combine	Auto ON
	13.6V(30Sec)--> Combine	Auto ON
	Under 9.5V/Over 16V-> Fault	Auto ON Remote OFF
	Under 9.5V/Over 16V-> Auto ON	Auto Combine Remote OFF
	12.75V (30Sec) --> Auto ON	Auto Combine
	12.25V(10Sec) --> Auto ON	Auto Combine
		Auto Combine
		Auto ON
	It can only be remotely turned ON with rocker indicator on rocker switch will sleep after 4 seconds	Auto OFF
		Man ON
		Man Combine
		Man OFF
	Auto Combine to Auto ON Auto ON no Change	SI --> V+
	Auto OFF(ON) to Auto Combine Disable Override go to Auto ON	Override --> V+



Features

- ▶ Auto OFF : It can only be either turned ON or OFF with rocker switch.
- ▶ Auto OFF: Indicator on rocker switch will sleep after 4 seconds(Park).
- ▶ Wake UP: press any key from rocker showing the LED status only.
- ▶ Manual OFF: NO LED, Auto OFF: Dn Red LED
- ▶ Start Isolation : Enable (Turn to ON), Disable (Turn to ON monitor V)
- ▶ Override: Enable (Auto Combine)
Disable(ON Monitoring Voltage)
- ▶ LED power consumption (Rocker Switch) : 2~5 mA

