BLUEWATER

SI - Auto Charging Relay

120A

FEATURES

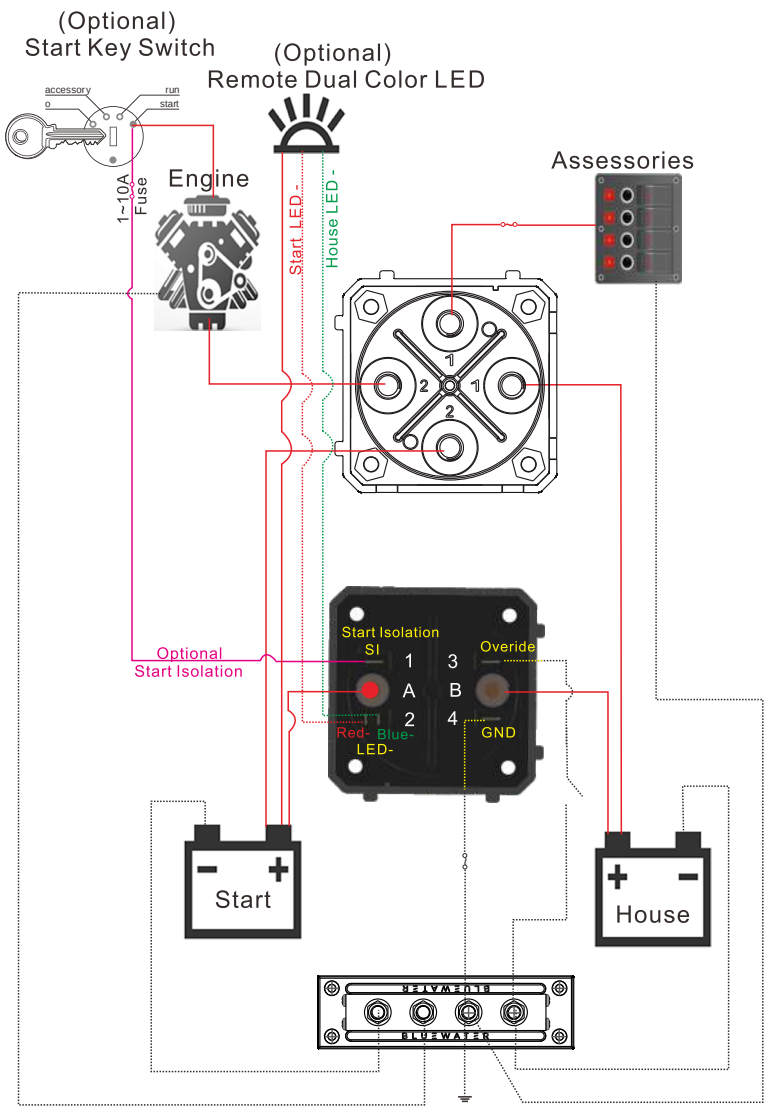
- Automatically combines two batteries when charging and isolates the two batteries when not charging.
- Allows temperary isolation of house loads from engine circuit during engine cranking to protect sensitive electronics : Start Isolation (SI) indicated by Slow Flash Yellow LED
- Supports high-output alternators up to 120 Amps
- Dual Color LEDs light show two batteries individual status : Fault / Charging / Discharging / Comine / SI / Override
- Dual Sensing - senses charge source on either battery bank
- Under voltage lockout - will not close when the lower battery is below 9.5V @12V or 19V @24V system - Lockout indicated by Fast Flash Red LED (Start Batt), or Fast Flash Green LED (House Batt)
- Waterproof rated IP67 - temporary immersion for 30 miniutes
- Ignition protected - safe for installation aboard gasoline powered boats
- When the voltage of the main battery is insufficient to start the engine, Connect the "OVERRIDE" to the negative pole to start the engine indicated by Fast Flash Yellow LED

SPECIFICATION

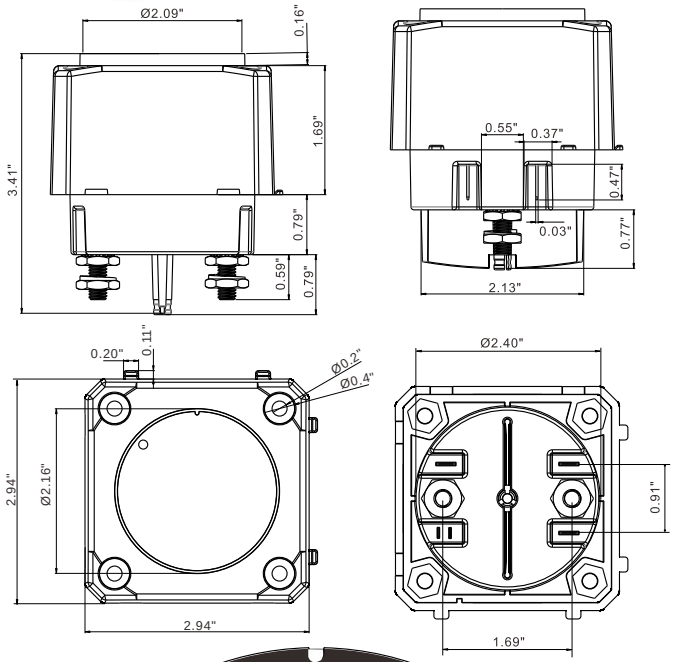
Parts # 9800-7101-00

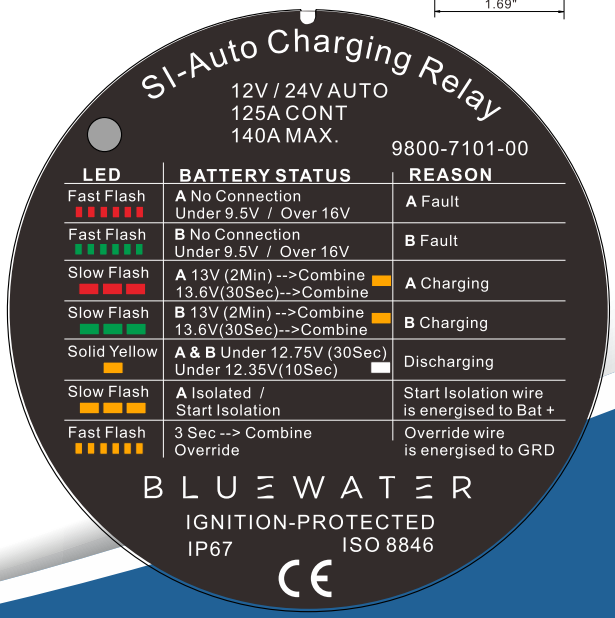
Continuous Rating		120A	
Intermittent Rating (5 min)		140A	
Operating Current (combine)		135mA	
Operating Current (open)		2.16mA	
Terminal Stud Size		3/8" - 16 (M10)	
Terminal Stud Torque		140 in-lbs (15.8 Nm)	
Relay Contact Position		**12V DC**	**24V DC**
Combine	(30 sec.)	13.60V DC	27.2V DC
	(2 min.)	13.00V DC	26.0V DC
Open Low	(10 sec.)	12.35V DC	24.7V DC
	(30 sec.)	12.75V DC	25.5V DC
Over Voltage Lockout		16.00V DC	- - -
Under Voltage Lockout		9.50V DC	19.0V DC
Under Voltage Reset		10.00V DC	20.0V DC

WIRING



Drawing





This disgram is to show connection points only ,and does not represent a complete installation diagram. see ABYC E-11 Standards for wire size and fuse values

Bluewater Enterprises LLC
Clearwater , Florida
1-855-BLUE-700
www.bluewatergadgets.com