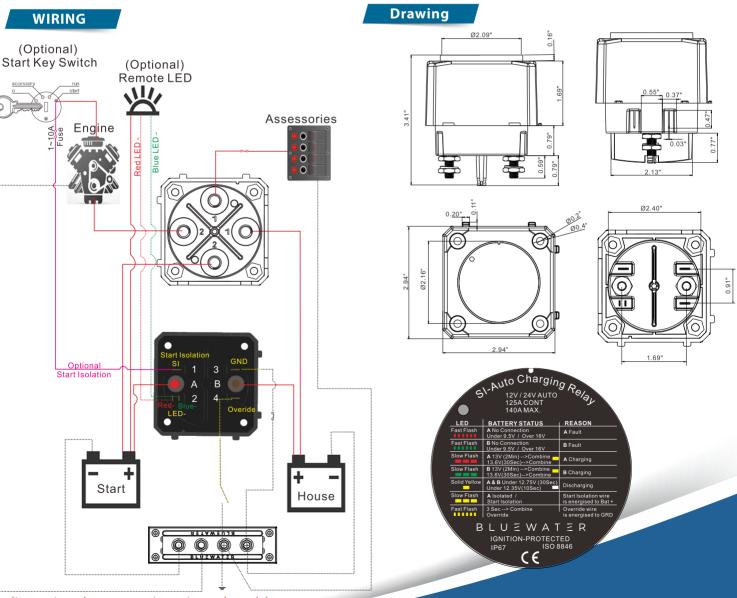
BLUEWATER

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

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



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

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SPECIFICATION