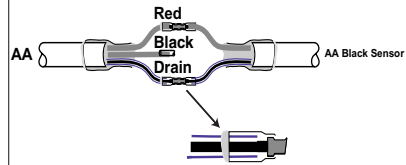


**AutoAnchor™ 500 Series**  
ELECTRONIC WINDLASS CONTROL AND CHAINCOUNTERS

AutoAnchor AA500C Wiring Diagram  
For windlasses with 3 terminal motors

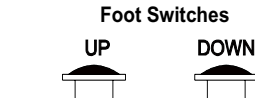
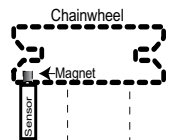
Isolating Switch required if breaker switch is not readily accessible from the helm

**Sensor Cable Splice Using the AA Black Sensor (9008)**

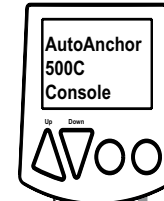


When connecting the all chain sensor to the AA, the black wire is not connected. Ensure the other wires are matched and connected.

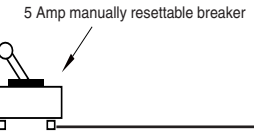
Refer to Installation Instructions for magnet and sensor fitting



**Cable from the Control Unit to the Solenoid Pack:**  
Up to 33 ft (10 mtrs) 1.5mm<sup>2</sup> (AWG16)  
Up to 66 ft (20 mtrs) 2.0mm<sup>2</sup> (AWG14)  
Up to 132 ft (40 mtrs) 3.0mm<sup>2</sup> (AWG12)

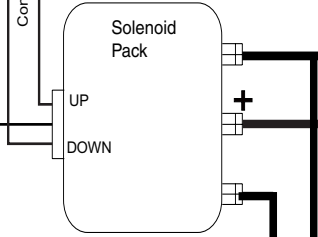
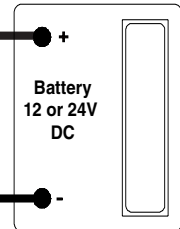
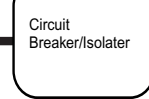


Yellow (Down)  
Red (+12/24V)  
Orange (Up)  
Black (Ground)



Length of conductor between power source and breaker not to exceed 1m (40")

Main Power conductor between battery and isolator must not exceed 1.8m(72")



Check rotation of the windlass before fitting the rode. Swapping terminals on the solenoid will change the rotation of the windlass.

Refer to the cable specifications for main power conductor requirements.

**NOTES**

- The AutoAnchor should only be installed by a qualified marine electrician. Do not attempt to install the AutoAnchor unless you are suitably qualified.
- The AutoAnchor Installation Instructions and Operation Manual must be referred to for full installation, calibration and testing procedures.
- Installation is not complete until the AutoAnchor has been calibrated to comply with the boat's windlass and chain and then tested in a safe environment. Refer to the AutoAnchor Operation Manual Part 2 for the calibration and testing instructions.
- All the cable and technical specifications must be checked and adhered to. Wiring diagrams must be followed without modification.
- All cables connected to the AutoAnchor must be installed at least 500mm (1.5ft) away from any equipment transmitting or cables carrying radio signals eg VHF and SSB radios, cables and antennas or radar antennas.
- Batteries and associated windlass cables must deliver a minimum of 7 Volts (12V system) or 14 Volts (24V system) when the windlass is under load.
- All battery and motor cables must be ring type, insulated to prevent short circuits, and installed to maintain a distance of at least 300mm away from the sensor head.
- Power to all windlass switching (deck, toggle, remote) and the AutoAnchor must be from a common source.
- All main power conductors and terminations must be installed in accordance with the windlass manufacturer's specifications.
- Do not fit diodes or interlock devices between the AutoAnchor and the solenoids.
- Seal terminals against moisture by spraying with CRC [3013] Soft Seal or CRC [2043] Plasti-Coat 70.
- For sensor splice connections, refer to the sensor splice sheet.

**WARNING**

**Power must be disconnected during installation and when making any changes to wiring after installation**

**ALL INSTALLATIONS MUST BE CARRIED OUT IN ACCORDANCE WITH USCG, ABYC, NMEA and BMEA REQUIREMENTS**