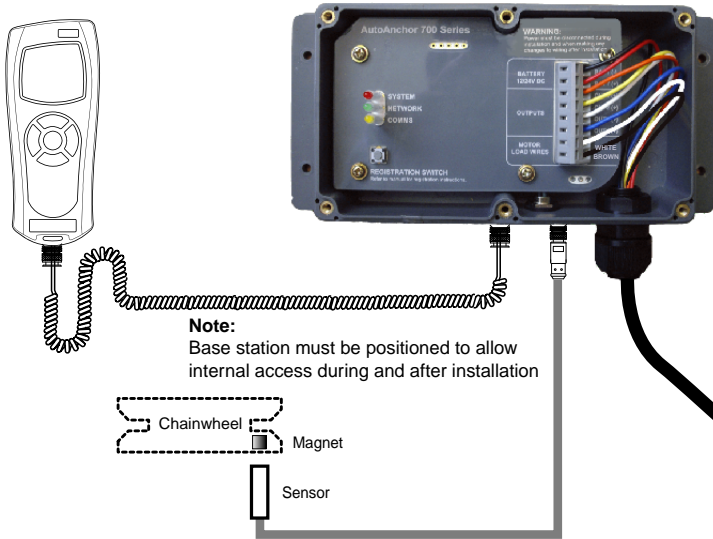


# AA703.3: AC, HYDRAULIC AND PLC ALL CHAIN WIRING FOR AA730 SYSTEM

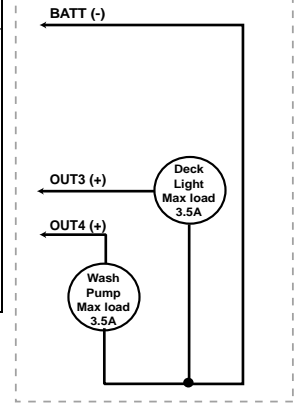


## AA703 Base Station Internal Connections

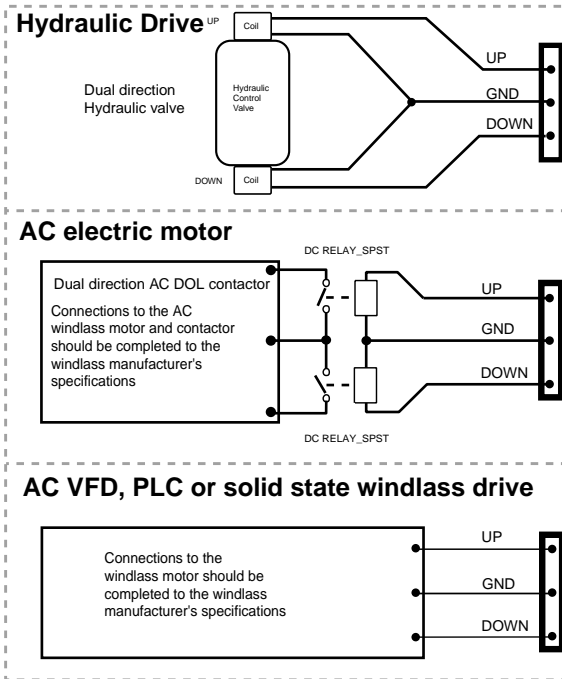
AA703 TERM	Default Function Assignment	Alternative Function Assignment	
BATT (-)	Ground		
BATT (+)	Positive		
OUT 1 (+)	Windlass Down		Power Enable when dual thrusters selected
OUT 2 (+)	Windlass Up		
OUT 3 (+)	Thruster A (Bow) Port	Windlass Option A	
OUT 4 (+)	Thruster A (Bow) Starboard	Windlass Option B	
OUT 5 White (+)	Thruster B (Stern) Port	Power Enable	Motor Load Wires
OUT 6 Brown (+)	Thruster B (Stern) Starboard	Dual Speed	Motor Load Wires

Notes:  
Unused outputs are automatically assigned as auxiliary outputs  
See owners manual section for more details  
All outputs are active high (+)

### Example Deck wash and light connections



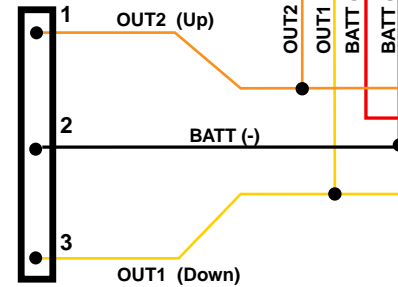
### Example windlass drives



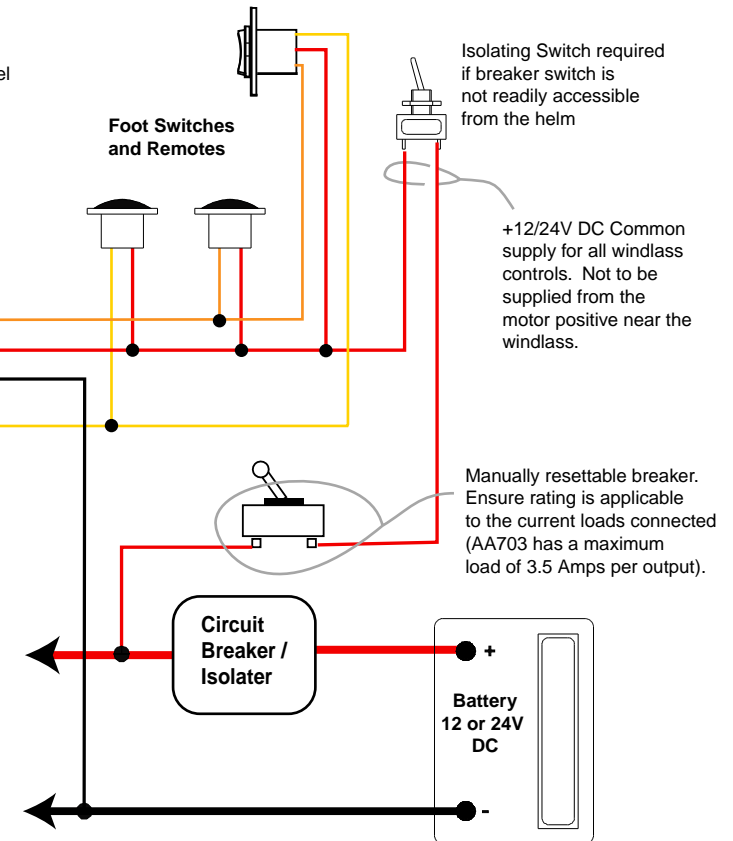
Check rotation of the windlass before fitting the rode. Swapping the terminals will reverse the windlass direction.

### IMPORTANT

All windlass controls must be wired in parallel



Note: When connecting to solid state switching or other low current windlass drives eg. PLC or AC variable frequency, a dummy resistor load (Part #9515) may be required to provide sufficient loading and to meet EMC and safety considerations. The resistor pack should be installed close to the windlass control not near the AA730. Refer to page 15 in the Owner's Manual.



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