

# Automatic Leveling Control



Auto Leveling Control

The Automatic Leveling Control (ALC) automatically adjusts roll from side to side and pitch from bow to stern to maintain a level boat and more comfortable and enjoyable ride. The control may also be operated in manual mode. This control incorporates automatic tab retraction and calibration whenever the control power is switched off. This unique design requires no feedback sensor for tab position. LED indicators automatically dim at night and brighten in sunlight. The ALC is completely sealed and waterproof. Its rubberized cover is UV protected and will not deteriorate in sunlight.

## FEATURES

- Microprocessor based automatic leveling trim tab control with LED tab position indicators
- Controls roll and pitch automatically
- Internal GPS does not require a connection to a GPS antenna or network
- Automatically adapts to varying sea conditions
- Completely sealed, completely waterproof (IP68) and will not deteriorate in sunlight
- Prevents automatic corrections while turning
- Designed for planing and semi displacement hulls larger than 20 feet
- Actuators connect directly to ALC-1 display panel (no external power module box required)
- Automatically dims LED tab position indicators in darkness and brightens in sunlight
- Automatically retracts trim tabs when boat is off plane or using optional key switch connection
- Dual station operation available (ALC-1D and ALC-2D does require external power module)
- Operates on 10 to 30 Volts DC
- 2 Year Warranty
- CE Approved (Compliance with EMC regulations)

## SPECIFICATIONS

Model Number	Display Color	Number of Stations	Actuators per tab plate	Overall Width	Overall Height/ Thickness	Mounting Hole Cutout (Diameter)	DC Voltage	Fuse Size Power Input (1 Actuator per Tab)	Fuse Size Power Input (2 Actuators per Tab)	
ALC-1	Black	1	1	3.15"/80mm	3.0"(77mm)/..437"(11mm)	2"/50mm	12/24	12vdc = 15 amp 24vdc = 10amp	N/A	
ALC-2D	Black	1 or 2	2	3.15"/80mm	3.0"(77mm)/..437"(11mm)	2"/50mm	12/24	N/A	12vdc = 30amp 24vdc = 20amp	
ALC-1D	Black	1 or 2	1	3.15"/80mm	3.0"(77mm)/..437"(11mm)	2"/50mm	12/24	12vdc = 15 amp 24vdc = 10amp	N/A	

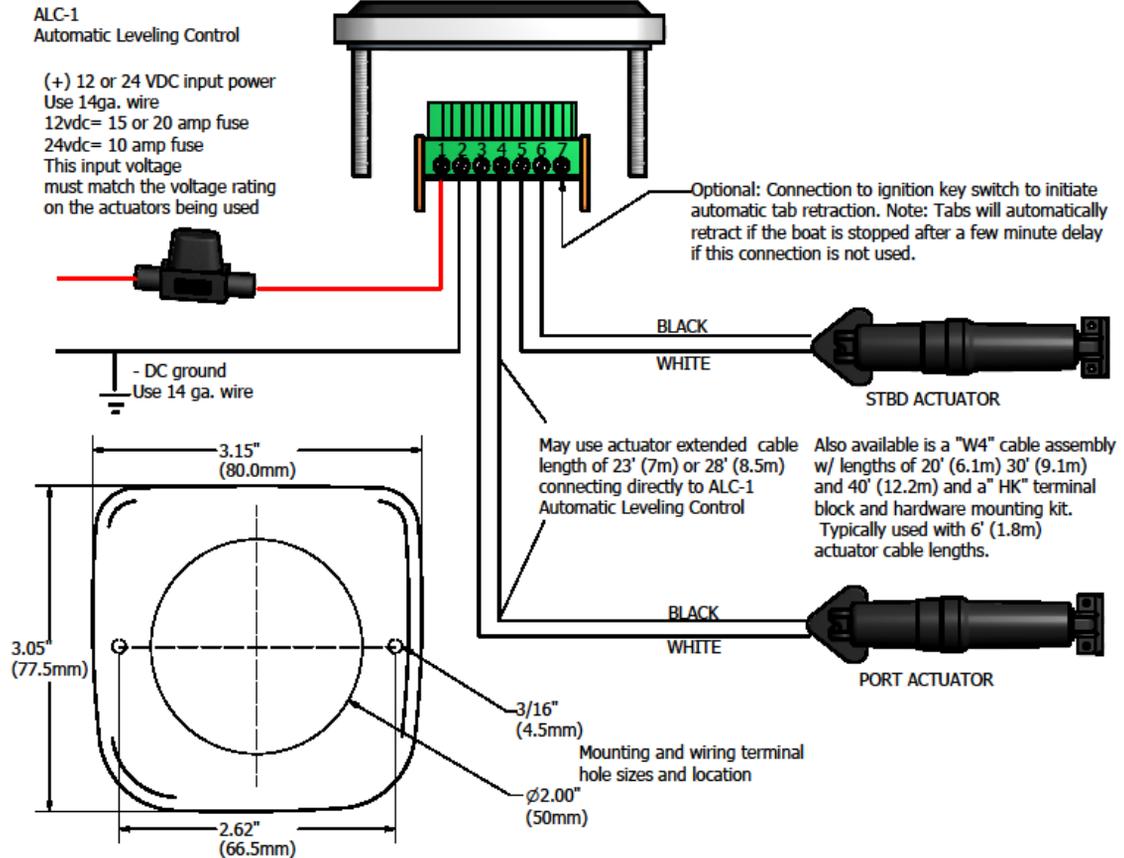
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March 2014

# AUTO LEVELING CONTROL WIRING ALC-1



## AUTO LEVELING CONTROL (ALC) PROGRAMMING

Function	Program Mode Sequence			
	Enter	Button Hold	Adjustment	Store Memory
Calibration	BOW UP + BOW DOWN	12s	Begin Calibration	N/A
Attitude Set	N/A	N/A	Adjust tabs to best attitude	Press AUTO 4s
Gain Adjust	RIGHT + LEFT	4s	BOW UP and BOW DOWN	RIGHT + LEFT 4s

### Additional Operational Features:

- Press AUTO to enter automatic leveling
- Press AUTO mode again to enter manual mode so tabs may be adjusted manually
- The ALC incorporates an "Adaptive system" to maintain optimum running attitude in varying sea conditions
- Reducing speeds below planing speed the ALC will not attempt to control attitude
- The ALC automatically starts correcting attitude during acceleration

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