



# Joystick LED Trim Tab Control



JLC-11

Lectrotab's Joystick LED control incorporates features requested by boat owners to provide a user-friendly control for a more enjoyable boating experience.

- Single "Joystick" control
- NMEA 2000 compatible
- LED display of each trim tab position

## FEATURES

- Microprocessor based trim tab control with LED tab position indicators
- NMEA 2000 compatible with JLC-NMEA adapter
- Move both tabs up or down simultaneously with a single motion
- Dual station ready – just add a second JLC-11 and JR-\* cable (sold separately)
- Automatic return to last tab position if ignition key is turned off and back on again
- Completely sealed, completely waterproof and will not deteriorate in sunlight
- Automatic tab retraction and calibration with key or accessory switch off
- Easy upgrade from any of our Lectrotab controls
- No external power module required
- LED tab position indicators dim automatically in darkness and brighten in sunlight
- Single or Dual Actuator per tab
- Operates on 12 or 24 volt dc systems

## PRELIMINARY SPECIFICATIONS

Model Number	Display Color	Number of Stations/Actuators	Overall Width	Overall Height/Thickness	Mounting Hole Cutout (Diameter)	DC Voltage	Fuse Size Power Input (1 Actuator per Tab)	Fuse Size Aux.(MUST CONNECT)
JLC-11	Black	Single or Dual Station/ 1 or 2 Actuator/tab	3.0"/ 77mm	3.0"(77mm)/ 2.0"(50mm)	2.625"/66.7mm	12/24	12vdc = 15 or 20 amps 24vdc = 10amps	1 to 2 amp

Linear Devices Corporation

11126 Air Park Road, Suite G, Ashland, VA 23005

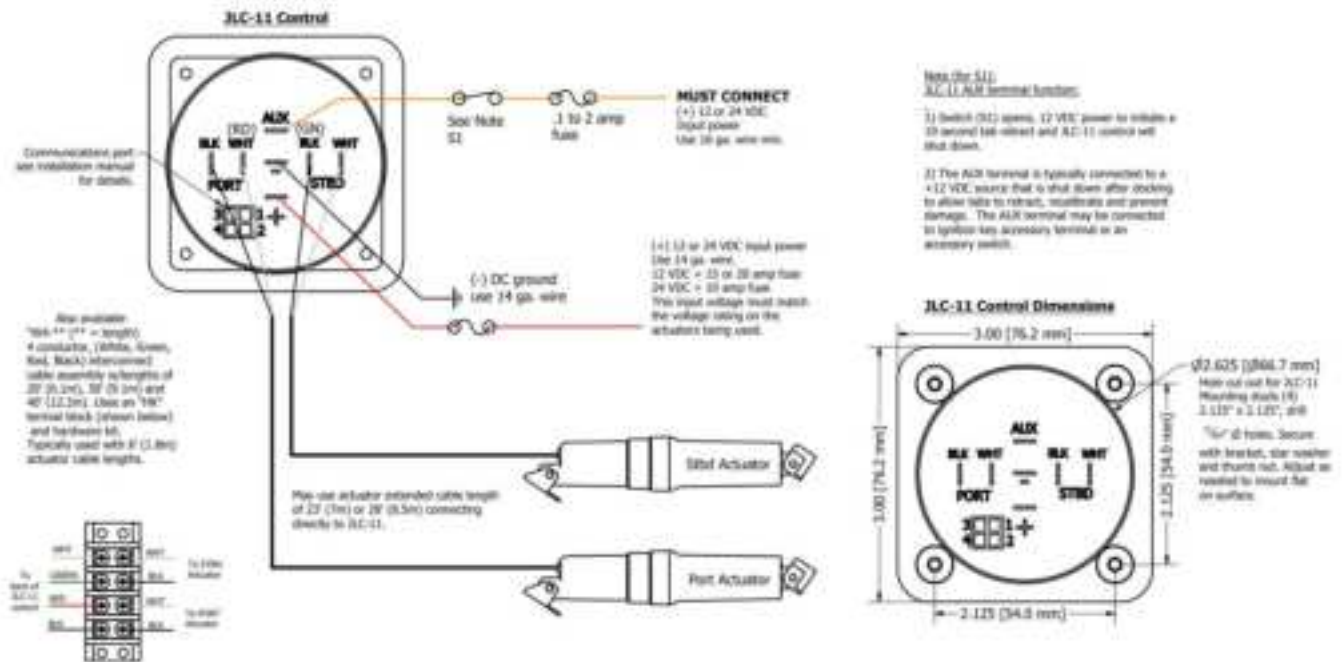
www.lectrotab.com, Ph 804-368-8428, Email: sales@lectrotab.com

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# JLC-11 WIRING and DIMENSIONS

## "JLC-11" Control Installation/Wiring Diagram



## JLC-11 Programming Chart

Program Mode Sequence						
Function	Enter	Adjust Setting	Exit	Range	Default	Program Details
Timing	Push & hold joystick left	Move and hold Joystick Up or Down	Push joystick right and hold 4 seconds +	4 - 12sec	8sec	8 LEDs = 8 second actuator 4 LEDs = 4 second actuator
Remember Last Tab Position	Pull & hold joystick back	Move and hold Joystick Up or Down	Push joystick right and hold 4 seconds +	Standard/Remember	Standard	8 LEDs each side = Standard Retract 1 LED each side = Remember Last Tab Position
Swap LED's	Push & hold joystick right	Move and hold Joystick Up or Down	Push joystick right and hold 4 seconds +	LEDs match tab movement or opposite tab movement	LEDs match tab movement direction	1 LED on right and left = LEDs follow and match tab movement direction 8 LEDs on right and left = LED follow opposite of tab movement direction
Disable Auto Tab Retract	Push & hold joystick forward	Move and hold Joystick Up or Down	Push joystick right and hold 4 seconds +	Enable/Disable	Enabled	#1 LED each side = Default of Auto Tab Retract enabled #8 LED each side = Auto Retract Disabled
Independent Tab Control	Push & hold joystick 45° towards upper left position (between top and left position)	Move and hold Joystick Up or Down	Push joystick right and hold 4 seconds +	Enable/Disable	Disabled	#1 LED each side = Default Disabled or tabs do not operate independently #8 LED each side = Tabs operate independently

### Programming Details:

**Timing:** #LEDs lit corresponds to the #seconds in actuator stroke time i.e. 8 LEDs = 8 seconds, 4 LEDs = 4 seconds (Actuator's A and B series = 8 seconds, C and D series = 4 seconds and S series = 6 seconds)

**Remember Last Tab Position:** If AUX power is switched from +12 or 24vdc to 0vdc, tabs retract (Set Timing + 1 sec.). When power is reapplied, tabs go to last position before key sw. off. Removing +12 or 24vdc power source will reset original setting back to fully retracted and keep fully retracted at new power source on. (8 LEDs on each side = standard auto retract and no last setting, 1 top LED on each side = remember last tab position before Aux power off.)

**Swap LED's:** 1 LED on right and left side = LEDs follow and match tab direction, 8 LEDs on right and left side = LEDs follow opposite of tab direction

**Disable Auto Tab Retract:** \*Note\* this program mode does not require +12vdc to the AUX terminal. Press the All Up and All Down buttons at same time for 2sec Press the STBD Bow Down/Up to adjust between Enable and Disable. (#1 LED each side = Default of Auto Tab Retract enabled. #8 LED each side = Auto Retract Disabled) Press the Port Bow Up to exit program and save setting.

**Independent Tab Control:** 1 LED on right and left side = Tabs do not operate independently, 8 LEDs on right and left side = Independent control of each tab

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