



STANDARD STAINLESS Trim Tabs

- All Lectrotab actuators are precision-engineered to combine quiet operation with a non-hydraulic, maintenance free design
- Standard actuator 12V, 2.25" stroke, 8 second stroke time
- 23' actuator cable
- Control switch not included
- Also available in: Mirror finished 12 gauge 304 stainless steel or gloss black powder coated stainless steel

LEC XKA9X9	12 gauge, 304 Stainless Steel, 9" x 9"
LEC XKA9X12	12 gauge, 304 Stainless Steel, 9" x 12"
LEC XKA12X12	12 gauge, 304 Stainless Steel, 12" x 12"
LEC XKA12X18	12 gauge, 304 Stainless Steel, 12" x 18"



ALUMINUM Trim Tabs

- Includes all the features of the STANDARD STAINLESS Trim Tabs with:
- Marine grade 6005-T5 aluminum alloy material, equivalent strength to 10 gauge stainless steel
- "No Break" polypropylene hinge tested over 300,000 cycles to a 90° bend without failure

LEC XKA9X9A	Aluminum Tabs, 9" x 9"
LEC XKA9X12A	Aluminum Tabs, 9" x 12"
LEC XKA12X12A	Aluminum Tabs, 12" x 12"



STANDARD Flat Rocker Switch

- Designed to provide “instant stop” to prevent actuator over-run
- IP67

LEC SAF-SC 12/24V



ONE TOUCH LED Control

- Auto tab retraction and recalibration on ignition key switch OFF
- “One Touch” button to fully deploy or retract tabs
- LED tab position indicators
- Remembers last tab setting
- Completely sealed and waterproof

LEC SLC-11 12/24V



LEC SLC-NMEA Adapter connects to any new or existing SLC-11 to allow for communication through a NMEA 2000 backbone with compatible MFD displays with trim tab indicators



MANUAL LED Control

- Auto tab retraction and recalibration on ignition key switch OFF
- LED tab position indicators
- Remembers last tab setting
- Completely sealed and waterproof

LEC MLC-1 12/24V



AUTOMATIC LEVELING Control

- Controls roll and pitch automatically
- GPS and an internal gyroscope work together to keep everything level
- Internal GPS does not require external GPS antenna
- LED tab position indicators
- Automatic tab retraction
- Completely sealed and waterproof

LEC ALC-1 12/24V



BENNETT RETROFIT Kit - No Switch

- Uses existing Bennett trim tabs; replaces Bennett A1101A actuators
- Uses same mounting holes, and existing Bennett wiring harness
- Kit includes 2 actuators with 23' cable length
- See page 5 & 6 for more details

LEC RBXKA 12V



CONTROL OPTIONS

Rocker Switch



Performs all standard trim tab control functions.

- Improved sealing to prevent water entry
- Higher load rating
- Recessed rocker prevents breaking

One-Touch Control



Combines a microprocessor based trim tab control with LED tab position indicators.

- One-Touch operation with LED tab position indicators
- Dedicated buttons for simultaneous movement of both tabs up or down
- Automatic tab position return
- Completely sealed and waterproof

Manual Leveling Control



Manually operated LED control with one touch tab positioning.

- Single button touch to raise/lower both tabs
- Tabs automatically return to previous position
- Completely sealed and waterproof
- No external power module required

Automatic Leveling Control



Automatically corrects roll and pitch for a more comfortable boating experience.

- Controls pitch and roll automatically
- Completely sealed and waterproof
- Automatic tab retraction
- No external power module required (ALC-1)

Note: Lectrotab control switches are available for dual station applications. Refer to the Control Switch product specification sheets located at www.lectrotab.com for more information.

PARTS & ACCESSORIES

LEC A-BK-13	ACTUATOR 12V, 23' CABLE W/BRACKETS
LEC S-BK-13	SHORT ACTUATOR 12V, 23' CABLE W/BRACKETS
LEC SLC-NMEA	SLC-11 TO NMEA 2000 BACKBONE CABLE
LEC SF-SC	FLAT ROCKER SWITCH FOR SAF-SC
LEC T12X12	TAB ONLY 12" x 12" STAINLESS
LEC T12X9	TAB ONLY 12" x 9" STAINLESS
LEC W4-20	4-CONDUCTOR CABLE WIRE 20'
LEC W4-30	4-CONDUCTOR CABLE WIRE 30'
LEC W4-40	4-CONDUCTOR CABLE WIRE 40'
LEC BL	LOWER BRACKET ASSEMBLY W/PIN
LEC BU	UPPER BRACKET ASSEMBLY W/PIN

LECTROTAB

ACTUATORS

A Upper seal, located above any point on the ram which is exposed to fouling, cannot be damaged and is the primary ram sealing element.

B Hardened steel free wheeling ballscrew provides up to 1000 pounds of force to the tab and eliminates electrical limit switches inside the actuator.

C Controlled torque thrust bearing surface for good service life and positive braking against reverse freewheeling. Prevents unwanted tab retraction when under way.

D Actuator has a completely non-metallic exterior for absolute resistance to corrosion.

E Greased and sealed 40:1 planetary gearbox provides smooth, quiet, high-torque drive to the ballscrew.

F Reversible D.C. motor is torque limited to protect the gear box and is instantly stopped when the control switch is released to prevent ram overtravel.

G Electromagnetic suppression device assures compliance with European CE standards and eliminates voltage spikes for better control switch contact life.

H Vent-tube check valve allows air in but not out, thus providing automatic internal pressurization to about 8 PSI when the tab is retracted.

I Upper actuator cover is sealed watertight with epoxy

J Upper bracket can be positioned from vertical through horizontal.



Standard Actuator: our most popular design, operates on all sizes and styles of boats (shown above). Overall length 13 5/8" (346mm).

Short Actuator: with low profile upper bracket is the perfect fit for trim tab applications where there is limited vertical space such as a swim platform. Overall length 11" (279mm).

Heavy Duty Actuator: reinforced upper mounting boss and 12 gauge Stainless Steel upper mounting bracket. Ideal for boats operating at high speeds or in rough conditions. Overall length 13 5/8" (346mm).

Long Actuator: for applications where a longer throw is required. Available in 4" stroke length. Overall length 15 3/8" (390mm) with low profile bracket.

ALUMINIUM TABS

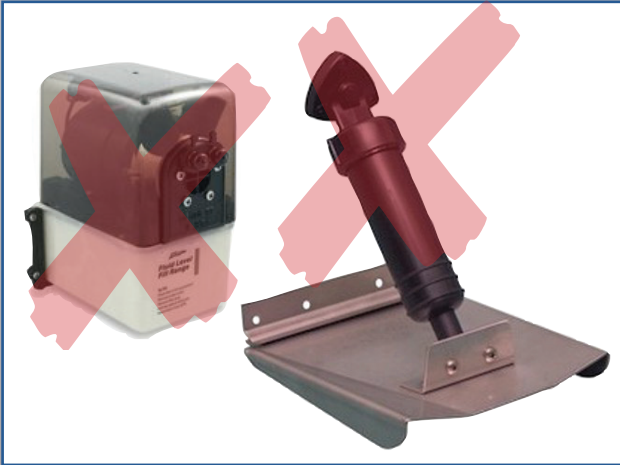
The Lectrotab aluminum alloy trim tabs are uniquely designed to meet the needs of aluminum hulled boats and are an economical option for all boats.

- Fabricated with an extremely strong "no-break" polypropylene hinge
- Marine grade 6005-T5 aluminum alloy material
- Sealed with a corrosion resistant epoxy coating
- Available in 9" (23cm) and 12" (30cm) chord lengths and in widths between 9" (23cm) and 48" (122cm)
- Also available with drop fins or supports



LECTROTAB

Bennett Trim Tab Owners... why repair when you can **UPGRADE?**



Lectrotab key advantages over Bennett Hydraulic Systems...

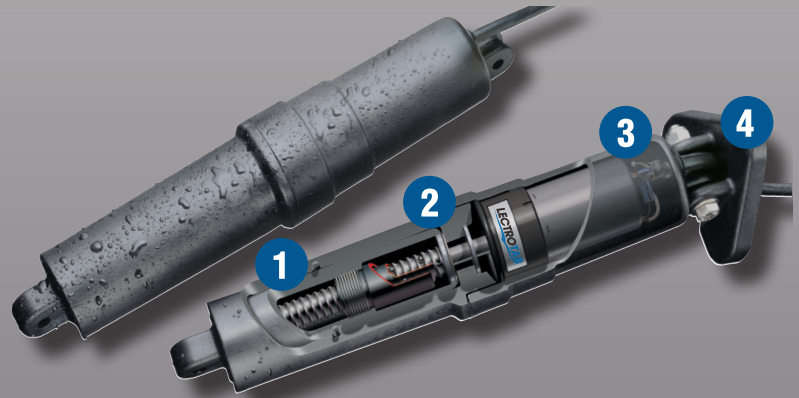
- ✓ *No risk of hydraulic fluid leaks*
- ✓ *Unique design features*
- ✓ *100% reliable tab position indication*
- ✓ *No maintenance required*

1 Upper seal, located above any point on the ram which is exposed to fouling, cannot be damaged and is the primary ram sealing element.

2 Controlled torque thrust bearing surface for good service life and positive braking against reverse freewheeling. Prevents unwanted tab retraction when under way.

3 Vent-tube check valve allows air in but not out, thus providing automatic internal pressurization to about 8 PSI when the tab is retracted.

4 Upper bracket can be positioned from vertical through horizontal and matches Bennett mounting hole pattern.



CONTROL OPTIONS

Rocker Switch



- Performs all standard trim tab control functions
- Water resistant switches
- Easily upgraded to One Touch LED control switch

One Touch LED Control



- Combines a microprocessor based trim tab control with LED tab position indicators
- Completely sealed watertight
- Automatic tab retraction during ignition key switch or auxiliary switch off

WHY LECTROTAB?

- Unique Design Features
- World Class Customer Support
- Auto Leveling Control Option

EASY INSTALLATION

- Uses existing Bennett trim tabs
- Uses same mounting holes as Bennett actuators
- Uses existing Bennett wiring harness



Bennett to Lectrotab Actuator Upgrade Installation & Wiring Instructions...

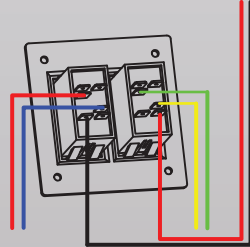


Choose Standard Switch Panel (SAF-SC)

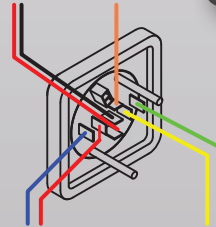
or One Touch LED Control (SLC-11)



Connect the Bennett wire harness to the switch panel using the supplied connectors

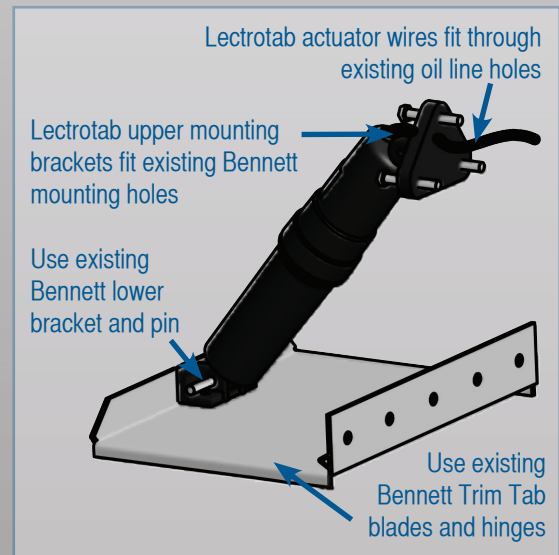
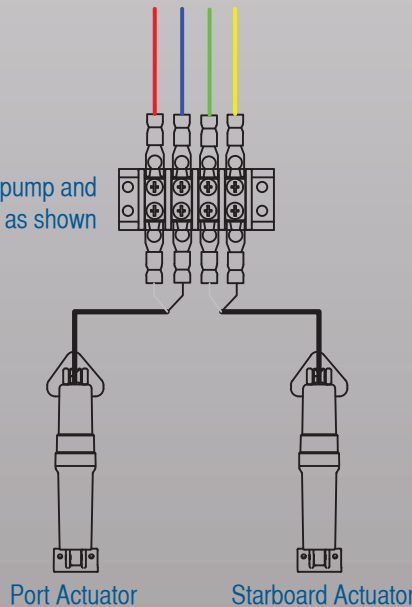


12 or 24 VOLT
 Power Input:
 Breaker or Fuse
 +12V DC = 20 Amps
 +24V DC = 10 Amps
 14 AWG Wire



AUX signal input (orange) must be connected to ignition switched +12V or 24V DC or Auxiliary panel switch source to enable power up and retraction of tabs

Remove the Bennett wires from the hydraulic pump and connect using supplied terminals and block as shown



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