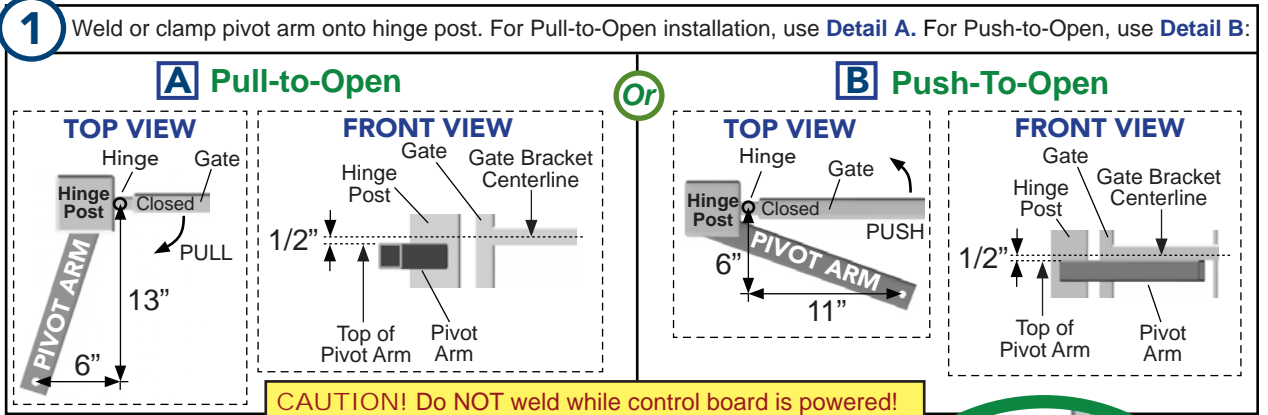


# Mercury 310 / ACBOX / TITAN 912L

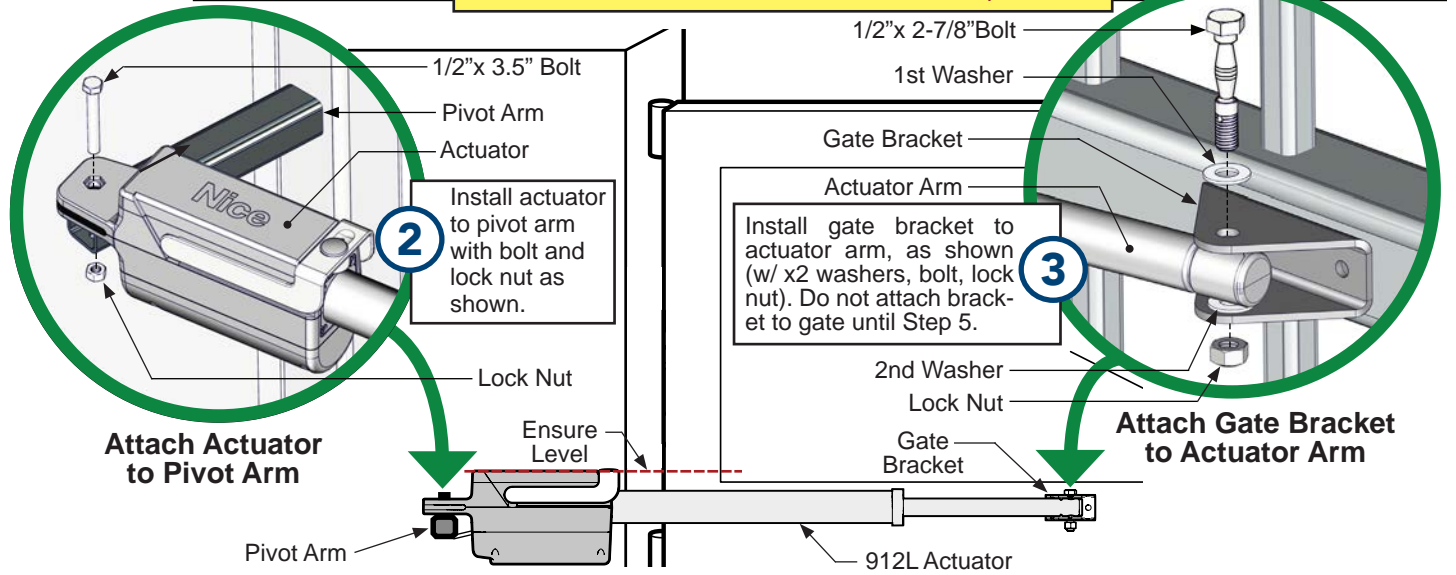
## Quick Start Installation Guide

### Actuator And Control Box Installation (perform ALL steps in numerical order):

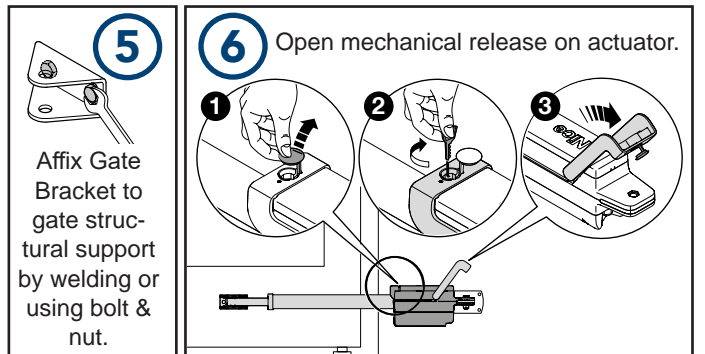
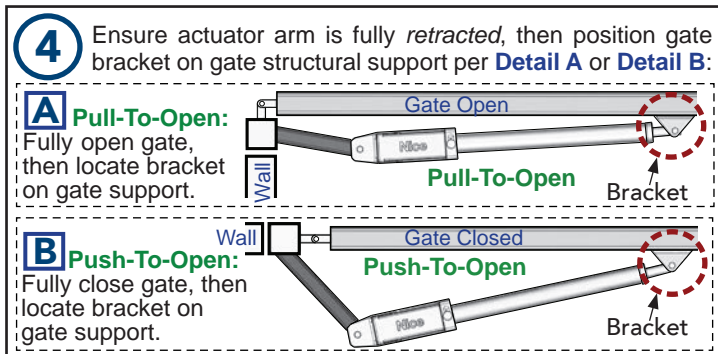
**IMPORTANT!**  
Read entire manual before attempting the installation. This is NOT a "do-it-yourself" project. Use a qualified contractor to install this system. Read all safety information!



**CAUTION!** Do NOT weld while control board is powered!



**Fig-1: Pivot Arm, Actuator, & Gate Bracket Install**

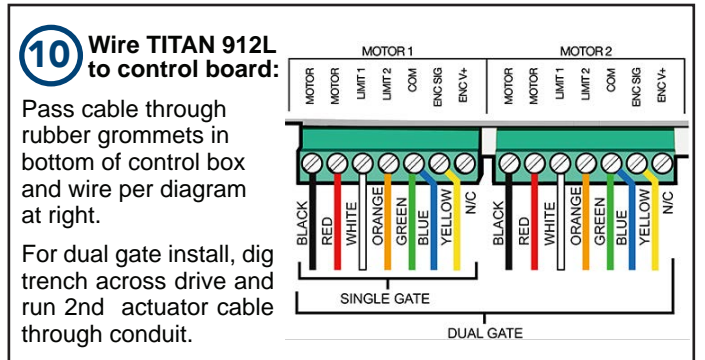


**CAUTION!** Do not mount the control box where the person using the push button on box can come in contact with the gate!

**7** With actuator release open, set mechanical limits by manually pushing gate to desired close limit, then to desired open limit, then to halfway position. Close release, but do not lock.

**8** Mount Control Box same side as primary actuator and minimum six feet away from pivot arm (See Fig-2).

**9** Remove power supply cover & run AC Cable into ACBox bottom. Wire to power supply: Green = Earth, Ground, Black = Hot, White = Neutral. See Fig-3 on next page.



# Mercury 310 / ACBOX / TITAN 912L

## Quick Start Installation Guide

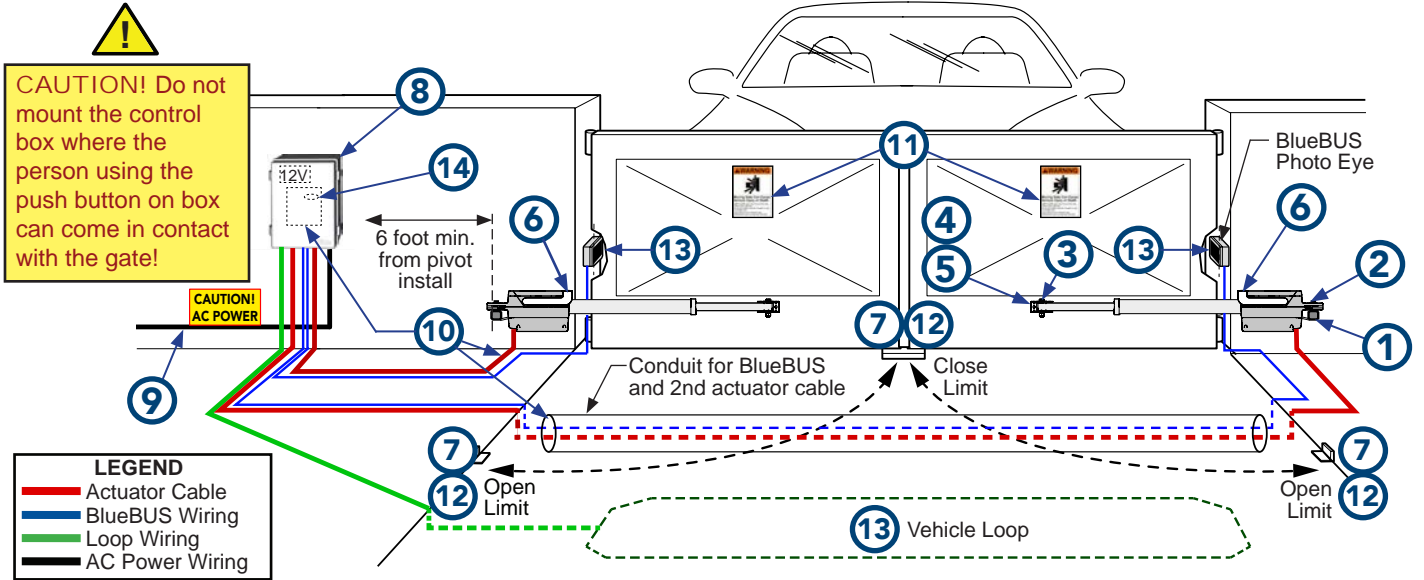


Fig-2: Titan 912L Dual-Gate System (Pull-To-Open Shown)

- 11** Attach warning signs to gate(s).
- 12** Perform Gate Limit Learn procedure (see below right).
- 13** Connect other accessories, such as loop detectors, photo eyes, or other safety devices. See accessory inputs in image below.
- 14** To program the OXI receiver, press/hold desired button on remote control, then within 2 seconds press & release the STEP, OPEN, or LATCH button on Mercury controller. LED flashes twice & alarm chirps to indicate programming success.

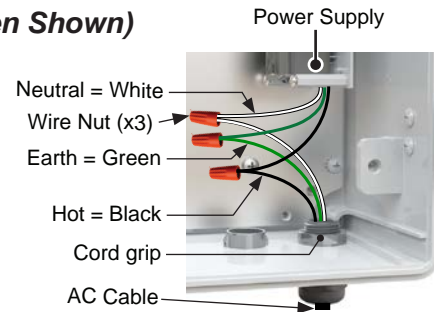


Fig-3: Power Supply Wiring

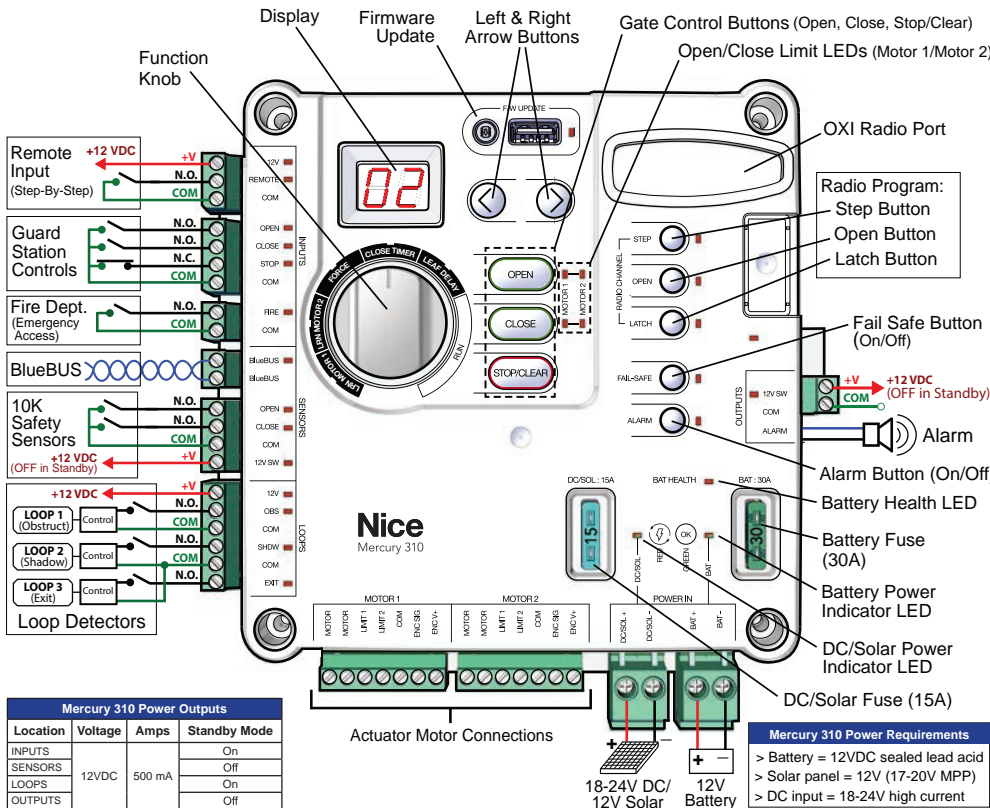


Fig-4: Mercury 310 Controller Features

- Gate Limit Learn Procedure:**
- Set function knob to LRN MOTOR 1 (display flashes **L1**).
  - Use Left/Right buttons to "jog" gate to between open and close limits.
  - Press/hold both left and right buttons for two (2) seconds.
  - Display will show solid **L1** and gate will run at crawl speed to first limit.
  - After reaching first limit, display flashes between **OP** and **CL** (LEDs also flash).
  - Observe *current* position of the gate and do only one of the following:
    - If gate is at *open* limit, press the **open** button.
    - If gate is at *close* limit, press the **close** button.
  - Gate auto-runs to 2nd limit at crawl speed & stops, then runs to 1st limit at normal speed & stops, then runs to the 2nd limit at normal speed & stops.
  - When finished, display will show either **OP** or **CL**, depending on buttons pressed during procedure.
  - If dual gate, set function knob to LEARN MOTOR 2 (display flashes **L2**) & repeat all steps for 2nd motor.