



TECHNICAL BULLETIN

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1050 QUICK START GUIDE

The following steps allow for basic setup of the 1050 control board. Information on additional features and configurability can be found in the 1551 Nice Swing Gate Actuator Manual.

1. Connect motor to the board as outlined in the manual for the particular operator you are using. If system is a dual, connect only one motor at this time.
2. Connect power. Incoming power is 10-32 volts DC only. NEVER connect AC power to the 1050 board.
3. Enter the Learn mode: press Functions - 1. Learn - press OK - select Swing/Slide - press OK - select Light/Average/Heavy - press OK. The board is now in learn mode ("ENTER" flashing).
4. Run the motor by holding down either the Open or Close buttons on the board. If the motor runs opposite of what it should be, follow Steps 4a for residential operators or Step 4b for commercial operators.
 - a. Reverse the motor wires (red/black) and re-check the direction of travel.
 - b. On commercial operators (4300/4500/8300/8500): press Functions - select 9. Adv. Settings - press OK -select Direction Mot - press OK. Check direction of travel of operator.
5. Put the operator in the closed position and adjust the appropriate limit adjustment until the LED limit indicator below where the motor is connected comes on. The LED should illuminate RED. If the LED is green, reverse the limit wires (orange/white).
6. Put the operator in the open position and adjust the appropriate limit adjustment until the LED limit indicator below where the motor is connected comes on. The LED should illuminate GREEN.
7. Move the operator to the MID-WAY position.
 - If the system is a dual operator. Unplug the first motor and connect the second motor to the board and complete Steps 4-7 on the second motor.
8. If the system is 2018 7th Edition UL325 compliant - connect monitored external entrapment sensor as required:
 - a. 1 monitored external entrapment sensor minimum for SWING operators.
 - b. 2 monitored external entrapment sensor minimum for SLIDE operators.
9. Press OK. Operator will begin the learning process by scanning the BlueBus port, then run the motor(s). Learning is complete when the board displays Gate Close.
10. Test and adjust the Force settings. Run the gate and physically obstruct it mid cycle to see how hard it pushes before reversing. A gradual loading of the gate will test the Static sensitivity, a solid blockage of the gate will test the Dynamic sensitivity. Adjust and retest until at desired setting.
 - a. To adjust: press Force - select Static/Dynamic - press OK - adjust up/down - press OK - press Display - press OK.
 1. Static: 1-10. 1 = most sensitive, 10 = strongest (least sensitive)
 2. Dynamic: 0-10. 1 = most sensitive, 10 = strongest (least sensitive), 0 = off (not recommended)
11. Adjust/Turn off Close Timer (automatic timer to close) Close timer adjustable: 0 = OFF or 1-90 seconds.
 - Press Delay - 1: Auto Close: 10 - press OK - select up/down - press OK - press Display - press OK
12. If system is SOLAR charged - board should be put in Standby Mode. When board goes into standby, display and LEDs will not be illuminated. Also voltage at #20 (24 volts) and #38 (12 volts) will be turned off.
 - Press Functions - select 8. Standby - press OK - select standby time - press OK - press Display - press OK
13. Program NICE transmitters to NICE receivers. Hold button on receiver until green light on receiver is on solid - release button - hold any button on first transmitter until green light on receiver goes off - release transmitter - green light will blink, then come back on- continue programming remaining transmitters in same manner as the first.
14. Set functionality of transmitter channels:
 - Press Functions - select 4. Radio Ch - press OK - select Ch1/2 - press OK - select Function - press OK - press Display - press OK
15. Test system for proper functionality and safety. More detailed instructions and many other features are covered in the installation manual for the operator.