

G0 Yaskawa Programming

Part Number(s): G0 "Yaskawa"

Very old G1x systems require a slightly different programming sequence. One encountered on the support line had a 2 pin Program/Normal header instead of the normal 3 pin header. The programming jumper was removed and laying in the bottom of the cabinet.

Programming:

The sequence used to initialize the system is as follows:

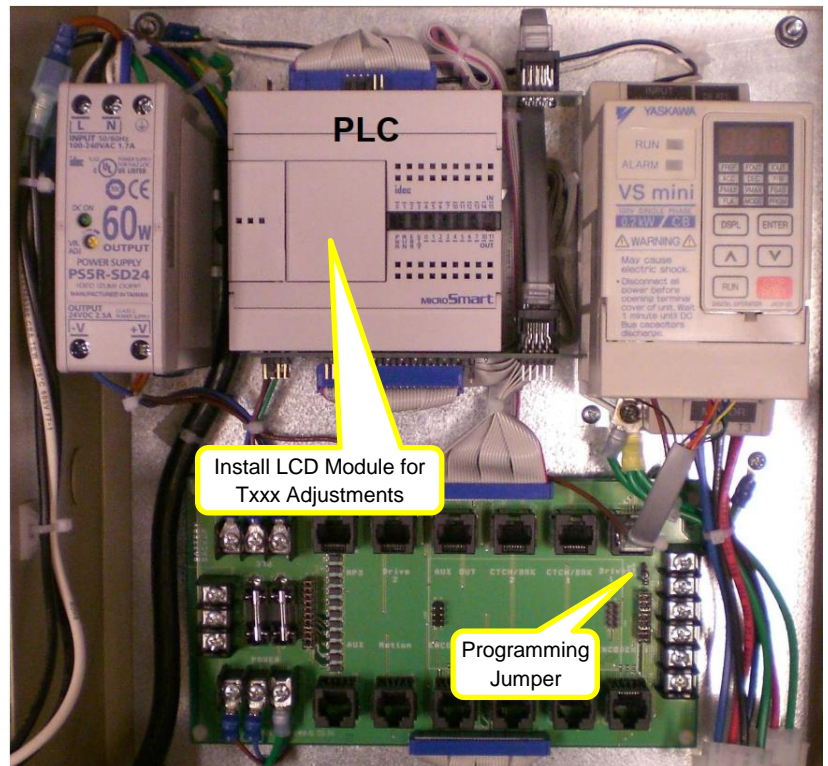
1. Power off the controller, and disconnect any battery backup if present.
2. Manually move the door to its fully CLOSED position.
3. Put the PROGRAM jumper on the program/normal 2 pin header. It may be in the bottom of the controller cabinet.
4. Power on the controller.
5. Manually OPEN the doors to their fully open position.
6. Press and hold RESET for 10 seconds.
 - a. The PLC output LED 11 on the bottom row, should come on indicating full open.
 - b. REMOVE the program jumper (or put the jumper on only 1 pin for safe keeping)
7. Manually CLOSE the door using the UNLOCK button if needed.
8. Press and hold the RESET button for 10 seconds.
9. Test the door.

PLC Adjustments:

Only 2 parameters on the PLC may need to be adjusted to achieve smooth door operation. These parameters are T0087 and T0008.

T0087 "Crawl Time" This setting determines how long the automation system will keep the motor running after the door closes. This setting is set at the factory at 1500 milliseconds, which is 1.5 seconds.

T0008 "Run Time" The T0008 setting determines how much time the system has to open or close the door. This setting is set at the factory at 120 seconds. The length of time needed to close or open the door should be measured and T0008 should be set at roughly 3-5 seconds beyond this time. For example, if it requires 40 seconds to fully open the door, T0008 should be set to 43-45 seconds.



The information provided here is the short version of the steps documented in the programming manual. Please refer to the "AC Motor with Yaskawa Drive Install Manual.pdf" for more information.

<https://inmotionsupport.freshdesk.com/support/solutions/articles/17000094961-g0-yaskawa-controller-with-ac-230v-3-phase-motor>