

AL06A Drive Alarm

Background:

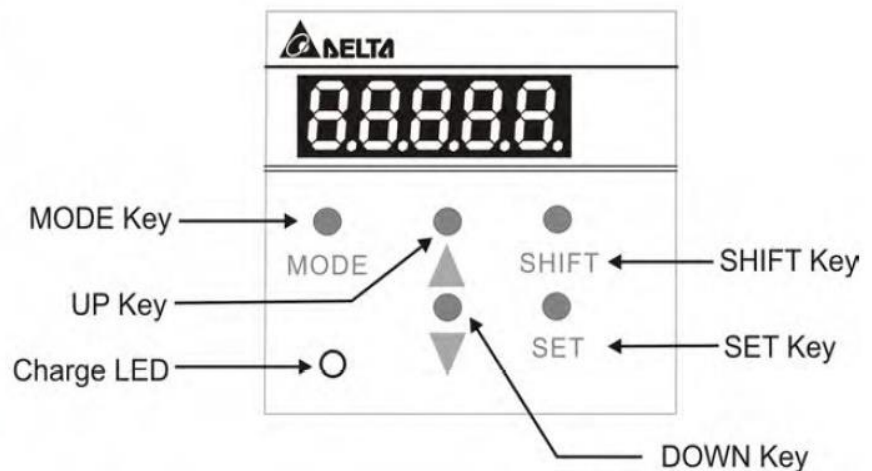
The AL06A Alarm occurs on the Delta drive when the drive loses position. This could come from replacing the drive, a loose encoder cable or unplugging the encoder during operation. The following procedure explains how to fix the issue.

On the Drive:

1. Set P2-08 to 271
 - a. Press "MODE" to display P0-00
 - b. Press "SHIFT" until display reads P2-00
 - c. Press "UP ARROW" until display reads P2-08.
 - d. Press "SET"
 - e. Press "UP ARROW" to display 00271
 - f. Press "SET" to save changes.

2. Set P2-71 to 1
 - a. Press "SHIFT" until display reads P2-00
 - b. Press "UP ARROW" until display reads P2-71.
 - c. Press "SET"
 - d. Press "UP ARROW" to display 00001
 - e. Press "SET" to save changes.

3. Power cycle the robot



On The robot

1. Move all the axes to the desired zero position. Use the alignment flags. You can either use the controller or manually push the axes with the motors off.
2. Turn OFF the servomotors
 - a. Press fn button on the pendant
 - b. Press the enable motor button to make it grey
3. Go to “Function” -> “Function Set” -> “Advanced” -> “Origin Offset”
4. You can reset either all of the axes or choose just the one of the drives with the alarm
5. Press and hold “Hold 2s to set zero position”
6. Click “OK” on the pop-up message

