TB184 (Rev1) - Heating and Cooling Parameters for SD drives

Overview:

This document covers the new heating and cooling parameters for the original SD drives and the new SD drives with the finned heatsink. These parameters are necessary to protect the SD drives from over heating.

Procedure:

These parameters are set by going to the Parameter screen in the Configuration menu.

Press **F1-Setup** (from main screen), **F3-Config**, enter default password **137 Enter**, and **F3-Params**. Then enter the values according to your drive and motor configuration.

AC Brushless Motors and Drives						
Parameter	Axis	Values	Values	Values	Values	Values
SD Drive		SD3, SD1 750W motors	SD3, SD1 1&2kW motors	SD3, SD1 (finned heatsink) 1&2kW motors	SD1 45A (finned heatsink) 3kW motors	SD1 45A (finned heatsink) 4kW motors
20	N/A	72	72	72	72	72
21	X	0.05	0.5	0.23	0.23	0.23
22	Y	0.05	0.5	0.23	0.23	0.23
23	Z	0.05	0.5	0.23	0.23	0.23
24	4th	0.05	0.5	0.23	0.23	0.23
25	X	0.68	9.0	12.0	12.0	14.5
26	Y	0.68	9.0	12.0	12.0	14.5
27	Z	0.68	9.0	12.0	12.0	14.5
28	4th	0.68	9.0	12.0	12.0	14.5
29	ALL	150	150	150	150	150
30	ALL	180	180	180	180	180
132	5th	0.05	0.5	0.23	0.23	0.23
136	5th	0.68	9.0	12.0	12.0	14.5

Make sure to reference Tech Bulletin 44 for the correct PID and Drive settings.

Document History

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