

Unidrive Size 3 Thermistor Replacement

This document pertains to size 3 Unidrives

Heat Sink Thermistor
PN: 1310-0500-00



This document covers the replacement of the heat sink thermistor. The drive will trip **Oh2** if the thermistor is defective.

WARNING: ALLOW SUFFICIENT TIME FOR THE DRIVE TO DISCHARGE
Recommended Time is 10 minutes
Measure from DC+ to DC- to ensure the buss voltage has discharged.

The main control housing needs to be removed as well as the power board to access the thermistor. The thermistor is attached to the IGBT with a screw and plugs onto the power board at PL7.



Thermistor Location

You can measure the resistance of to see if the thermistor is bad. It should read about 10-12K Ohms at room temperature when disconnected from the PCB.

STEP 1: Download [CTRI 234](http://www.emersonct.com/download_usa/replacementInstructions/CTRI234.pdf) for instructions on removing the plastic covers to expose the power stage.

http://www.emersonct.com/download_usa/replacementInstructions/CTRI234.pdf

STEP 2: Download [CTRI 205](http://www.emersonct.com/download_usa/replacementInstructions/CTRI205.pdf) for instructions on removing the power board. This will allow access to the thermistor.

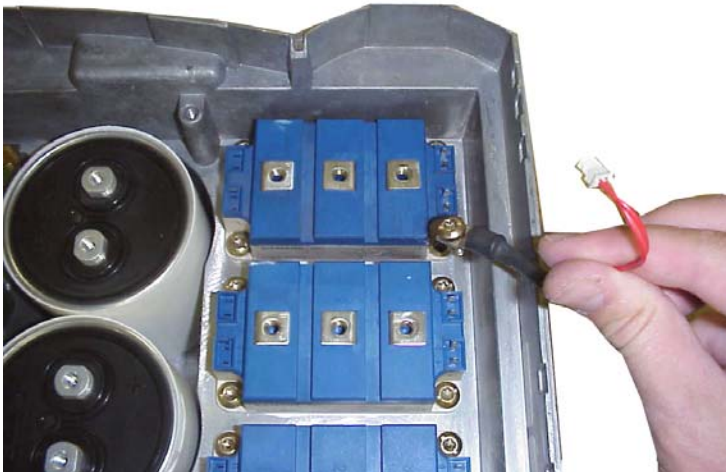
http://www.emersonct.com/download_usa/replacementInstructions/CTRI205.pdf

STEP 3: Remove and replace the thermistor. It will be attached to the heat sink with a T-30 Torx screw. The location of the thermistor is shown below.





Use the T-30 Torx screwdriver to remove the thermistor.



Remove and install the new thermistor

For questions call Control Techniques Technical Support at
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