



Data Sheet

CALIBRATION PROCEDURES UATC-20 MODULE

2014

Items Required:

1. Calibration Box with 240vac Single Phase Power Supply w/ "G" series connector for module to plug into.
WARNING—do not have a load hooked up as the load will create extra heat and give a false reading to the compensator.
2. Calibrated Thermocouple Simulator
3. Small screwdriver, Flat Head, to flip Dip Switch

Procedure to Calibrate UATC-20 Module:

1. Insert module into calibration box.
2. Connect a calibrated temperature calibration tool to the thermocouple pins of the back plane connector. Positive to top pin, Negative to bottom pin.
3. Turn the controller "ON" while holding down the Manual & Soft Start buttons. (The controller will perform the normal displays at power up; All segments/LED's light, then "itc" then the version number)
4. The top display will then show "CK2".
5. Set calibrator to "K" thermocouple mode.
6. Set calibrator to 200° F.
7. Press & release the menu button. The top display will show "CK4".
8. Set calibrator to 400° F.
9. Press & release the menu button. The top display will show "CK8".
10. Set calibrator to 800° F.
11. Press & release the menu button. The top display will show "CJ2".
12. Set calibrator to "J" thermocouple mode.
13. Set calibrator to 200° F.
14. Press & release the menu button. The top display will show "CJ4".
15. Set calibrator to 400° F.
16. Press & release the menu button. The top display will show "CJ8".
17. Set calibrator to 800° F.
18. Press & release the menu button. The bottom display will show "Cdn".
19. Power off the controller. Calibration is complete.

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