



## Data Sheet

### CALIBRATION PROCEDURES S20-D2 & S20-D2C 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 S20-D2 & S20-D2C Module:

1. Insert module in Calibration Box carefully.
2. Set the Thermocouple Simulator input to less than 170° F.
3. Set the "Set Point" on the module to 200° F.
4. Switch "ON" the module. The version will display. After a second the actual temperature will display. The module should now be in Soft Start Mode.
5. Allow the Soft Start Cycle to complete. (5 Minutes)
6. After the Soft Start Cycle is completed, allow the module to sit in normal operation until it reads "tOH" on the display. (3 Minutes).
7. Turn "OFF" the module.
8. Set the simulated thermocouple temperature to 200° F.
9. Move the number 4 dipswitch on the board to the "ON" position.
10. Switch "ON" the module. The display will show "CL2". Wait (3) seconds or longer.
11. Pull the "Manual Knob" "OUT". The display will then show what the module thinks is the current temperature. Wait (3) seconds or longer.
12. Push the "Manual Knob" "IN". The display will show "CL4".
13. Set the simulated thermocouple temperature input to 400° F.
14. Set the "Set Point" on the module to 400°. Wait (3) seconds or longer.
15. Pull the "Manual Knob" "OUT". The display will then show what the module thinks is the current temperature. Wait (3) seconds or longer.
16. Push the "Manual Knob" back "IN". The display will show "CL8".
17. Set the simulated thermocouple temperature to 800° F.
18. Set the "Set Point" on the module to 800. Wait (3) seconds or longer.
19. Pull the "Manual Knob" "OUT". The display will then show what the module thinks is the current temperature. Wait (3) seconds or longer.
20. Push the "Manual Knob" back "IN". The display will show "Cdn".
21. Switch the module "OFF".
22. Move the number 4 dipswitch on the board to the "OFF" position.
23. The module is now calibrated.

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