Temperature Controller usage manual (Model 336)

Turning on: Plug the device and it will be automatically turned on.

Check the input status of each sensor (A, B, C, D):

1. Press “Input Setup” and then press “Enter”
2. Use “Up” or “Down” to choose A B C or D and then press “Enter”.
3. You can see many properties, such as the name of each sensor, the current temperature, the type of sensor you are using (normally it’s NTC, RTD (Cernox)), and the curve setting (please don’t change)
4. Setting of each sensor:

Sensor Type: NTC, RTD (Cernox) (don’t change, we use this for all sensors)

Curve setting(don’t change, this has been optimized by the manufacturer):

Upper Model

A. SampleLoopInput: 21 User X201888

B. ControlLoopInput: 22 User X202787

C. HTSC : 25 User X202788

D. MagnetPlate : 26 User X214548

Lower Model

A. 1.5 K Pot : 25 User X202788

B. Magnet Bottom : 26 User X214548

C. 2 nd Stage : 27 User X194674

D. 1 st Stage : 24 User X197902

Temperature Requirement for each sensor before using the magnet:

1. C. HTSC is the temperature of the superconducting magnet, and should be lower than 55K.
2. D. MagnetPlate and B. Magnet Bottom should be lower than 4K.
3. A. 1.5 K Pot will go below 1.5K and show “Tunder”.
4. A. SampleLoopInput and B. ControlLoopInput should also go to around 1.5K.

Note:

Tighten needle valve, G3

Computer controll