

TEMPERATURE CONTROLLER **SYSTEM**

E/15/119

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Project Description

In many fields of scientific research and production practice, the temperature control system occupies a very big and important position, especially in metallurgy, chemical industry, building materials, food, etc. Temperature Control System can be as simple as comprising of only heating element and sensing element whereas there's no limit on the complexity level. Depending upon where it is to be used, complexity involved as well as system components varies largely. In the industry temperature controlling needs to be done in a wide area. So in this project we are focusing on building a temperature controller system, so that we can set temperature remotely as per our requirements.

Components:

1. Temperature sensor (RTD)
2. Resistance to current converter
3. PLC
4. DC Power Supply
5. Coil (Heating element)
6. PID controller

System Flow Diagram

