if we want to monitor or connect the temperature sensor to plc whether it may be RTD or Thermocouple ,we need the temperature transmitter for the sensor which gives output of 4-20mA or 0-10v analog signal . no issue if you want to convert 4-20mA signal to 0-10V signal just use a 500 Ohms resistance so it will give you 2 to 2.2v at 4mA and 10v at 20mA.

Connect the sensor to analog input of any plc analog input.do program and scaling perfectly and you will get the real value of temperature. 