



The DS1821K Programmable Digital Thermostat Development Kit allows a potential user of the DS1821 to observe the operation of the DS1821 in an actual temperature measurement application. Temperature is measured and displayed in a text box, as well as on a graphical thermometer.

Since the DS1821 is intended to be a stand-alone thermostat, a means of setting the thermostat trip points and setting up the part for stand-alone mode is necessary. The DS1821K development kit allows these functions to be performed. Thermostat trip points may be set by the user, and a graphical display of the status of each thermostat output is available on the screen at all times. Temperature may be displayed in Celsius or Fahrenheit. The DS1821K consists of a small printed circuit board with sockets for a DS1821 and DS1821T mounted on it. (Pads are provided for a socket for the DS1821S, but the socket is not provided. See the README file on the program disk for names of suppliers for suitable sockets.) A connector and cable is supplied to allow the user to connect the device to a PC parallel port. The development kit “steals” power from the PC’s parallel port, so no additional power supplies are needed.

Software is provided that runs under DOS.