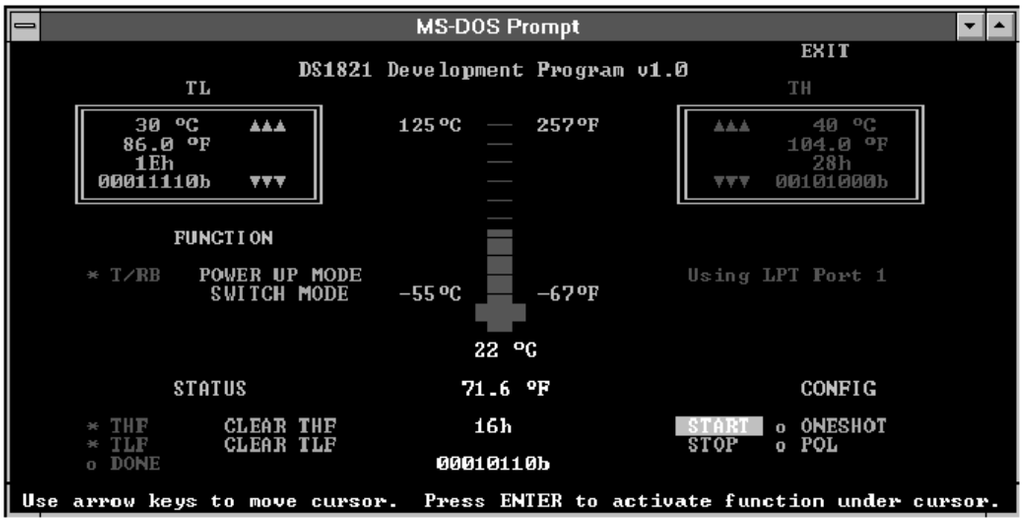
DALLAS SEMICONDUCTOR

DS1821K
Programmable Digital Thermostat Development Kit



The DS1821K 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.