DS18B20 Programmable Resolution 1-Wire Digital Thermometer



Produktkode: 512aa Tilgjengelighet: 4 Lager: AB9

Pris: kr. 26,00

Short Description

DS18B20 Programmable Resolution 1-Wire Digital Thermometer

Beskrivelse

General Description Manual

The DS18B20 digital thermometer provides 9-bit to 12-bit Celsius temperature measurements and has an alarm function with nonvolatile user-programmable upper and lower trigger points. The DS18B20 communicates over a 1-Wire bus that by definition requires only one data line (and ground) for communication with a central microprocessor. In addition, the DS18B20 can derive power directly from the data line ("parasite power"), eliminating the need for an external power supply.

Each DS18B20 has a unique 64-bit serial code, which allows multiple DS18B20s to function on the same 1-Wire bus. Thus, it is simple to use one microprocessor to control many DS18B20s distributed over a large area. Applications that can benefit from this feature include HVAC environmental controls, temperature monitoring systems inside buildings, equipment, or machinery, and process monitoring and control systems. Applications? Thermostatic Controls? Industrial Systems? Consumer Products? Thermometers? Thermally Sensitive Systems