DS18B20 Programmable Resolution 1-Wire Digital Thermometer



Produktkode: 512aa
Tilgjengelighet: 4
Weight: 0.00kg
Custom Field 5 (Location): AB9

Pris: kr. 26,00

Kort beskrivelse
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