Solid State Temperature Sensors

The NCT22 and NCT24 devices are programmable solid state temperature sensors designed to replace mechanical switches in sensing and control applications. They are operational from 4.5 V to18.0 V (NCT22) and from 2.7 V to 4.5 V (NCT24). They have set points that are easily programmed and can be used as over-temperature fail safe circuits and simple fan controllers.
Both devices also feature programmable temperature set points, &#177 2 &#176 C hysteresis, and fire/heat detection. The NCT22's supply voltage range is 4.5 V to 18.0 V, while the NCT24 has a 2.7 V to 4.5 V voltage range. Each device comes in a standard 8-Pin SOIC package and have a low current supply for longer battery life. Applications include CPU thermal management in personal computers and amplifiers.