Adjustable temperature-compensated threshold circuit with trip-points exceeding the given supplies

The temperature compensated threshold circuit includes: a positive trip point circuit 60 for providing a positive trip point when an input voltage PSM is higher than a positive supply voltage VCC; a negative trip point circuit 62 for providing a negative trip point when the input voltage PSM is below a negative supply voltage AGND; and a bias circuit 64 for providing to the positive and negative trip point circuits 60 and 62 a first current proportional to absolute temperature and a second current proportional to a base emitter voltage.