



M75001 / M75002 Operating Instructions

Function: Temperature Alarm IC

M75001 : 135°F (57°C) Fixed Temperature / 15.6°F (8.7°C) per minute Rate-Of-Rise

M75002 : 158°F (70°C) Fixed Temperature / 15.6°F (8.7°C) per minute Rate-Of-Rise

Detecting ambient temperature every 7.4 seconds

1. fixed temperature temperature detection:

When two consecutive detection temperature reaches the defined range, the alarm is activated.

2. differential temperature:

1. When the temperature difference reaches 12 degrees in the interval of 2 detections (15 seconds), an alarm is activated, which is suitable for phase detection.
2. When the temperature difference reaches 12 degrees during the 11 detection time interval (82.5 seconds), the alarm is activated, which is suitable for straight rise detection.

2. IC operating current: :

Frequency : 8MHz

	Standby		Temperature measurement		Average operating current
	Operating current	Interval	Operating current	Interval	
5V	15uA	7.4 sec	700uA	40 msec	25uA
4V	7uA	7.4 sec	500uA	40 msec	14uA