Air temperature sensor

Measure voltage (every 2 seconds)

Digitise voltage output (via ADC)

Convert to resistance

Convert to temperature

Skin temperature sensor

Measure voltage (every 2 seconds)

Digitise voltage output (via ADC)

Convert to resistance

Convert to temperature

Is Tav > 38 or < 35 ?

Turn ‘Normal’ LED off

Turn ‘Abnormal’ LED on

Convert to core temperature

Add to start of a temperature array (n=30)

Compute average Tav

Alert Emergency Services

Keep ‘Normal’ LED on

YES

NO