**Introduction**

Heat controller

In country like Europe, the temperature is very low, there seat heater heat the seat.

The system detects the presence of person, and temperature sensor checks the amount of heat required to warm the seat according the temperature.

Checks the presence of driver in a vehicle, temperature sensors sens the amount of heat to be generated to warm the seat. if no person occupy the seat the system does not work

Here the temperature is adjusted similar to Air condition used in India.Knob is used to adjust the temperature, so based on the temperature which we set for the heater will heat the seat ,heating is based on two parameters first BUTTON SENSOR second TEMPERATURE SENSOR which is based on ADC value , temperature is analog in nature which converted to digital and sent to display.

**BlockDiagram**:

Heat HeatOut

LedSin LedsOut

DisplayCDD

Displayin

ModeFromCAN

TempToCAN

Tempfromsensor

ButtonStstus

HeatControlParam

ButtonS ButtonStatusOut

TempIn TempOUT

DISPLAYOUT

MODETOLED

HEATEnble