



Preliminary Specs:

A) VOLTAGE MONITOR

1. Input Voltage: 7 – 18V
2. Sensing Voltage Range: 5-80Volts
3. LED Color: (Typical LED Colors) Based on 5V Sensing Voltage
 - Green (Greater than or equal 4V)
 - Green (Greater than 3V and less than 4V)
 - Green (Greater than 2V and less than or equal 3V)
 - Amber (Greater than 1V and less than or equal 2V)
 - Flashing Red (Less than equal 1V)
4. The sensing ranges can be reprogrammed to fit any application with little changes to the design.
5. LED output can be changed to fit any applications and any LED can be set up to Flash or stay on

B) TEMPERATURE MONITOR

1. Input Voltage: 7 – 18V
2. Total Accuracy: +/- 2 °C
3. Wide Temperature Sensing Range: -40 to 125° C
4. Temperature Sensor can be installed on the PCB or remotely
5. Typical LED output:
 - Blue: Too Cold
 - Green: Normal Temp
 - Red: Too Hot

C) PRESSURE SENSOR (In Development Stage)

1. Input Voltage: 7 – 18V
2. Typically Pressure Sensing: 0 to 36.3 psi
 - Will depend on the type of Pressure sensor that is used
3. Typically Sensor Output 0.2 to 4.9V
 - Will depend on the type of Pressure sensor that is used
4. LED's can be programmed to a specific pressure points

D) Optical Tilt Sensor

1. Input Voltage: 7 – 18V
2. Tilt Sense Angle is 20 +/- 10
 - a. The Tilt angle can be any angle from 20 to 45 degree.
 - b. The Tilt angle is determined by the Optical Sensor on the board
3. The Optical sensor works in 360
 - a. You can turn the board in the x, y or z direction and you will get an alarm output
 - b. Once a tilt angle is achieved the LED will light up.
4. In this case we have a LED as the output alarm but you can use a small buzzer as well
5. A microcontroller used to detect the angle movement. Every angle has a specified voltage assigned to it and once the voltage is reached it sets off an alarm.
6. The board can be reprogrammed to meet any desired angle. If the end user needs to have a 45 degree tilt, you can send the board back to Solico and the board will be reprogrammed.

All the above are preliminary specs and testing is in process. Sample boards are available upon request. The only one that is not currently available is the pressure sensor. That board is currently being developed. Also coming soon is a sensor board using an accelerometer that has a +/-1.5g to 6g three axis sensing capability

NOTE: The above are just a few listed items that our indicator can sense. If you have a different application please contact the sales department