

# CO2 Alarm modes

The LogiCO2 CO2 monitor has three LED indicator lights and three separate alarm modes. It is important everyone understands the differences.

**The Red LED** indicates an Alarm Mode, see listed below.

**The Green LED** indicates a normal, working unit.

**The Yellow LED** indicates a system fault that needs to be reset/repaired; the unit is not online.

**TWA Alarm (Time Weighted Average)** *If the display reads “TWA Alarm”, the Red LED is blinking, there is an intermittent tone from the Central unit and the Warning Lamp is flashing.*

It is considered unhealthy to be exposed to 0.5% of CO2 for extended periods of time. That is 20 times the CO2 content of Fresh Air which is 0.04%. This unit samples the air every 4 minutes keeping track of the last 8 hours. If the 8 hour CO2 concentration average is 0.5% to 1.5% the **TWA Alarm** will be activated. The Central unit will emit an intermittent audible tone, the Red LED on the Central unit will begin blinking, the display will show “**TWA alarm**” and the separate Warning Lamp will flash. The separate Siren will not be activated. The audible tone can be turned off by briefly pressing the Reset Button but both the lights will continue to flash until the CO2 level falls below 1.5%.

## **Response**

The sampled room should be ventilated and the CO2 source identified and repaired.

**Low Alarm** *If the display reads “Low Alarm”, the Red LED is blinking, there is an intermittent tone from the Central unit and the Warning Lamp is flashing.*

When the CO2 level reaches 1.5%, the Low Alarm will be activated. The Central unit will emit an intermittent audible tone, the Red LED on the Central unit will begin blinking, the display will show “**Low Alarm**” and the separate Warning Lamp will flash. The separate siren will not be activated.

## **Response**

The reset button on the Central Unit should be pressed. If the Alarm reactivates, then one person supervised by another person can enter the room. The area should be immediately ventilated and the CO2 source identified and repaired.

**Main Alarm** *If the display reads “Alarm”, the Red LED is constant, there is an constant tone from the Central unit, the Warning Lamp is flashing and the Siren is going off.*

If the CO2 level reaches 3% the High Alarm will be activated. The Central unit will emit a constant audible tone, the Red LED on the Central unit will light solid, the display will show “**Alarm**” and the separate Warning Lamp and Siren will activate.

## **Response**

The room in which the sensor is located must be evacuated and not reentered when concentrations are over 3%. Only Emergency Personal that has the proper breathing equipment can enter and ventilate the area. The CO2 source can then be identified and repaired.

## **Resetting the Alarm**

Press the small black reset button on the bottom right side of the Central unit until it beeps and “**cleared**” is shown in the display. The display will now show “**online**” and rotate between the different measured values. The green lamp will be on.