GD-3000 FAQs

What is the lifespan of the GD-3000 sensor?

The sensor has a 5-year active lifespan; after this time the end-of-life signal will cause an error code t200 “Sensor expired”. In this error mode, the Alarm relay will be activated, the 4-20 mA current loop will go to 24 mA, the unit will display the error code, the green status indicator LED light will flash and the buzzer will chirp intermittently. The Fan relay will also engage if the Trouble Fan Setting Option is set to “ON”. The Fan relay will not engage if the Trouble Fan Setting Option is set to “OFF”.

Am I able to calibrate the sensor at its end of life?

Five (5) years after the GD-3000 is installed the sensor end-of-life signal will be activated indicating that the GD-3000 has reached the end of its typical usable life. The sensor life can be reset for 1 year. Max life is 6 years from initial install, then permanent EOL error will occur and the unit will need replaced.

What gases will the GD-3000 sense?

The GD-3000 allows you to select between methane, propane or hydrogen gas detection. The default gas setting is ME (methane). For other flammable gases, one can speculate on the anticipated sensitivity of the sensor alone, but since the relative sensitivities to various gases is also dependent on the mounting arrangement within an environment and other factors, it is always recommended that the instrument user determines the response of the sensor to the target gas by experiment using the final product wherever possible.

Where should I mount the GD-3000?

This would depend on several factors including the area size, gases detecting, ventilation locations, et cetera. Our advice is to mount the unit as close as possible to the equipment it will be protecting/monitoring and then conducting experimental testing. If the target gas is heavier than air; propane (LP), mount the GD low on a wall or column (about one foot above the floor) in a central area where air movement is generally good, if it is lighter than air mount the unit high on the wall or ceiling.

How is the GD-3000 powered?

The GD requires 3 W (max) from either 12 – 24 VAC or12 – 48 VDC sources.

What is the range of detection for a single GD-3000?

The range of detection for the GD-3000 is 900 sq. ft.