

## 3M™ Multi-Gas Detector 740 Series with Data Logging Software – Alarms and Warnings

When targeted gas concentrations reach an alarm or warning set point, warning and alarm signals will be activated.

**Gas Warning** – red LED periodically flashing. The gas warning is activated when the target gas concentration starts to approach the alarm set point. The gas warning starts at 50% of the target gas alarm set point or, for oxygen, 50% of the difference between atmospheric and high or low alarm set points.

**Alarm indication** – the alarm is activated when the alarm set point has been exceeded. This is indicated by sounding of the buzzer once every second, actuation of the vibrator and flashing of the red LED. The LCD will flash the level of gas and which sensor is in alarm. The LCD will also display if the sensor is in STEL or TWA alarm.

To silence the alarm for up to 5 minutes, press the POWER/SELECT button. The visual alarm will continue until concentrations fall below the alarm set points.

**Low Battery Alarm** – Sounding of buzzer with the words “LOW POWER” flashing on the LCD. When this alarm occurs, the unit should be taken to a safe location and the battery changed or charged.

**Other Warnings** – red LED flash and a periodic buzzer sounds for various detector conditions. Refer to the LCD screen to determine the cause of the reading. In most cases pressing the POWER/SELECT button will silence the alarm. The following conditions may cause alarm:

- Full Data Memory
- Sensor Past Due
- Replace Sensors
- Failed Test
- Replace Sensor Pack.

### **Sampling**

The detector may be used in diffusion (non-pump) mode. In diffusion mode, the atmosphere that immediately surrounds the detector is monitored. To monitor in a confined space, the detector should be lowered using a belt or rope and the concentrations checked at high, mid and low depths.