

## Operators training outline

### AMS 1100 CO monitor

#### **Decide if you want “on” or motion switch management;**

If your department is very active, leaving the monitors on full time will probably be your best choice since each start up requires more power than continuous operation.

A reasonable protocol for full on management would be a new set of two AA batteries each month since they will go about 40 days in a clean environment if on full time. The payback for that battery change is being “live” with the sensor reduces the need to constantly bump test since our green status light confirms the sensor is functioning and should you experience a sensor contamination, our monitor will inform you.

If your department has only occasional calls, the motion switch will allow your batteries to last dramatically longer.

#### **Turn on the switch;**

If your choice is to leave them on full time this is all that is necessary since full time “on” is the default setting.

If you wish to activate the motion switch management simply press the multi purpose button and hold it for about 5 seconds at start up. You will hear a series of beeps to acknowledge the motion switch has been activated.

Note: the motion switch will turn the monitor on with any movement and off after 45 minutes of not sensing either gas or motion. It will not turn off in the presence of a dangerous gas.

Note: When the motion switch has turned the monitor off, it is off. It will not sense gas in that state and must be moved to turn on again.

#### **Look for the green status light;**

You will see the status checking process through the red flashing light, then to green. At the point it turns green it is confirming the electronics are good and the sensor is functioning.

#### **Alarms are translated on the back of the monitor;**

If your monitor does alarm, turn it over for help in interpreting the alarm.

#### **To get the fastest possible response when entering an area of concern, cycle the switch;**

If the monitor has been “on” (not on motion switch management) it will go into a standby mode with slower sampling after ½ hour of not seeing gas. If it senses gas it will step up to more rapid sampling. Cycling the switch will return the monitor to the more rapid sampling at any time.

Monitors that are being managed by the motion switch will usually remain within that first half hour of rapid updates since each movement turns it on again. This is also the reason full on is better than the motion switch for full time operation.

#### **After an alarm event, wait for the monitor to regain zero before turning it off;**

Our technology burns off the contamination to bring the sensor back to its original condition and may need a few minutes to get to a solid zero after significant exposures but the life of the sensor is not shortened. Turning it off before that process is complete may result in the monitor waking up in an alarm mode the next time it is turned on. Simply wait a minute or so after the monitor stops alarming before turning off the switch.

**The multi purpose button overrides the audio alarm and activates the motion switch;**

See above for motion switch management.

Pressing the button will turn off the audio portion of any alarm if the noise is an irritation or concern to your patient. The audio alarm will reactivate every four minutes if gas is still present to alert you there is still an issue and the alarm light will continue to flash as long as gas is present.

**Troubleshooting;**

**The status light not continuing past red indicates an electronics issue.**

A blinking red light is non fatal – the sensor will function but something is wrong.

A solid red light means the monitor requires new batteries or repair before it can be used. The battery light will also be lit if that's the issue.

Repair is covered by warranty for the first five years.

**Short battery life is an indication of frequent stimulation.** Batteries will last up to 40 days in a clean environment. There's almost always some CO

generated by vehicles coming and going so some shorter time is acceptable but if the batteries are not lasting at least 30 days something is triggering an "event" and should be investigated. Look for alcohols in EMS or testing in exhaust. If the answer isn't obvious, call us for help. Through this feature our monitor allows you to address this kind of issue before the sensor is fatally contaminated.

**An alarm that won't clear in clean air is our fail safe telling you the sensor has a contamination it can't clear.**

Any time you have a question about an alarm simply walk into clean air and if the alarm clears it's a dangerous gas, if it sticks, it's probably contamination.

If the reading doesn't clear, put in fresh batteries and leave the monitor in clear air for several hours. It should self clean to a zero. If the self cleaning can't clear it, send it in for service.

Note; A monitor showing a small alarm is still usable. It will accurately register any amount of gas above the alarm it is showing in that event, but should be serviced before further use.

**A monitor in full alarm that won't clear in clean air is fatally contaminated or otherwise poisoned and cannot be used.**

Call for a return authorization so we can repair it for you. Accidental poisoning is covered under our warranty.

**NEVER TEST YOUR MONITOR IN VEHICLE EXHAUST.** We offer a full check of all systems and unit calibration at any time for \$25.00. You can do a simple bump test by placing the monitor in a small plastic bag and running some CO in. If you must use vehicle exhaust, leave the monitor in a place AWAY FROM THE VEHICLE in a building with a vehicle running. Don't leave it long – the buildup of CO could become dangerous and it builds very quickly. The contents of vehicle exhaust will poison any CO sensor held directly in it – "off to the side" is not far enough away.

This is being provided as a training aid and is not a complete operator's handbook and does not change any of the terms and conditions of that handbook. Please do read the handbook that came with your monitor for full instructions, warranty provisions, precautions and warnings.