

## PATRIOT PERSONAL GAS ALARMS USER INSTRUCTIONS

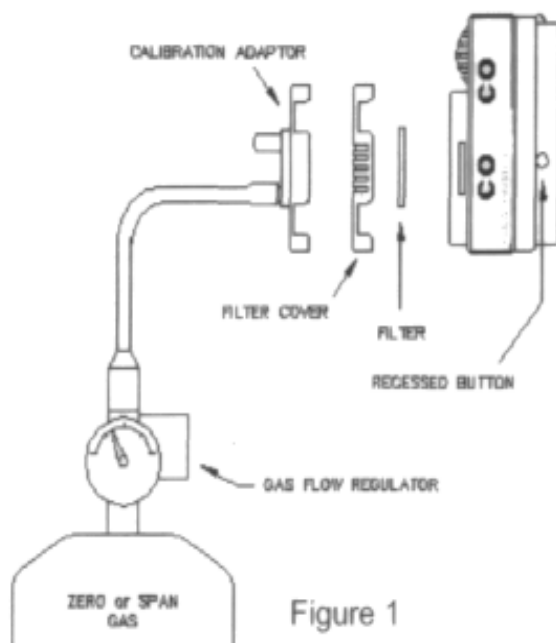
### FIRST TIME USE:

1) **ACTIVATE PATRIOT** Using the tip of a ballpoint pen, press and hold the recessed button until 3 beeps are heard and then release the button. A second set of 3 beeps will sound in 2 minutes indicating the Patriot is activated and stabilized. Once activated, the Patriot will flash its LED every 5 minutes to indicate it is operational. NOTE: Step 1 is only necessary once, upon initial use of the Patriot. Once activated, the Patriot will remain on for 2 years.

2) **ZERO AND SPAN ADJUST** Follow the calibration instructions.

### CALIBRATION:

For calibrating the Patriot, please refer to the following diagram:



## ZERO ADJUST (Refer to Figure 1)

- 1) If in a fresh air atmosphere skip to step 5, otherwise, perform steps 2, 3 and 4 before proceeding to step 5.
- 2) Remove the filter cover from the front of the Patriot.
- 3) Attach the calibration adapter, tubing and gas flow regulator to the front of the Patriot. Tubing **MUST** be attached to the bottom inlet of the calibration adapter.
- 4) Apply the "zero air" calibration gas
- 5) Press and hold the recessed button until 2 beeps are heard (approximately 12 seconds) and then release the button. A subsequent set of 3 beeps will sound within 1 minute indicating the zero adjust is complete.

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## SPAN ADJUST (Refer to Figure 1)

Span gas must be applied within 30 seconds of completing zero adjust.

- 1) Remove the filter cover from the front of the Patriot.
- 2) Attach the calibration adapter, tubing and gas flow regulator to the front of the Patriot. Tubing **MUST** be attached to the bottom inlet of the calibration adapter.
- 3) Apply the span gas. (**SPAN GAS MUST MATCH THE TYPE AND CONCENTRATION NOTED ON THE SIDE OF THE PATRIOT**)
- 4) Within 2 minutes, a set of 4 beeps will sound indicating span adjust is complete and the Patriot is ready for use. If the span calibration is unsuccessful, 3 long beeps will sound and calibration will be aborted. Check the calibration gas and tubing connections before re-attempting to calibrate the Patriot. If calibration continues to fail, discontinue use of the Patriot and contact Metrosonics.

## VERIFYING PATRIOT IS ACTIVATED

Press and release the recessed button. A short beep and flash of the alarm LED confirms the Patriot is activated and operating. If either the audible or visual alarms do not respond, discontinue use of the Patriot and contact Metrosonics.

## LIFE EXPECTANCY:

When the Patriot nears the end of its 2 year life expectancy, it will flash its LED twice every 5 minutes. At this point, the Patriot should be removed from use, as it may expire at any moment. When the Patriot's useful life does expire, it will sound its alarm continuously until the battery is completely drained.

## DAILY USE:

### BUMP TESTING THE PATRIOT (Refer to Figure 1)

- 1) Remove the filter cover from the front of the Patriot.
- 2) Attach the calibration adapter, tubing and gas flow regulator to the front of the Patriot. Tubing **MUST** be attached to the bottom inlet of the calibration adapter.
- 3) Apply the span gas (**SPAN GAS MUST MATCH THE TYPE AND CONCENTRATION NOTED ON THE SIDE OF THE PATRIOT**).
- 4) The Patriot should alarm within 1 minute of applying the span gas. If it does not, discontinue use of the Patriot and follow the calibration instructions. If subsequent bump tests do not produce alarm within 1 minute, discontinue use of the Patriot and contact Metrosonics.

For assistance, please contact Metrosonics at  
716-427-7402 or 800-654-7778