CO2METER.COM
CO2 MEASUREMENT SPECIALISTS

# $CO_2$ Alarm Responses

## ALARM 1

When the air around the CO2 monitor reaches 5,000 ppm Time Weighted Average (TWA is a rolling 8-hour average) the following will happen:

- RED LED for AL1 will blink once per second
- No audible indicator will sound

**NOTES FOR STAFF:**

1. Don't panic.
2. This alarm is telling the user that the device is detecting elevated levels of CO2 for more than 8 hours per OSHA requirements.
3. Something is happening that is out of the ordinary but it is NOT serious.
4. Check to see if any of the syrup bags in the rack have run dry or if a keg coupler is open

## ALARM 2

When the air around the CO2 monitor reaches 5,000 ppm (0.5%) Carbon Dioxide, the following events happen:

- Red LED for AL2 will begin blinking once per second and an 90 dB audible alarm sounds once per second

**NOTES FOR STAFF:**

1. Don't panic.
2. This alarm is telling you that an issue is occurring that you need to take note of and remedy.
3. Prop open an exterior door immediately to allow fresh air into the facility.
4. Turn on ventilation if available.
5. If the detector in the walk-in is alarming prop open the door to the walk-in to ventilate to cooler.
6. Warn other employees of a potential issue.
7. Check to see if any of the syrup bags have run dry or if a keg coupler is open
8. If alarm persists longer than 30 minutes contact your draft technician and CO2 supplier to come on site to find the cause of the CO2 leak.

## ALARM 3 - this is OSHA's Evacuation Limit!

When the air around the CO2 monitor reaches 30,000 ppm (3.0%) Carbon Dioxide, the following events happen:

- Red LED for AL3 Begins blinking twice per second and an 90 dB audible alarm sounds twice per second

**NOTES FOR STAFF**

1. Don't panic.
2. Move with urgency.
3. Staff and customers should evacuate the facility immediately and congregate in the designated muster area.
4. On the way out prop open an exterior door to begin ventilation of the space.
5. Turn on ventilation if available.
6. Do not attempt to find the leak and rectify the issue yourself – leave this to a trained professional.
7. Contact the local fire department and notify them that a CO2 leak is occurring.
8. If applicable, contact your district/area/facilities manager and notify them of a CO2 incident.
9. Contact your gas supplier and notify them of a CO2 incident.
10. If the leak is detected in the walk-in cooler contact your draft installation and service company.
11. Once CO2 Levels have returned to normal and the fire department gives the "all clear", the alarm will stop sounding. Crews can return to work.

## FLT

The FLT is an indication of either there is an operational issue with the monitor OR that the device, at some point, went into full alarm status.

**Error Status:**

- If the device has an operational issue the FLT light will blink and an error code will appear on both the main and remote units. The code can be reference in the device manual.
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- If the device, at some point, went into full alarm status (AL3 = 30,000+ ppm) the FLT light will blink.