

**blacklinesafety**

G7

Gas Detection Guide

# GAS DETECTION ALARMS & ALERTS

G7 will automatically zero on start-up. It will monitor your safety and notify you of gas exposure.

Gas detection features will notify you with either a yellow warning alarm or a red alert.

Yellow warning alarms are between you and your G7.

Red alerts are immediately sent to monitoring personnel.

All settings are customizable within Blackline Live. Speak to your safety supervisor to learn about how your G7 gas features are configured.

## Yellow Warning Alarm

### ● ● ● Rapid blinking ● ● ●

#### **Low warning alarm for gas**

If a sensor detects a low concentration gas level.

#### **Under limit**

If a sensor's baseline shifts and is unable to obtain an accurate gas reading.

#### **Sensor error**

If a sensor stops working for any reason.

#### **Calibration and bump test**

If a sensor is due for a calibration or bump test.

## Red Alerts

### ● ● ● Rapid blinking ● ● ●

#### **High alert for gas**

If a sensor detects gas levels above the maximum gas concentration.

#### **STEL (short term exposure limit)**

If a sensor detects you have reached the short-term exposure limit configured.

#### **TWA (time weighted average)**

If you have reached the average gas amount of repeated exposure in an eight-hour period.

#### **OL (over limit)**

If an excessive amount of gas is detected and sensors cannot provide an accurate gas reading.

Visit [support.BlacklineSafety.com](http://support.BlacklineSafety.com) to download the technical user manual with descriptions of how to use and configure your device features and specifications.

## CUSTOMER CARE

For technical support, please contact our Customer Care team.

### **North America (24 hours)**

Toll Free: 1-877-869-7212

[support@blacklinesafety.com](mailto:support@blacklinesafety.com)

### **United Kingdom (8am-5pm GMT)**

+44 1787 222684

[eusupport@blacklinesafety.com](mailto:eusupport@blacklinesafety.com)

### **International (24 hours)**

+1-403-451-0327

[support@blacklinesafety.com](mailto:support@blacklinesafety.com)

# CALIBRATION

Gas sensors periodically need to be calibrated by applying a known concentration of gas for a set amount of time. This procedure ensures the gas sensor can accurately detect gas levels throughout its operating life. The calibration schedule depends on your company's safety policy. Blackline recommends not exceeding 180 days without a calibration.

## BUMP TEST

It is safe practice to regularly test alarm indicators (light, sound and vibration) by applying enough gas to confirm the sensors will trigger an alarm when gas is detected. The bump test schedule depends on your company's safety policy.

## ZERO SENSORS

If G7 is not reading zero and you know you are in an atmosphere with no gas, your gas sensor readings may have shifted. If this happens you can zero your sensors to reset the baseline.



# CHANGING CARTRIDGES



1. Power off G7
2. Using a Torx T8 screwdriver, remove the screws on each side of the device
3. Pull up on the cartridge
4. Slide a new cartridge onto G7, ensuring the cartridge clicks into place
5. Replace screws into each side

**NOTE:** Do not use electric screwdrivers for changing cartridges.

# CARTRIDGE REPLACEMENT PROGRAM

If you have an uninterrupted gas service plan, Blackline will replace expired cartridges for you free of charge.

To inquire about or request new cartridges, please contact our Customer Care team or your distributor.