blacklinesafety

G7ᶜ

ALARMS DON'T SAVE PEOPLE.
PEOPLE SAVE PEOPLE.

Blackline Safety's G7c uses 3G cellular networks to wirelessly connect your team to real people. Should a gas leak, injury or health event occur, G7c confidently accounts for everyone's wellbeing and whereabouts in real-time.

G7c automatically watches over workers and calls for help, even if they can't. All safety incidents are communicated to live 24/7 monitoring personnel who can mobilize responders to an employee's exact location or trigger an evacuation in real-time. With a two-way speakerphone, monitoring personnel can communicate with the worker directly, providing critical insights of a situation or emergency event.

With a modular design, G7c delivers exclusive customisability. Gas detection is tailored to work environments with a selection of cartridges and sensors — everything is completely configurable. Bump test and calibration data is communicated automatically to Blackline's monitoring portal, Blackline Live, for real-time compliance visibility and reporting. Wireless connectivity ensures that each G7c is remotely configurable, and that firmware updates are automatic.

In Blackline Live, the real-time safety and alert status of every worker in the field is available at a glance. Every alert is automatically communicated to the portal, and managed according to custom documented emergency response protocols. From incident through to resolution, all activities are time-stamped for future reporting, including notes that are used to document the response.

Features

Fall detection

No-motion detection

Messaging

Speaker phone

SOS alert

Check-in

GPS location

Indoor location compatible

Gas alarms

DETAILED SPECIFICATION

Standard G7 Safety Alert Features

All safety alerts are transmitted immediately to the Blackline Safety Network

Fall detection and No motion detection: Tri-axis accelerometer, tri-axis gyro, software processing, configurable sensitivity, configurable time window (1-30 mins, or off) for no-motion detection
SOS latch: Pull latch to trigger red alert
Silent SOS: Press and hold latch to trigger red alert
Low-battery: configurable threshold
Worker check-in: Configurable timer (5–180 min, or off), automatic check-in when driving

Additional Safety Features Available with Gas Cartridges

All gas alerts are transmitted immediately to the Blackline Safety Network

Time-weighted average (TWA)
Short-term exposure limit (STEL)
High gas alert
Low gas alert
Bump test and calibration notification
Bump test and calibration failure alert

Size & Weight

G7 with Standard Cartridge
Size: 64 mm x 124 mm x 27 mm (2.52" x 4.88" x 1.06")
Weight: 162 g (5.7 oz)

G7 with Single-gas Cartridge
Size: 64 mm x 128 mm x 27 mm (2.52" x 5.04" x 1.06")
Weight: 167 g (5.9 oz)

G7 with Quad-gas Cartridge
Size: 66 mm x 150 mm x 27 mm (2.52" x 5.91" x 1.06")
Weight: 192 g (6.8 oz)

Single-gas and Quad-gas Sensor Options

H_2S, LEL, CO/CO-H, O_2, NH_3, SO_2
Coming soon : Cl_2, COSH, CO_2, LEL-Pellistor, PID

User Interface

168 by 144 pixel graphical, high contrast, liquid crystal display with front lighting, menu system driven by a three-button keypad, power button (on/off), check-in button (check-in/silent SOS), SOS latch (send SOS alert)

User Notification

Green SureSafe® light: Blinking (powered), continuous (connected)
Yellow top and front lights: Yelliow pending alarm and yellow warning alarm
Red top and front lights: Red alert communicated
Blue LiveResponse™ top and front lights: Confirmation that alert has been acknowledged
Alarm Indicators: Speaker, LEDs and vibration motor
Speaker sound pressure level: ~90 dB @ 10 cm (~90 dB @ 3.94")
Voice calling: Speakerphone and phone modes

G7c Wireless Radio

Wireless coverage: ~200 countries
North America: 2G/3G radio, GSM 850 MHz, PCS 1900 MHz, 3G UMTS bands 2, 5 and 6
International: 2G/3G radio, E-GSM 900 MHz, DSC 1800 MHz, 3G UMTS bands 1 and 8
Antenna: Internal dual-band

Wireless Updates

Device configuration changes: Yes,
Device firmware upgrade over-the-air (FOTA): Yes

Location Technology

GPS Radio: 48-channel high sensitivity
Assisted-GPS: Yes
GPS Accuracy: ~5 m (16 ft) Outdoors
Indoor location technology: Blackline Safety location beacons
Location update frequency: G7c 10 sec, G7x 15 min

Power & Battery

Rechargeable Li-ion battery: 1250 mAh Li-ion
Battery Life: 18 hours continuous operation at 20° C (68° F)
Charge time: 4 hours

Environmental

Storage temperature: -30℃ to 75℃ (-22°F to 167°F)
Operating temperature: -20℃ to 55℃ (-4°F to 131°F)
Charging temperature: 0℃ to 45℃ (32°F to 113°F)
Ingress Protection: IP67

Approvals

SAR, RoHS, CE, RCM
FCC ID: XPY1CGM5NNN | **IC ID:** 8595A-1CGM5NNN
Canada and USA: Class I Division 1 Gr A,B,C,D T4; Class I Zone 0 AEx ia IIC T4; Ex ia IIC T4 Ga
IECEx: Ex ia IIC T4 Ga
ATEX: Ex ia IIC T4 Ga C€ ⟨Ex⟩ II 1 G

LEL-NDIR: -20℃ to 45℃ ; CSA C22.2 No.152; ISA 12.13.01
LEL-Pellistor: Ex ia IIB T4 Ga; Ex ib IIC T4 Gb

Pending Approvals

LEL-Pellistor: Ex ia IIC T4 Ga; CSA C22.2 No. 152; ISA 12.13.01

Warranty

G7: Two years
Cartridges: Lifetime
G7 complete plan: Three years

Blackline Live Web Application

Cloud-hosted safety monitoring web application is highly customizable for every customer requirement. Includes live map, employee address book, user roles, alert management, device configurations, alert setups and reporting.

AUTHORIZED BLACKLINE SAFETY RESELLER

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Phone: +64 9 480 0860 | www.guardianangelsecurity.co.nz