Smart G4 Safety and Security Solutions

Better life - Safer life

Rev.1

Is a mix of emotional, physical precaution, and knowledge

Child and Student Safety and G4

Smart G4 gives big attention to safety of children either at home or at school

we have solutions that track child, ensures his attendance, ensures his riding of school bus ensures where and when the child was delivered back home.

We log and track,
we share and care

Smart G4 also ensures that no child is left forgotten inside car or schoolbus

Sensors and counters to alert in case any person is left un attended inside locked vehicle or bus

At School we have solutions for protecting students during active shooting incident

◀ easy and fast classroom Locking safety measure by ERA-G4

Smart G4 Pool eye safety

▶ Pool invisible fence crossing alert
Pool eye to alert in case of drawning

Gas Leak & Fire Safety

Smart G4 Connects to Gas Detectors and to Smoke/Diff. Heat Detectors monitors them and Alerts if risk has been detected & Shuts off Gas, Release trap doors, and exhausts smoke

UV rays Safety

Smart G4 UV level monitoring and Alert is another unique Feature that adds to G4 safety abilities. G4 Announces and sends text messages to alert for safety

Garage CO & Air Quality Safety

G4 Air Quality and detection of harmful gases and CO level detection and alert helps keep our garages and passages safe

Water Leak Safety

Water leakage detection and water shutoff is another important aspect that G4 adds to safety of buildings, furniture and electronics

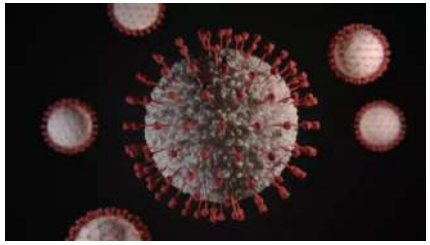
Sump Pump Safety

G4 monitors pump trip, water level and alerts by SMS, and Voice about the risk. G4 also takes direct measures automatically starting auxiliary pumps to overcome the flow

Elevator Safety

Being Trapped inside elevator is less stress with G4 smart abilities that Automatically Parks elevator, and opens doors. Also calls and connects the passenger entrapped to outside world Calling Parent, friends, and Elev. co.

Health Safety



MCUBE Disinfection is EPA Approved Method of Sanitation

Smart G4 monitors temperature air quality, and ensures micro-bacterial disinfection scheduling to keep the interiors safe
Our mellecube disinfection machines ensures this process to perfection

Smart G4 Monitor filters differential pressure and alerts for cleaning and disinfection for best air quality

Smart G4 monitor pool water ozone and chemicals to ensures safe swimming for all family members

Elderly & parenting Safety

Smart G4 Elderly solution ensures safety of the beloved elderly. G4 helps emergency panic calling, reminders of medicine, reporting of elderly breakfast, toilet, and other habits.

Disaster Alert Safety

Smart G4 has ready solutions to connect to national and local advance alert central system to alert by voice and text, by visual and audible way informing people about the expected disaster and the sheltering or evacuation procedure. This is applicable for all types of safety needs like: Earth-quake, Volcano eruption, Tornado and Typhoons, flooding, missile attack wind storms, sand storms, hailing, fire, and other.

SECURITY

Video Intercom

IP Video intercom is a very Important solution that smart G4 provides in an integrated security, access control, and Automation control System together.

Access Control

Smart G4 provides easy and secure access control system either it is a door, or gate, G4 provides the perfect products to easily control and monitor the access status and grant secure entry to the authorized only.

Perimeter Security

G4 can integrate directly to 3rd party perimeter fence protection security system

Camera Security

Smart G4 Intercom accepts IP cameras integration. G4 IO also integrates to CCTV DVR and other security devices This integration can drive logic and actions that can be auto activated or on demand.

Defendors

Once alarm is triggered, and help is called, smart G4 starts activating local defending and damage delay system by activating Rapid-Fog, kick sounders, even Sleep Terminator to make sure that enough time is given to police to arrive before any loss takes place site.

Burglar Security

Smart G4 provides complete burglar protection alarm and security solution. It accepts to receive 3rd party detectors and sensors. as well as Audio visual alert products.

Smart G4 Security Module can Monitor 250,000 addressable sensors and detectors

Smart G4 can Execute 7 Lines of defence:

1- Detect and deter before intruder reaches to perimeter (light up and flash fence lights)
2- Detect and alert and immune the fence perimeter (Electrify and shock)
3- Detect and defend if intruder crosses the perimeter (spray water, dog sounds, flash lights)
4- Detect and Alert if intruder breaks into building (Silent, and Audible alarm)
5- Disturbing intruder (Announcing police approach, arrival, while closing of gates and shutters entrapment feel effect)
6- Detect location movement of intruder and kick action (Ear piercing Kick sounders to start showing defence)
7- Detect advancement of intruder then activating Final defence action (rapid fog, and sleeping terminators)
this gives enough time for dwellers to hide, and for intruder to take nothing, while allowing time for police to arrive.

Smart G4 can arm itself and disarm logically based on intelligence and time/occupancy activity
this adds to the security and safety feel. even if you forget, system intelligence takes over.

Smart G4 security and safety system works together as integrated unity and compliments to each other.

Keypad

Control

Dialer

Multi function sensor

Input module

Selected Security Input devices examples

Smoke/Heat Detector

IR active Beam

Magnetic Reed Contact

Gas Leak Detector

Gas Shut off Valve

Pressure Matt

Cobra Microwave/PIR

Shock/ Vibration Sensor

UV flame detector

Panic Buttons

Several other Input devices like: Perimeter Detectors, Motion radars, Leakage sensors, IO and Level sensors, ultrasonic, Glass break, sound level detectors, Ohm and current meters, 3rd Party outputs Digital and analogue integration, and other..

Selected Security Output devices examples

Siren/Flasher

Sound Blaster

Terminator

Rapid-FOG

Silent Alarm

Voice Prompter

Several other Output devices like: Light Controllers, Water Pump controllers, Valve controllers, Motor controllers electric shock inducers, motorized shutters, 3rd Party inputs Digital and analogue integration, and other..

Sample Connection Diagram

Smart-BUS Ready PIR Sensors with Logic, or Simple

2 in 1 | 9 in 1 | 5 in 1 | 6 in 1 | SB PIR

SMS

Smoke/Heat/gas | IR Beam | Magnetic

Any Burgular Alarm detector or sensor that is NO/NC based. Like: PIR, Magnetic Door & window Contact, Industrial Magnetic for garage and Gate, Pressure Matt, Break Glass, Shock Sensors, elevator panic ++

24Z

Any Safety Alarm detector or sensor that is NO/NC based. Like: Cocking Gas Leak Detectors, Garage CO gas, Smoke detector, Pool Guard, water Leak, Granny Panic.. etc.

4Z

Water Leak Detectors, Freeze Temp Alert, Water low Tank Level High Humidity Level, Air Quality

i/O

Audible Siren, Visual Flasher, Silent Dialer or any NO/NC Triggered Third Party Devices.

3R

Siren Flasher

CM8

UPS-Battery

P.S.

Security Module

DDP

RSIP3

SEC-PAD

CTP

Relay Actuators

Shutters, Gates Pumps, Lights ++

IPHONE & IPAD

WIFI

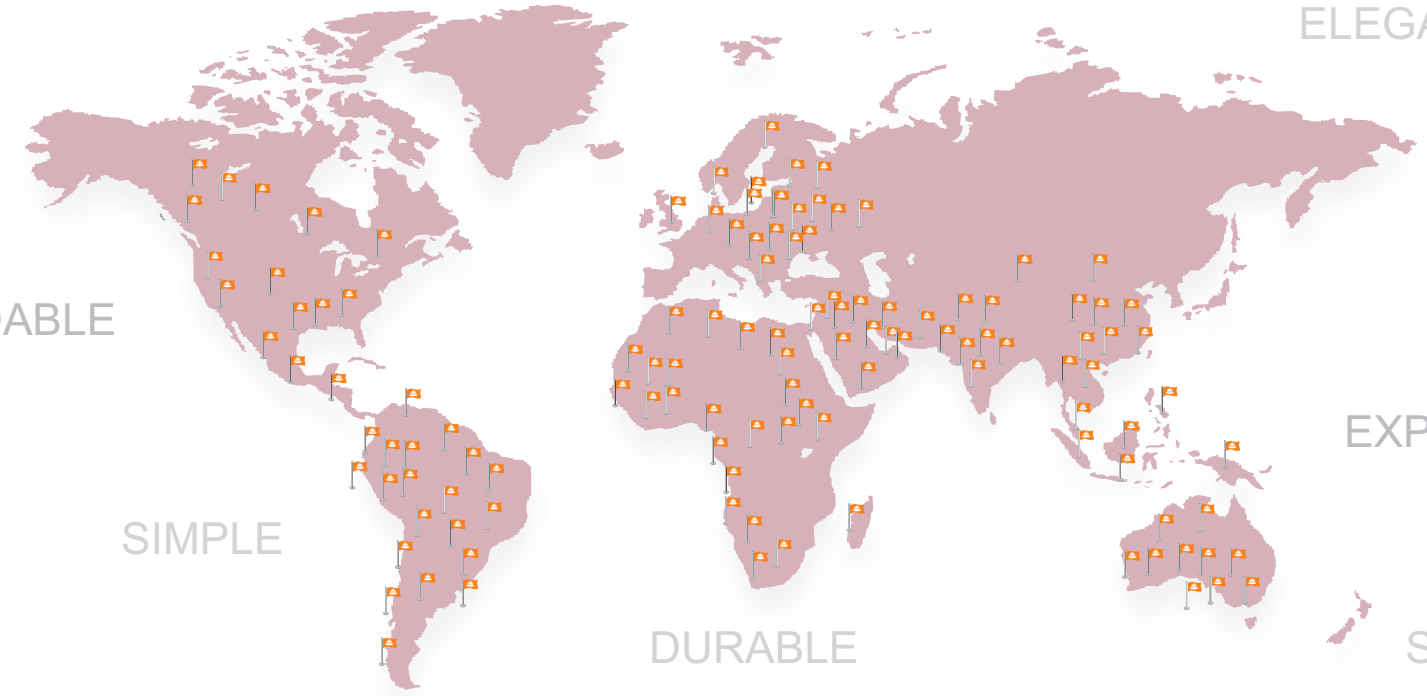
PC

250,000 Addressable zones capacity

G4s

CUTTING EDGE

ELEGANT



AFFORDABLE

EXPANDABLE

SIMPLE

DURABLE

SMART

www.smartg4.com

SMART Group Americas

Sweden | Nigeria | Canada | Hong Kong | Italy | Dubai