



Smart G4 Safety and Security Solutions  
Better life - Safer life

Rev.1



# SAFETY

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.



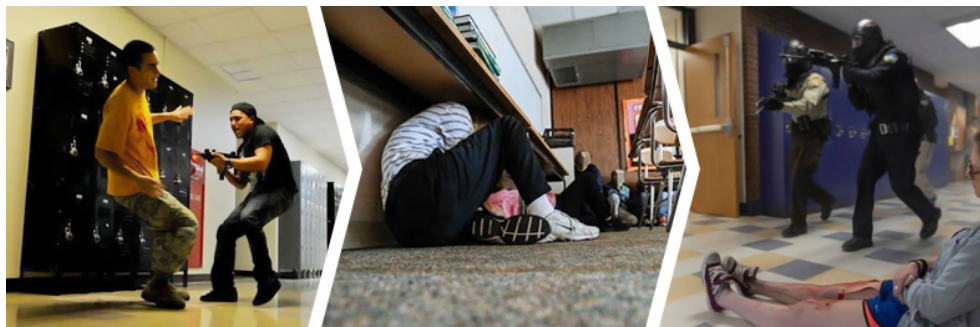
We log and track,  
we share and care

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

Pool invisible fence  
crossing alert  
Pool eye to alert  
in case of drawing

Smart G4 Pool eye safety





## 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



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.

## Elderly & parenting Safety




## 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.



## Defensors

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.





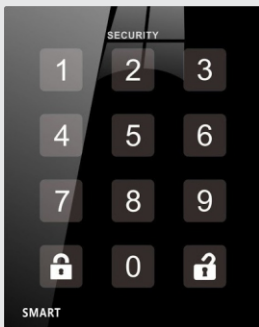
Smart G4 Security Module can Monitor 250,000 addressable sensors and detectors

**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

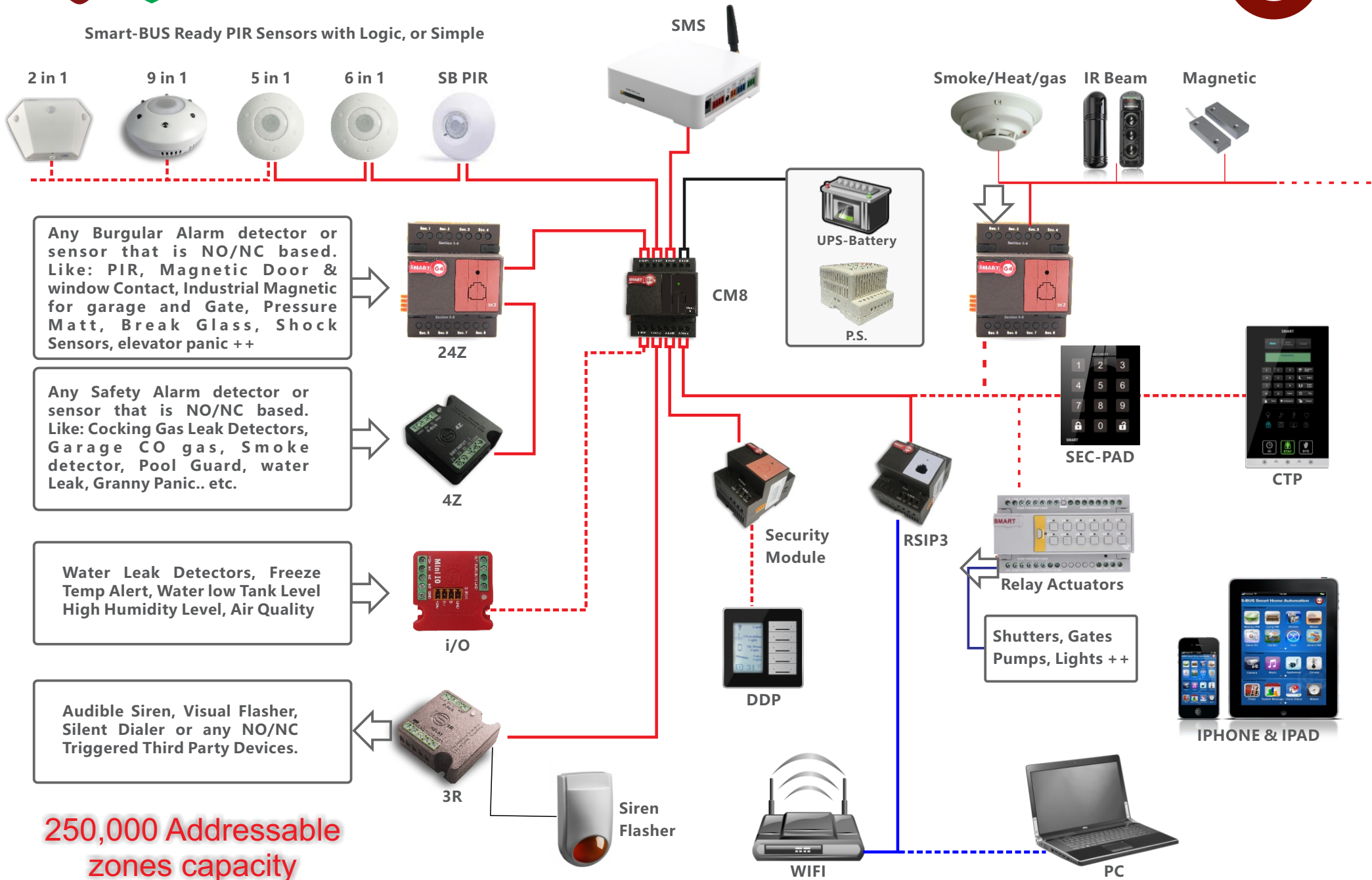
Several other Output devices like: Light Controllers, Water Pump controllers, Valve controllers, Motor controllers electric shock inducers, motorized shutters, 3rd Party inputs Digital and analogue integration, and other..



# Sample Connection Diagram



Smart-BUS Ready PIR Sensors with Logic, or Simple







CUTTING EDGE

ELEGANT

AFFORDABLE

EXPANDABLE

SIMPLE

DURABLE

SMART

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