



33+
Years of Expertise

**Largest
Manufacturer
of India**

**Exporting to
More than
15 + Countries**

**Visit our Factory
for Live
Demonstration**

Complete Range of Gas, Flame & Heat Detection Solutions

Manufacturing of :

- Toxic Gas Detectors/Transmitters
- HC Gas Detectors/Transmitters
- Oxygen Gas Detectors/Transmitters
- VOC Gas Detectors/Transmitters
- Portable Gas Detectors
- Wireless Gas Detectors
- UV /IR Flame and Heat Detectors
- Ember Detectors
- Percent O₂ Analyzer
- Trace Oxygen Analyzer
- Dew Point Analyzer
- Bio Gas Analyzer
- Stand alone Gas Monitors
- IoT System for remote monitoring on cloud & Alerts via SMS/E-mail/Voice call



On site Services For :

- On site Calibration Services
- On site AMC/CMC
- On site Installation and commissioning
- Customized Development
- Repairing and Calibration of any Make and any Model



+971 4 8807127



+971 585021291



info@gulffireco.com



www.gulffireco.com



Loop Powered Detector Oxygen/NDIR/Toxic -(2 Wire)



GT-1033-WP

- 2 Line L.C.D. Display with backlight
- Pluggable smart Sensor module
- Toxic/O₂/NDIR-CH₄ Gas Detection
- 2 wire 4-20mA O/P & HART output available
- IP65 Enclosure



GT-1033-FLP

Intrinsically Safe

Design Patent No. 335348-001

- 2 Line L.C.D. Display with backlight
- Pluggable Sensor module
- Toxic/O₂/NDIR-CH₄ Gas Detection
- HART output available
- Ex d IIC T6 Gb • Ip68

Smart Gas Detector - Combustible - (3 Wire)



GT-4000-WP

- 2 x4 digit L.E.D. Display
- 0 TO 100% LEL
- 3 Wire connection
- 4-20mA Output
- IP65 Enclosure



GT-4000-FLP-HCF

Design Patent No. 335348-001

- 2 x4 digit L.E.D. Display
- 0 TO 100% LEL
- 3 Wire connection
- 4-20mA Output
- Exd IIC T6 Gb • IP66/IP68 Enclosure

Smart Gas Transmitter Oxygen/Toxic/Combustible - (3 Wire / 4 Wire) - L.E.D. Display



GT-2500-WP-HCF

- 2 Line L.E.D. Display
- 3 Wire, 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P
- IP65 Enclosure



GT-2500-FLP-HCF

Intrinsically Safe

Design Patent No. 364963-001

- 2 Line L.E.D. Display
- 3 Wire 4-20mA
- Isolated RS-485 O/P
- With Hooter cum Flasher
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure



GT-2500-FLP-SS-HCF

Intrinsically Safe

Design Patent No. 364963-001

- 2 Line L.E.D. Display
- 3 Wire 4-20mA
- Isolated RS-485 O/P
- With Hooter cum Flasher
- Ex d IIC T6 Gb
- IP66 Enclosure



GT-2500-FLP-HCF-JB-150

Design Patent No. 343391-001

- 2 Line L.E.D. Display
- 3 Wire 4-20mA
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Smart Gas Transmitter Oxygen/Toxic/Combustible - (3 Wire / 4 Wire) - L.C.D. Display



GT-2511-WP-HCF

- L.C.D. Display
- 3 Wire, 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P
- IP65 Enclosure



GT-2511-FLP-HCF

Intrinsically Safe

Design Patent No. 364963-001

- L.C.D. Display
- 3 Wire with HART
- With Hooter cum Flasher
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure



GT-2511-FLP-SS-HCF

Intrinsically Safe

Design Patent No. 364963-001

- L.C.D. Display
- 3 Wire with HART
- 3 Nos. Relay
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66 Enclosure



GT-2511-FLP-HCF-JB-150

Design Patent No. 343391-001

- L.C.D. Display
- 3 Wire with HART
- With Hooter cum Flasher
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Smart Dual & Triple Gas Transmitter Oxygen/Toxic/Combustible



GT-5022-FLP-HCF

- Digital Display
- Pluggable Gas Sensor
- 2x 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P



GT-6022-FLP

- LCD display
- High resistance to poisoning
- PPM, %V/V, %LEL detection
- Standard 4-20mA signal O/P
- RS-485 with MODBUS RTU
- Electronics 'Test Mode' provided



GT-4220-WP-HCF

- 1 x 4 digit L.E.D. Display
- 2 Nos. Relay
- Isolated RS-485 I/P or
- Isolated 4-20mA I/P
- IP65 Enclosure



GT-4220-FLP-HCF

Design Patent No. 335348-001

- 1 x 4 digit L.E.D. Display
- 2 Nos. Relay
- Isolated RS-485 I/P or
- Isolated 4-20mA I/P
- Ex d IIC T6 Gb • IP66/IP68 Enclosure

Stand Alone Smart Gas Detector / Monitor



GA-3500-WP-D

- L.E.D. Display
- 3 Nos. Relay
- 4 -20mA O/P
- Isolated RS-485 O/P
- 230VAC
- IP65 Enclosure



GA-3500-FLP-D

Design Patent No. 343391-001

- L.E.D. Display
- 3 Nos. Relay
- 4 -20mA O/P
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- 230VAC
- IP66 Enclosure



GA-3511-WP-D

- L.C.D. Display
- 3 Nos. Relay
- 4 -20mA O/P
- Isolated RS-485 O/P
- 230VAC
- IP 65 Enclosure



GA-3511-FLP-D

Design Patent No. 343391-001

- L.C.D. Display
- 2 Nos. Relay
- 4 -20mA O/P
- Isolated RS-485 O/P
- 230VAC
- Ex d IIC T6 Gb
- IP66 Enclosure

Smart Gas Transmitter (with HART)



GT-5011-FLP-HCF

- Digital Display
- Pluggable Gas Sensor
- 1x 4-20mA O/P
- 3 Nos. Relay (AL1, AL2, Failsafe)
- Isolated RS-485 O/P



BGD-6033-WP

- 2 Line L.C.D. Display
- 1 year Battery Life
- Toxic/O₂ Gas Detection
- Inbuilt Buzzer
- IP65 Enclosure



BGD-6033-FLP

Design Patent No. 335348-001

- 2 Line L.C.D. Display
- 1 year Battery Life
- Toxic/O₂ Gas Detection
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

Battery Powered Gas Detector Oxygen/Toxic/Combustible



WGD-100-FLP

- Battery Operated
- upto 1 year Battery life

- SMS /E-mail & Voice call Facility to control room
- IP-66 Enclosure

Gas Leak Detector for Domestic / Commercial Kitchens for detecting leak of LPG / CNG / PNG / Natural Gas / Flammable Gas

GLA-222-T



- Smallest gas leak with integrated Buzzer & L.E.D. indication
- Helps to detect Gas & Excess Temp. indication

GLA-222-B



- Smallest gas leak with integrated Buzzer & L.E.D. indication
- Helps to detect Gas & Excess Temp. indication

GLA-222-B - WL



- Semiconductor Technology
- Optimised for detection of smallest gas leak with integrated Buzzer & LED indication and sends alert & ok status to the master device wirelessly
- Easy installation
- 230VAC powered.

GLA-222-FLP



Design Patent No. 335348-001

- Smallest gas leak with L.E.D. indication
- Easy Installation
- 230VAC powered/ 24VDC

Smart Alert System (RS-485)

SAR-321-WP-HCF



- Isolated RS-485 Communication port with MODBUS RTU
- Self test facility
- Repeater Detector Monitor
- Remote acknowledged Key
- Hooter & Flasher ON/OFF pattern is programmable • IP66 / IP68 Enclosure

Smart Alert System (RS-485)

SAR-321-FLP-HCF



Design Patent No. 335348-001

- Isolated RS-485 Communication port with MODBUS RTU
- Repeater Detector Monitor
- Remote acknowledged Key
- Self test facility
- Hooter & Flasher ON/OFF pattern is programmable • IP66 / IP68 Enclosure

Addressable Manual Call Point

ACP-321-WP-HCF



- Self test facility
- Monitoring device relay contacts can connected as Digital Output
- Remote acknowledged Key
- Hooter & Flasher ON/OFF pattern is programmable • IP66 / IP68 Enclosure

Addressable Manual Call Point

ACP-321-FLP-HCF



Design Patent No. 335348-001

- Self test facility
- Monitoring device relay contacts can connected as Digital Output
- Remote acknowledged Key
- Hooter & Flasher ON/OFF pattern is programmable • IP66 / IP68 Enclosure

Weatherproof Hooter cum Flasher

HCF-WP-S-RH



- Red/Green/ Amber Flasher
- Sound level : 95 / 100 dB
- M-12/M-20 Connection
- 24 VDC Supply

Flameproof Hooter-cum-Flasher

HCF-FLP-2C



- Red/Green/ Amber Flasher
- Sound level : 95/ 100 dB
- Stainless Steel 316/304
- M-20 Connection
- 24VDC I/P
- CIMFR & PESO approved
- IP66

Weatherproof Hooter cum Flasher

HCF-WP-B-RH



- Red/Green/Amber Flasher
- Sound level : 105 dB/110 dB
- M-20 Connection
- 24 VDC Supply

Flameproof Hooter-cum-Flasher- BIG

HCF-FLP-B-IIC



- Red/Green/Amber Flasher
- Sound level : 105 dB/110 dB
- Stainless Steel 316 / 304
- M-20 Connection
- 24 VDC Supply
- CIMFR & PESO approved
- IP66

Weatherproof Hooter cum Flasher

HCF-HEX-110-WP



- ABS Plastic Enclosure
- 12/24 VDC Supply
- M-12/M-20 Connection
- Sound level : 110 dB

Weatherproof Hooter cum Flasher

HCF-HEX-110-WP



- ABS Plastic Enclosure
- Red/Green/Amber Flasher
- 12/24 VDC Supply
- M-12/M-20 Connection
- Sound level : 110 dB

Flameproof Junction Box

JB-150-FLP



Design Patent No. 343391-001

- M20 Gland
- IP66 Enclosure
- No. of Glands - 10

Gas Detector Calibration Carrying Case

AEPL-GDCK/101



- 0.5 Liter Gas Cylinder Pressure : 100 kg/cm²
- 0.5 Letter Gas Mixture Cylinder
- PVC Tube
- Fix Flow Regulator (0.5 LPM)
- Calibration Cap

Chemical Resistance Canopy

AEPL-CAN-043

- For Rain & Dust protection

Front View

Side view



MS Canopy

AEPL-CAN-016

Base plate without front cover



AEPL-CAN-JB-250-A

Base plate with front cover



- For Rain & Dust protection

SS-316 Canopy

AEPL-CAN-023

Base plate without front cover



AEPL-CAN-JB-IIC-A

Base plate with front cover



- For Rain & Dust protection

Floor Mounting Stand

Front side Back side



CANOPY STAND



Double Compression Cable Gland

M-20-CG/FLP/2C



- Brass with Nickel plated
- Stainless Steel 316 (optional)
- Ex d IIC T6 Gb IP66
- M20, M25, 1/2" NPT, 3/4" NPT

Stopper Plug

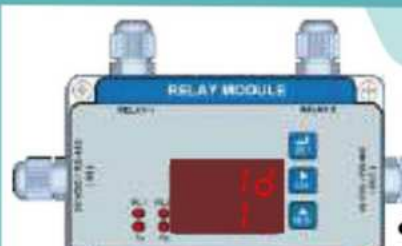
SP-FLP-2C



- Brass with Nickel plated
- Stainless Steel 316 (optional)
- Ex d IIC T6 Gb IP66
- M20, M25, 1/2" NPT, 3/4" NPT

Relay Module

REL-1200



- Selectable Slave address.
- Micro controller based programming
- Password protector programming
- Isolated RS-485 Communication Port
- 2 Nos Relays output

Smart IoT Gateway

SIS4G485



- 32 Channels
- GSM/GPRS Connectivity
- 2 Nos. SIM card slots
- RS-485 MODBUS RTU I/P & O/P
- 10 Mobile Nos. Voice call & SMS
- 5 E-mail address

RANGE OF GAS DETECTORS & TRANSMITTERS



	Loop Powered Gas Detector/ Transmitter for Oxygen/Toxic/Combustible/IR		Smart Gas Detector / Transmitter for			
Model No.:	GT-1033-WP	GT-1033-FLP	GT-2500-WP	GT-2500-FLP-HCF	GT-2500-FLP-HCF-JB-150	GT-2511-WP
 Product Specifications						
	2 Wire	2 Wire	3 Wire / 4 Wire	3 Wire / 4 Wire	3 Wire / 4 Wire	3 Wire / 4 Wire
	✓	✓	✓	✓	✓	✓
	O ₂ / Toxic / NDIR / CH ₄		O ₂ / Toxic/Combustible/VOC			
GENERAL • 2 Wire / 3 Wire / 4 Wire						
• Pluggable Sensor module	✓	✓	✓	✓	✓	✓
Gases Detected : O ₂ / Toxic / Combustible / VOC	O ₂ / Toxic / NDIR / CH ₄		O ₂ / Toxic/Combustible/VOC			
Detection Method : • Electrochemical / Catalytic Bead • Pellistor • VOC • IR • PID • Solid State	• Electrochemical • IR-(only for CH ₄) • Hot Swappable Sensor		• Electrochemical • Catalytic Bead • Pellistor • PID • Hot Swappable Sensor			
Display : • L.C.D. Display with Backlit	2 Line x 4 Digit, L.C.D. Display		✕	✕	✕	2 Line x 4 Digit, L.C.D. Display
• L.E.D. Display	✕	✕	2 Line x 4 Digit L.E.D. Display			
Alarm : • with Buzzer & Flasher	✕	✕	Optional	Optional	Optional	Optional
• Inbuilt Buzzer	✕	✕	✕	✕	✕	✕
Output : • 4-20mA + HART	✓ + HART	✓ + HART	✓	✓	✓	✓ + HART
• No. of Relay Output	✕	✕	3	3	3	3
• Isolated RS-485	✕	✕	Optional	Optional	Optional	Optional
PERFORMANCE						
Accuracy : ±2% of Full Scale. (✱)	±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.			
Response Time : • Toxic & O ₂ : 15 Sec. (✱)	✓	✓	✓	✓	✓	✓
• Combustible gases : 15 Sec.	✓	✓	✓	✓	✓	✓
SUPPLY VOLTAGE						
• Battery Supply	✕	✕	✕	✕	✕	✕
• 18 to 36 VDC, Typically 24VDC	Loop Powered	Loop Powered	24V DC			
Power Consumption :	✕	✕	Less than 3.6 Watts			
ENVIRONMENTAL						
Operating Temp. :	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Storage Temperature :	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
Humidity :	Less than 95% Non-Condensing.					
HOUSING						
Cabinet Material : • Polycarbonate , Grey Colour	✓	✕	✓	✕	✕	✓
• Cast Aluminium alloy, LM-6	✕	✓	✕	✓	✓	✕
Protection Class : • IP65 • IP66 • IP68	IP65	IP66/IP68	IP65	IP66/IP68	IP66/IP68	IP65
Enclosure Approval : • CIMFR Tested / PESO Approved	✕	✓	✕	✓	✓	✕
• Ex d IIC T6 Gb	✕	✓	✕	✓	✓	✕
• EMI/EMC - BS EN 50270	✕	✓	✕	✓	✕	✕
• Intrinsically Safe		✓		✓		
Dimension : with Buzzer & Flasher in mm	✕	✕	180(H) x180(W)x70(D)	225 (H) x 266 (W) x 122(D)	277(H) x 310(W) x 154(D)	180(H) x 180(W) x 70(D)
Dimension : without Buzzer & Flasher in mm	180(H) x132(W) x70(D)	197 (H) x197(W) x 97(D)	180(H)x132(W)x70(D)	225 (H) x 225(W) x122(D)	277(H) x 271(W) x 154(D)	180(H) x 132(W) x 70(D)
Sensor Holder : • SS • ABS Plastic	ABS Plastic	SS-316	ABS Plastic	SS-316	SS-316	ABS Plastic
Cable Entry : • Thermoplastic gland	✓	✕	✓	✕	✕	✓
• Double compression cable gland (Ex-Proof) M20 x 1.5P	✕	✓	✕	✓	✓	✕
Mounting :	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe
Weight :	400 Grams Without HCF	1.25 Kg - Without HCF	500 Grams With HCF	2.5 Kg- With HCF	5.5 Kg - With HCF	500 Grams With HCF
ACCESSORIES (OPTIONAL)	• CE certified 24VDC Power Supply • Gas Sampling & Conditioning System • Gas Calibration Kit					

✱ - For better accuracy please contact to factory ✱ - For better Response Time please contact to factory * FLP - Flameproof Enclosure * WP - Weatherproof Enclosure

RANGE OF GAS DETECTORS & TRANSMITTERS

Oxygen /Toxic/Combustible / IR / VOC		LPG/CNG/PNG Gas Leak Detector			Battery Powered Gas Detector
GT-2511-FLP-HCF	GT-2511-FLP-HCF-JB-150	GT-4000-FLP	GT-4220-WP	GT-4220-FLP	WGD-100-FLP
					
3 Wire / 4 Wire	3 Wire / 4 Wire	3 Wire	3 Wire / 4 Wire	3 Wire / 4 Wire	Battery Powered Upto 1 year Battery Life
✓	✓				✓
O ₂ / Toxic / IR / Combustible / VOC		LPG / PNG Combustible			O ₂ / Toxic / IR
• Electrochemical • Catalytic Bead • Pellistor • PID • Hot Swappable Sensor		• Catalytic Bead • Pellistor • Semiconducter			• Electrochemical • IR • Hot Swappable Sensor
2 Line x 4 Digit, L.C.D. Display		✗	✗	✗	3.5 inch Graphical Display
✗	✗	✗	1 x4 Digit L.E.D. Display		✗
Optional	Optional	Optional	Optional	Optional	✗
✗	✗	✗	✗	✗	✗
✓ + HART	✓ + HART	4-20mA Output	4-20mA Output	4-20mA Output	✗
3	3	2	2	2	2
Optional	Optional	✗	Optional	Optional	✗
±2% of Full Scale.					±2% of Full Scale.
✓	✓	✗	✗	✗	✓
✓	✓	✓	✓	✓	✓
✗	✗	✗	✗	✗	✓
24V DC		24V DC			✗
Less than 3.6 Watts		Less than 1.5 Watts			✗
-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
Less than 95% Non-Condensing.					
✗	✗	✗	✓	✗	✗
✓	✓	✓		✓	✓
IP66/IP68	IP66/IP68	IP66/IP68	IP65	IP66/IP68	IP66/IP68
✓	✓	✓	✗	✓	✓
✓	✓	✓	✗	✓	✓
✓	✗	✗	✗	✗	✗
✓					
225 (H) x 266 (W) x 122(D)	277(H) x 310(W) x 154(D)	160 (H) x 234 (W) x 97(D)	143(H)x 180(W) x70(D)	160 (H) x 234 (W) x 97(D)	✗
225 (H) x 225(W) x 122(D)	277(H) x 271(W) x 154(D)	160 (H) x 197(W) x 97(D)	143(H)x132(W) x70(D)	160 (H) x 197(W) x 97(D)	225 (H) x 347 (W) x 120 (D)
SS-316	SS-316	SS-316	ABS Plastic	SS-316	SS-316
✗	✗	✗	✓	✗	✗
✓	✓	✓	✗	✓	✓
• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe
2.5 Kg-With HCF	5.5 Kg-With HCF	1.75 Kg.-With HCF	500 Grams With HCF	1.75 Kg.-With HCF	3.5 Kg.

Dual Channel Gas Monitors

GM-2200-WP



- Dual Channel
- I/P 4-20mA
- 2 Nos. Relay
- RS-485 O/P

GM-2200-FLP



- Dual Channel
- I/P 4-20mA
- 2 Nos. Relay
- RS-485
- Ex d IIC T6 Gb
- IP-66

Gas Monitoring System

GM-416-WP



- Ring topology possibility
- 3 Nos. Relay
- Multidrop RS-485
- All channels MODBUS ID monitoring system

GM-416-FLP



- Ring topology possibility
- 3 Nos. Relay
- Multidrop RS-485
- All channels MODBUS ID monitoring system

Gas Monitoring System

GM-416-MS



- Ring topology possibility
- 3 Nos. Relay
- Multidrop RS-485
- All channels MODBUS ID monitoring system

Conventional Multi Channel Gas Monitors (8 Channel)

TC-800-MS



- I/P 4-20mA
- 2 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P

TC-800-WP



- 8 channel
- I/P 4-20mA
- 2 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- IP65

TC-800-FLP



- 8 channel
- I/P 4-20mA
- 2 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66

Multichannel Gas Monitors

UIP-880-WP



- Optional RS-485 MODBUS serial port

- Microcontroller based technology
- 8 Channel input 4-20mA programmable by user
- Easy on-line field calibration

UIP-880-FLP



- Microcontroller based technology
- 8 Channel input 4-20mA programmable by user
- Easy on-line field calibration
- Optional RS-485 MODBUS serial port

Conventional Multichannel Gas Monitor (16 Channel)

UIP-1600-WP



- 16 Channel
- I/P 4-20mA
- 4 Common Relay O/P
- Add-on Relays
- Isolated RS-485 O/P
- USB data Logging
- IP65

UIP-1600-FLP



- 16 Channel
- I/P 4-20mA
- Add-on Relays
- 4 Common Relay O/P
- USB data Logging
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66

Conventional Multi Channel Gas Monitoring Panel

- HMI Size Supported: 7", 10.2" & 15"



- 4-20mA Input optional
- RS-485 Input
- RS-485 Output optional
- TCP / IP (Optional)
- Alarm indication
- 24 VDC or Potential free 8/16/24 channel Relay outputs for Valves & Alarms

RK-220-8 Channel



- 3 Digit LED Display
- 20 Segment Bar graph
- I/P : 4-20mA
- O/P : 4-20mA (Isolated)
- 4 Relay O/P (Isolated)
- RS-485 O/P (Isolated)
- Panel Size in mm : 500 x 500 x 400 (W) x (H) x (D)

RK-220-16 Channel



- 3 Digit LED Display
- 20 Segment Bar graph
- I/P : 4-20mA
- O/P : 4-20mA (Isolated)
- 4 Relay O/P (Isolated)
- RS-485 O/P (Isolated)
- Panel Size in mm : 600 x 600 x 400 (W) x (H) x (D)

Multichannel Gas Monitor Panel - 80 Channel

RK-220-80 Channel



- Per Channel
- 3 Digit LED Display
- 20 Segment Bar graph
- I/P : 4-20mA
- O/P : 4-20mA (Isolated)
- 4 Relay O/P (Isolated)
- RS-485 O/P (Isolated)
- SCADA Software
- Redundant Power Supply
- Ethernet
- SMS Facility

Complete Panel Size in mm : 2300 (H) x 600(W) x 600 (D)

Addressable Multichannel Gas Monitors with inbuilt GSM Modem (Upto 48 Channel)

SIG 4GTy-MS



- 4 DPDT Relay
- Isolated RS-485 O/P for SCADA/PLC
- MQTT Protocol
- 2 Settable Alarm for each channel
- Ethernet
- Wi-Fi
- Lamp Test facility

SIG 4GTy-WP



- 4 DPDT Relay
- Isolated RS-485 O/P for SCADA/PLC
- MQTT Protocol
- 2 Settable Alarm for each channel
- Ethernet • Wi-Fi
- Lamp Test facility

SIG 4GTy-FLP



- 4 DPDT Relay
- Isolated RS-485 O/P for SCADA/PLC
- MQTT Protocol
- 2 Settable Alarm for each channel
- Ex d IIC T6 Gb
- IP66

- SMS & Email Alerts

Addressable Multi Channel Gas Monitors (Upto 80 Channel)

MCC-1322-MS



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P

MCC-1322-WP



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P
- IP65

MCC-1322-FLP



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66

MCC-1322-PANEL



- Modbus RS-485 Input
- 2 Common Relay
- 1 fault Relay
- Add-on Relay
- Isolated RS-485 O/P

Portable Single Gas Detector

PG-100-G



- Intrinsically safe
- External Sensor with Flexible Gooseneck Probe
- EC/Catalytic/NDIR/PID
- STEL / TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface
- Ex ia IIC T6 Ga

PG-100-D



- Intrinsically safe
- Pluggable Sensor Module
- EC/Catalytic/NDIR/PID
- STEL / TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface
- Ex ia IIC T6 Ga

PG-100-S



- Intrinsically safe
- Pluggable Sensor Module
- EC/Catalytic/NDIR/PID
- Integrated pump
- STEL/TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface
- Ex ia IIC T6 Ga

Portable Pump

PP-100



- Intrinsically safe
- Portable & light weight
- Detection Method - Suction
- Flow rate of 500 ml / min.
- 50,000 log records
- Sampling jam detected by L.E.D.
- Easy to operate

Portable Gas Detector

PG-130



- programming with 2 keys Operation.
- OLED display of Gas Concentration in %V/V / %LEL / PPM.
- "Calibration due" indication & Alert.
- "Sensor Open/Over" Range Indication.
- Battery status indication
- battery charging indication
- LOW BAT indication with Buzzer Beep sound.
- Small, compact and light-weight.

Battery Powered Gas Detector

PG-120-WP



- The Detector detects smallest gas leak on service line and joints
- Setting by single key
- 0 LED display

Dual Channel Gas Detector

PG-200-D



- EC /NDIR sensor
- 2-Line LCD with backlight tri-colour display (Red/Green/Blue)
- STEL/TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface

PG-200-S



- EC /NDIR sensor
- 2-Line LCD with backlight tri-colour display (Red/Green/Blue)
- STEL/TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface

Portable Biogas Analyzer

BIO-400-S-PEL



- Special Suitcase casing
- 128 x 64, Graphic L.C.D. display & backlight
- Event logging
- CH₄, CO₂, O₂, H₂S Detection
- USB interface
- Optional 1,00,000 logging records
- Li-po rechargeable Battery

Biogas Analyser - Panel Mount

BIO-400-S-PANEL



- Panel type housing
- 128 x 64, Graphic L.C.D. display & backlight
- Event logging
- USB interface
- CH₄, CO₂, O₂, H₂S Detection
- Optional 1,00,000 logging records
- Li-po rechargeable Battery

Smart Gas Analyzer - Oxygen

GA-3500-PM-O₂



- 0-100% V/V
- 2 Line L.E.D. Display
- Built in O₂ Sensor
- 4 -20mA O/P
- 3 Relay O/P
- RS-485 O/P
- Panel Mounted

GA-3511-PM-O₂



- 0-100% V/V
- 8 x 2 L.C.D. Display
- Built in O₂ Sensor
- 4 -20mA O/P
- 3 Relay O/P
- RS-485 O/P
- Panel Mounted

UV & Triple IR Flame Detector

FLD-3311-WP-HCF



- Fast response < 3 sec.
- UV & 3IR Detection
- 3 Relay O/P
- 4-20mA O/P

- Bluetooth, RS-485 or HART configurable
- Built in Hooter cum Flasher

UV & Triple IR Flame (Radiant Energy) Detector

FLD-3311-FLP-HCF



- Enclosure Patent No. 364963-001
- 3 Relay O/P
- 4-20mA O/P
- Exd IIC T6 IP66
- UV & 3IR Detection
- Fast response < 3 sec.
- Bluetooth, RS-485 or HART configurable

UV & Triple IR Flame Detector

FLD-3311-FLP-SS-HCF



- 3 Relay O/P
- 4-20mA O/P
- Exd IIC T6 IP66
- SS Enclosure
- UV & 3IR Detection
- Fast response < 3 sec.
- Bluetooth, RS-485 or HART configurable

Ember (Radiant Energy) Detector

EMB-7700-FLP-HCF



- Insensitive to sunlight
- Date-time stamped event logging
- Built in self test (BIT)
- User programmable via Bluetooth, HART or RS-485.
- Test Lamp compatibility for safe Test

UV Flame Detector

FLD-0011-WP-HCF



- Detects Sensitivity of fire using UV Sensor
- Performance can be tested by using Test Lamp
- 1 no relay
- Optional RS-485 MODBUS serial port
- L.E.D. Indication : Green Color for All OK Red Color for Fire Detection Alarm

UV Flame Detector

FLD-0011-Small



- Detects Sensitivity of fire using UV Sensor
- Performance can be tested by using Test Lamp
- L.E.D. Indication : Green Color for All OK Condition Red Color for Fire Detection Alarm
- 1 no relay for potential free contact
- Optional RS-485 MODBUS serial port

Flame Detector Mounting Stand

Mounting stand



- Total Length 275 mm
- Material : Aluminium (LM-6)
- 180° Rotation

Flame Detector Sun Shield

JB IIC Sunshield



- Diameter (Outer) : JB IIC : 149 mm
- Total Length : JB 90 : 112 mm
- Material : JB IIC : 126 mm
- JB 90 : 103 mm
- Neoprene rubber

Sun Shield



Fixed Temperature Heat Detector

HTD-8800-FLP



- Detects fixed Temp. & Provides a Potential-Free NO contact Output.
- Wide ranges of Temp. 40°C to 90°C

HTD-8811-WP



- Provides a fast & reliable response by sensing heat build-up
- Factory Preset to required Temp.
- Wide ranges of Temp. 40°C to 90°C

Fixed Temperature Heat Detector

HTD-8822-WP



- Provides a fast & reliable response by sensing heat build-up
- Factory Preset to required Temp.
- No maintenance, No calibration
- Auto-reset operation
- Easy to install
- Wide ranges of Temp. 40°C to 90°C

UV/IR Flame Detector Test Lamp

FTU-3311



- Battery Operated
- Cover Range : 3 to 5 meter
- Continuous Operation time : 1 hr. 30 min. Max.
- Operating Temp. : 0°C to 50°C

RANGE OF GAS MONITORS & PANELS



	Multi Channel Gas Monitor			Dual Channel Gas Monitor		Multi Channel
Model No.:	GM-416-FLP	GM-416-WP	GM-416-MS	GM-2200-FLP	GM-2200-WP	TC-800-WP
 Product Specifications						
GENERAL						
Channel Capacity: 1CH./2CH./4CH./6CH./8CH./12CH.upto-80CH	8CH./16CH./24 CH.	8CH./16CH./24 CH.	8CH./16CH./24 CH.	2 CH.	2 CH.	8 CH.
Input	Digital Input	Digital Input	Digital Input	4-20mA from Gas Transmitter Toxic /Combustible /VOC /IR/UV Flame Detector Etc.		
Output : • Isolated 4-20mA	✗	✗	✗	✓	✓	✗
• No. of Relay Output	3	3	3	3	3	2
• Isolated RS-485 (Optional)	✓	✓	✓	✓	✓	✓
Keys for Settings : • 3 Keys • 4 Keys • 5 Keys	3 Keys	3 Keys	3 Keys	4	4	5
Display : Single / Dual Display	Dual Display	Dual Display	Dual Display	2 Line x 4 Digit L.E.D. Display	2 Line x 4 Digit L.E.D. Display	1 Line x 5 Digit L.E.D. Display
Range :	0 to 9999 PPM, % LEL, % V/V	0 to 9999 PPM, % LEL, % V/V	0 to 9999 PPM, % LEL, % V/V	0 to 9999 PPM, % LEL, % V/V	0 to 9999 PPM, % LEL, % V/V	0 to 9999 PPM, % LEL, % V/V
Resolution :	Programmable 0, 0.1, 0.01	Programmable 0, 0.1, 0.01	Programmable 0, 0.1, 0.01	Programmable 0.001, 0.01, 0.1, 1	Programmable 0.001, 0.01, 0.1, 1	Programmable 0.001, 0.01, 0.1, 1
Control Action :	High /Very Hi Programmable by user	High /Very Hi Programmable by user	High /Very Hi Programmable by user	Very LO/LO & HI/ very Hi logic Programmable by user	Very LO/LO & HI/ very Hi logic Programmable by user	LO/HI, HI/LO, LO/ Very LO, Hi-very Hi logic Programmable by user
LED Indication :	3mm, 32 LED indication	3mm, 32 LED indication	3mm, 32 LED indication	3mm, 7 LED indication for AL1, AL2, TD1, TD2, PRG, TX, RX	3mm, 7 LED indication for AL1, AL2, TD1, TD2, PRG, TX, RX	8 No. RED LED for Alarm Indications of both set points AL1, AL2
SUPPLY VOLTAGE	100 V AC to 270 V AC					
ENVIRONMENTAL	-10°C to 60°C & Less than 95% Non-Condensing.					
Operating Temp. & Humidity :						
HOUSING						
Cabinet :	Flameproof	Weatherproof	MS Panel	Flameproof	Weatherproof	Weatherproof
Cabinet Material : • Polycarbonate , Grey Colour	✗	ABS Plastic	✗	✗	ABS Plastic	ABS Plastic
• Diecast Aluminium alloy	✓	✗	✗	✓	✗	✗
• Metal sheet Siemens Grey colour	✗	✗	✓	✗	✓	✗
Protection Class : • IP54 • IP65 • IP66	IP66	IP65	IP54	IP66	IP65	IP65
Enclosure Approval : • Ex d IIC T6 Gb	✓	✗	✗	✓	✗	✗
• CIMFR Tested / PESO Approved	✓	✗	✗	✓	✗	✗
Dimension : in mm	260(H) x 252(W) x 154(D)	182(H) x 214 (W) x 82 (D)	200(H) x 243(W) x 87(D)	356(H) x 316(W) x 183(D)	330(H)x280(W) x105(D)	330(H)x280(W) x105(D)
Cable Entry :	8	8	6	8	10	10
Cable Gland :	Double Compression	Polyamide Gland	Single Compression	Double Compression	Single Compression	Thermoplastic
Mounting :	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand
Weight :	5.5 kg	1kg	2.25 kg.	12 kg	2 kg	2kg

ACCESSORIES (OPTIONAL) : • CE certified 24VDC Power Supply • Hooter cum Flasher • PC based SCADA Software, Modem
• RS-485 to USB Converter • Mounting Stand • Flameproof Hooter • lot Modules • Cloud : ambeiiot.com

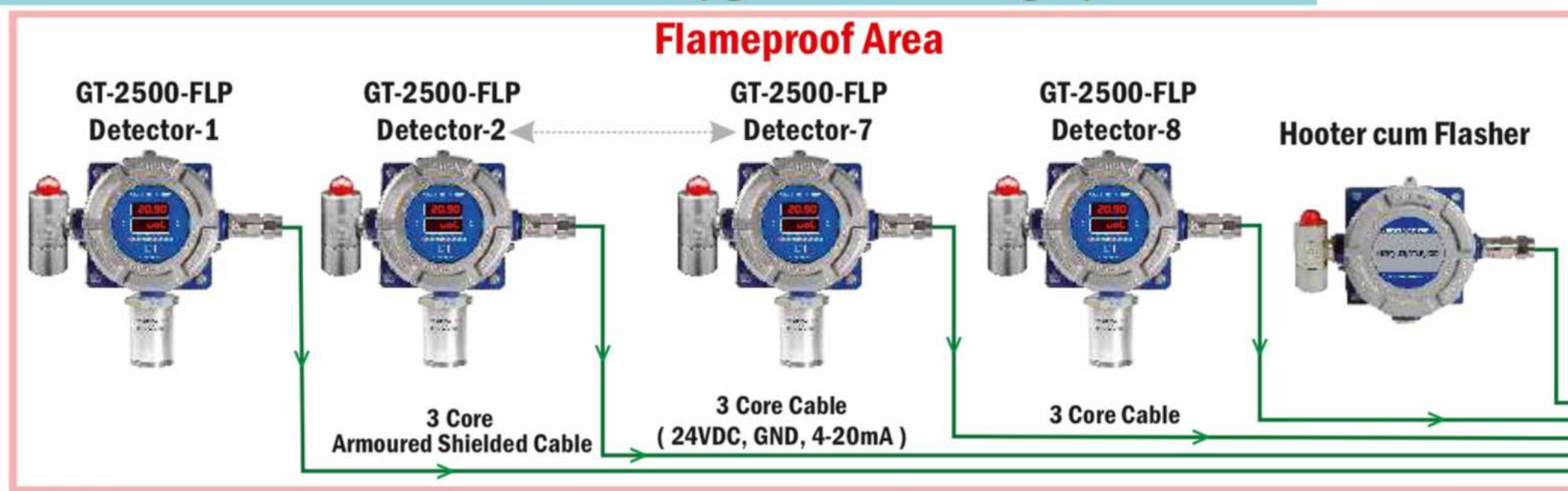
RANGE OF GAS MONITORS & PANELS



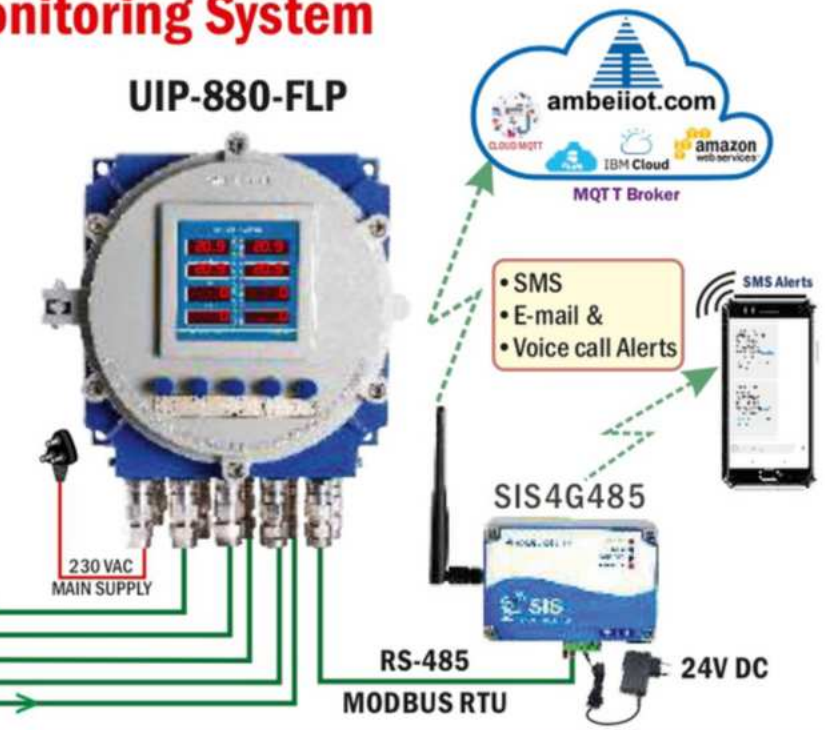
Gas Monitor (8 Channel)		Multi Channel Gas Monitor (16 Channel)			Multi Channel Gas Monitor Panel		
TC-800-FLP	UIP-880-WP	UIP-880-FLP	UIP-1600-WP	UIP-1600-FLP	HMI PANEL-IM-48	RK-220- 8CH.	RK-220- 16CH.
							
8 CH.	8 CH.	16 CH.	16 CH.	16 CH.	4, 8,16, 48 CH.	Individual Channel 8	Individual Channel 16,32,48
4-20mA from Gas Transmitter Toxic / Combustible / VOC / IR / UV Flame Detector Etc.							
×	×	×	×	×	×	Per Channel ✓	Per Channel ✓
2	4	4	4	4	4, 8,16, 24 CH.	4 Per Channel	4 Per Channel
✓	✓	✓	✓	✓	✓	✓	✓
5	5	5	5	5	Setting on HMI Screen	4	4
1 Line x 5 Digit L.E.D. Display	8 x 4 Digits L.E.D. Display	8 x 4 Digits L.E.D. Display	1 Line x 6 Digit L.E.D. Display	1 Line x 6 Digit L.E.D. Display	4.3", 7", 10.2" & 15" L.C.D. Display	3 Digit L.E.D. Display for per card	3 Digit L.E.D. Display for per card
0 to 9999 PPM, % LEL, % V/V	0 to 9999 Programmable by user	0 to 9999 Programmable by user	0 -9999 PPM, % LEL, % V/V	0 -9999 PPM, % LEL, % V/V	Programmable	0 to 999 PPM, % LEL, % V/V	0 to 999 PPM, % LEL, % V/V
Programmable 0.001, 0.01, 0.1, 1	Programmable 0.01, 0.1, 1	Programmable 0.01, 0.1, 1	Programmable 0.001, 0.01, 0.1, 1	Programmable 0.001, 0.01, 0.1, 1	Programmable 0.01, 0.1, 1	Programmable 0.001, 0.01, 0.1, 1	Programmable 0.001, 0.01, 0.1, 1
LO/HI, HI/LO, LO/Very LO, HI-very HI logic Programmable by user	LO/HI, control action for the Alarm 1 & 2 user Programmable				LO/HI, HI/LO, LO/Very LO, HI-very HI logic Programmable by user		
8 No. RED LED for Alarm Indications of both set points AL1, AL2	8 No. RED L.E.D.'s each for Alalarm-1 & Alarm-2, healthy indications for CH-1 to CH-8		8/ 16 Nos. RED L.E.D.'s of 3mm each for Alarm 1 & 2 Healthy indications for CH-1 to CH-8/CH-1 to CH-16 for UIP-1600 respectively.		Per channel indication on HMI	8 No. AL1, AL2, AL3, Health Check/Failsafe Indication PRG, CALOptional TX / RX	16 No. AL1, AL2, AL3, Health Check/Failsafe Indication PRG, CALOptional TX / RX
100 V AC to 270 V AC							
-10°C to 60°C & Less than 95% Non-Condensing.							
Flameproof	Weatherproof	Flameproof	Weatherproof	Flameproof	MS Panel	MS Panel	MS Panel
×	ABS Plastic	×	ABS Plastic	×	×	×	×
✓	×	✓	×	✓	×	×	×
×	×	×	×	×	✓	✓	✓
IP66	IP65	IP66	IP65	IP66	IP54	IP54	IP54
✓	×	✓	×	✓	×	×	×
✓	×	✓	×	✓	×	×	×
356(H) x316(W)x183(D)	330(H)x280(W) x105(D)	356(H) x316(W) x183(D)	327(H)x365(W)x150(D)	448(H)x431(W)x210(D)	600(H)x600(W)x250(D)	600(H)x600(W)x400(D)	800(H)x 600(W)x 400(D)
10	10	12	17	22	as per channel requirement	16	24
Double Compression	Single Compression	Double Compression	Single Compression	Double Compression	Single Compression	Single Compression	Single Compression
• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand
12 kg	2 kg	12 kg	2.5 kg	22 kg	30 kg	30 kg	34 kg
• CE certified 24VDC Power Supply • Mounting Stand		• Hooter cum Flasher • Flameproof Hooter		• PC based SCADA Software, Modem • lot Modules		• RS-485 to USB Converter • Cloud : ambeiiot.com	

APPLICATION EXAMPLES

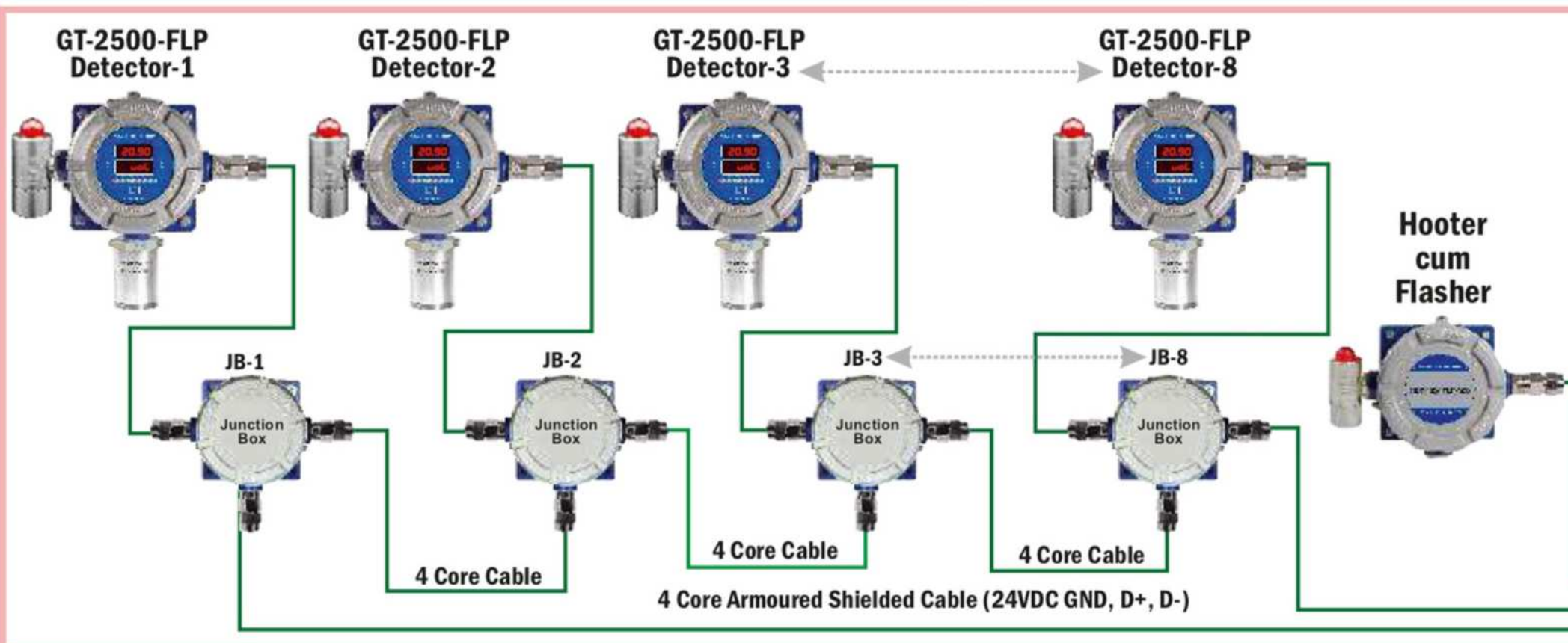
Conventional Multi Channel Oxygen Monitoring System



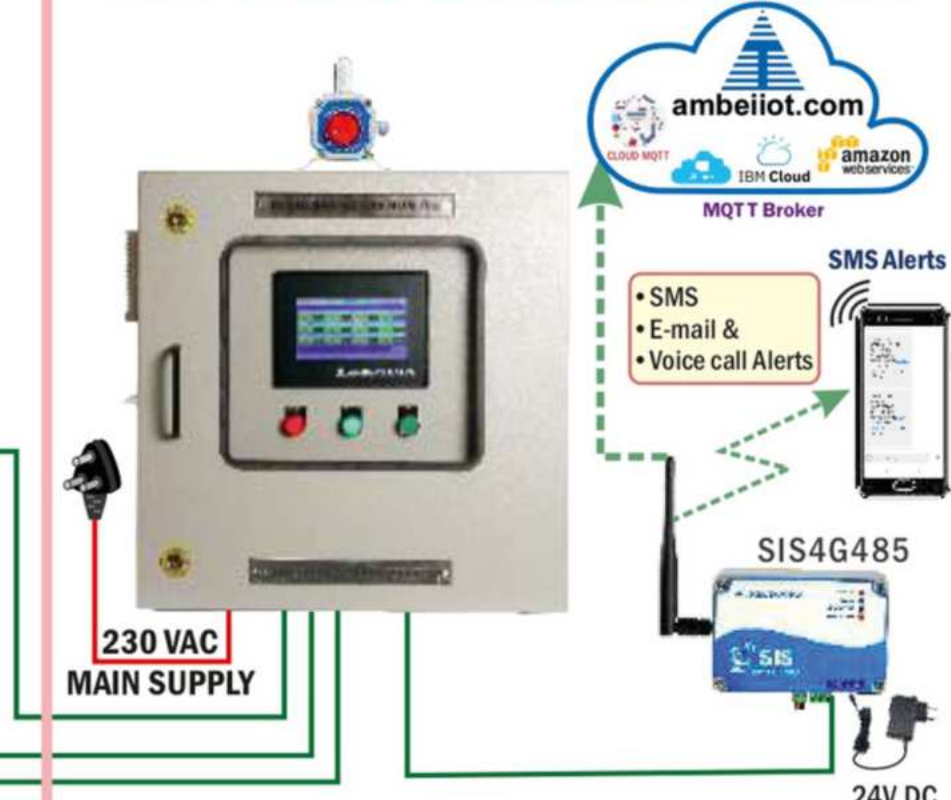
8 Channel Gas Monitoring System



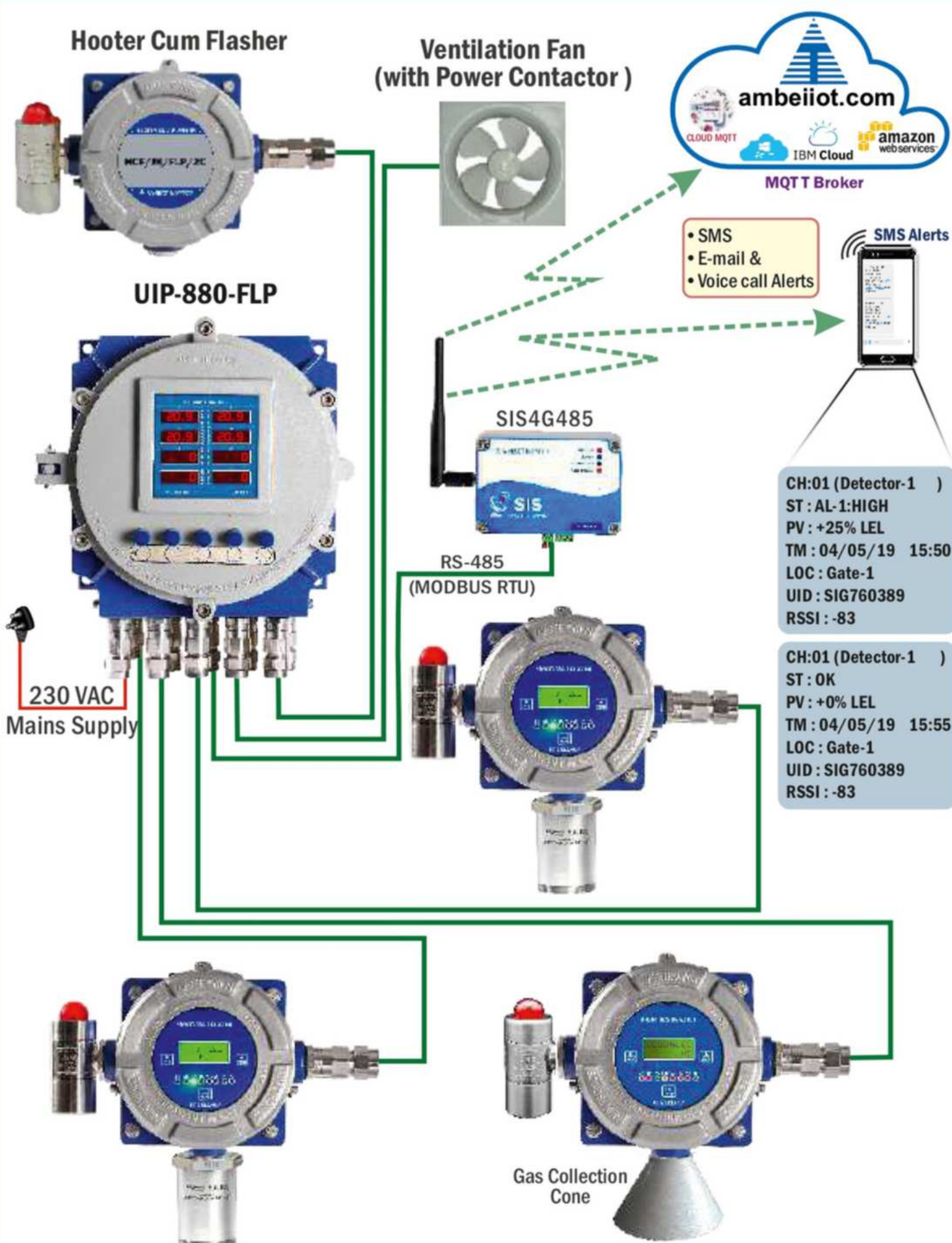
Addressable Multi Channel Oxygen Monitoring System with SMS/ E-mail /Voice call / cloud facility



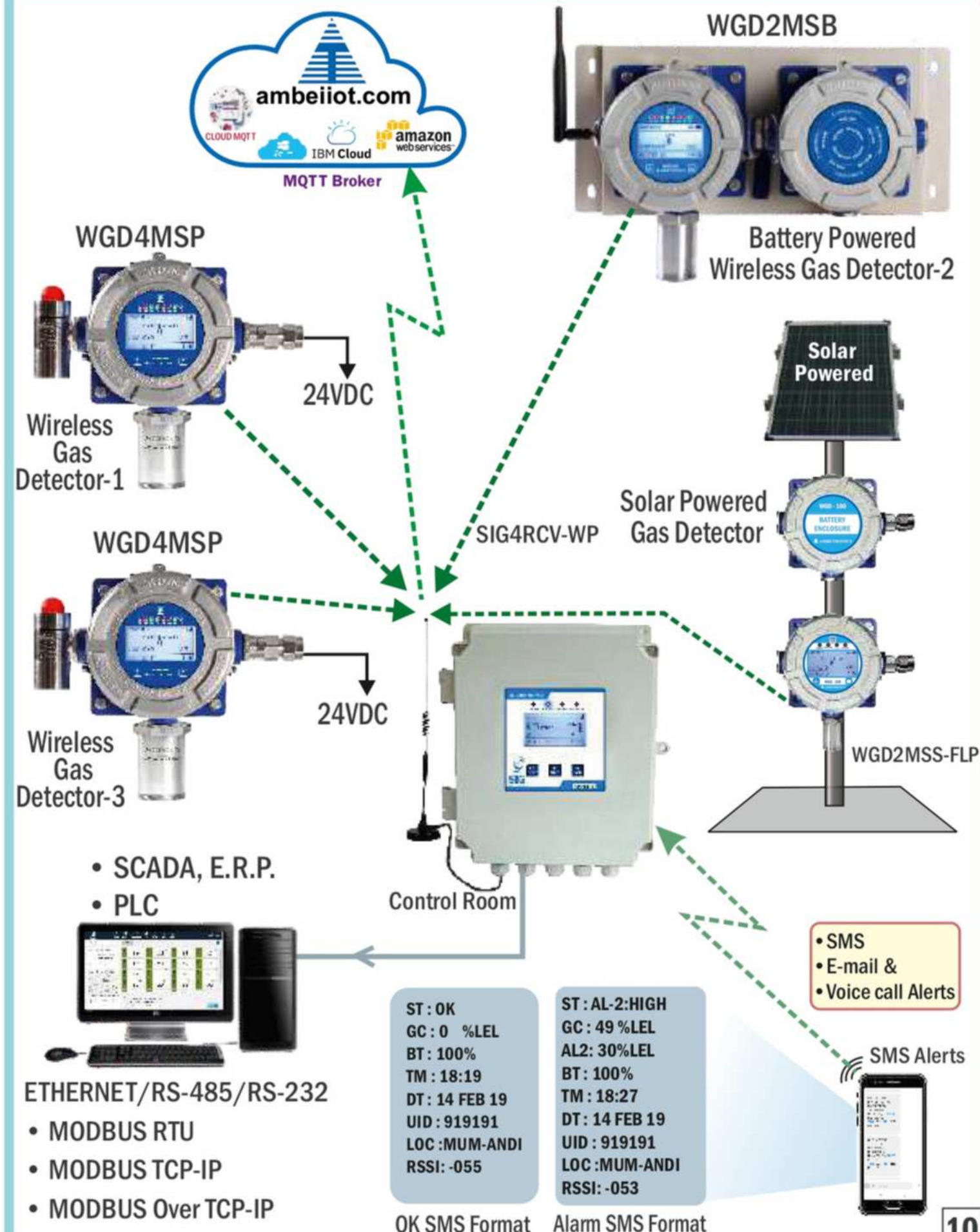
Multi Channel Gas Monitoring System



Hydrogen Gas Detection System for Battery Room With SMS/E-mail /Voice call / cloud facility

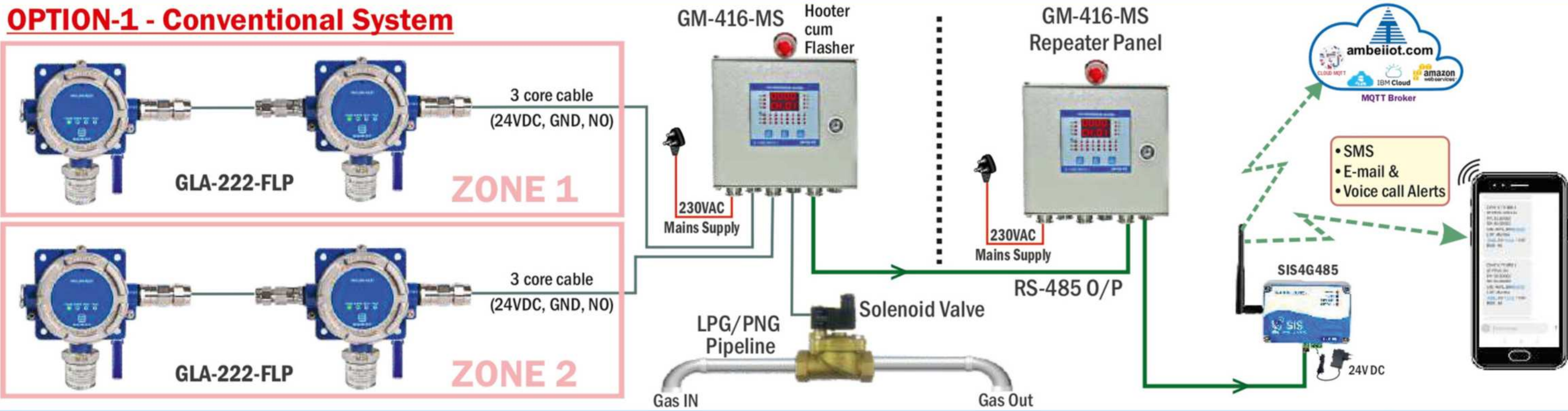


Wireless Gas Detection System with SMS/ E-mail /cloud facility

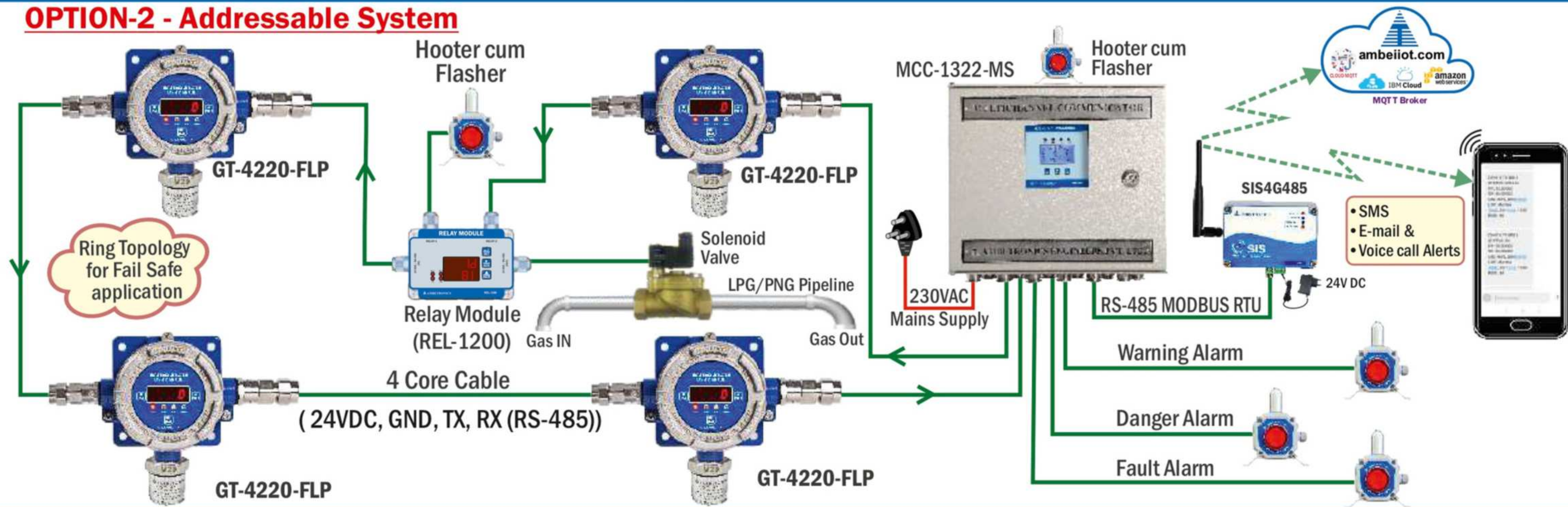


LPG/PNG Gas Leakage System with SMS/E-mail/Voice call/cloud facility for commercial Kitchen

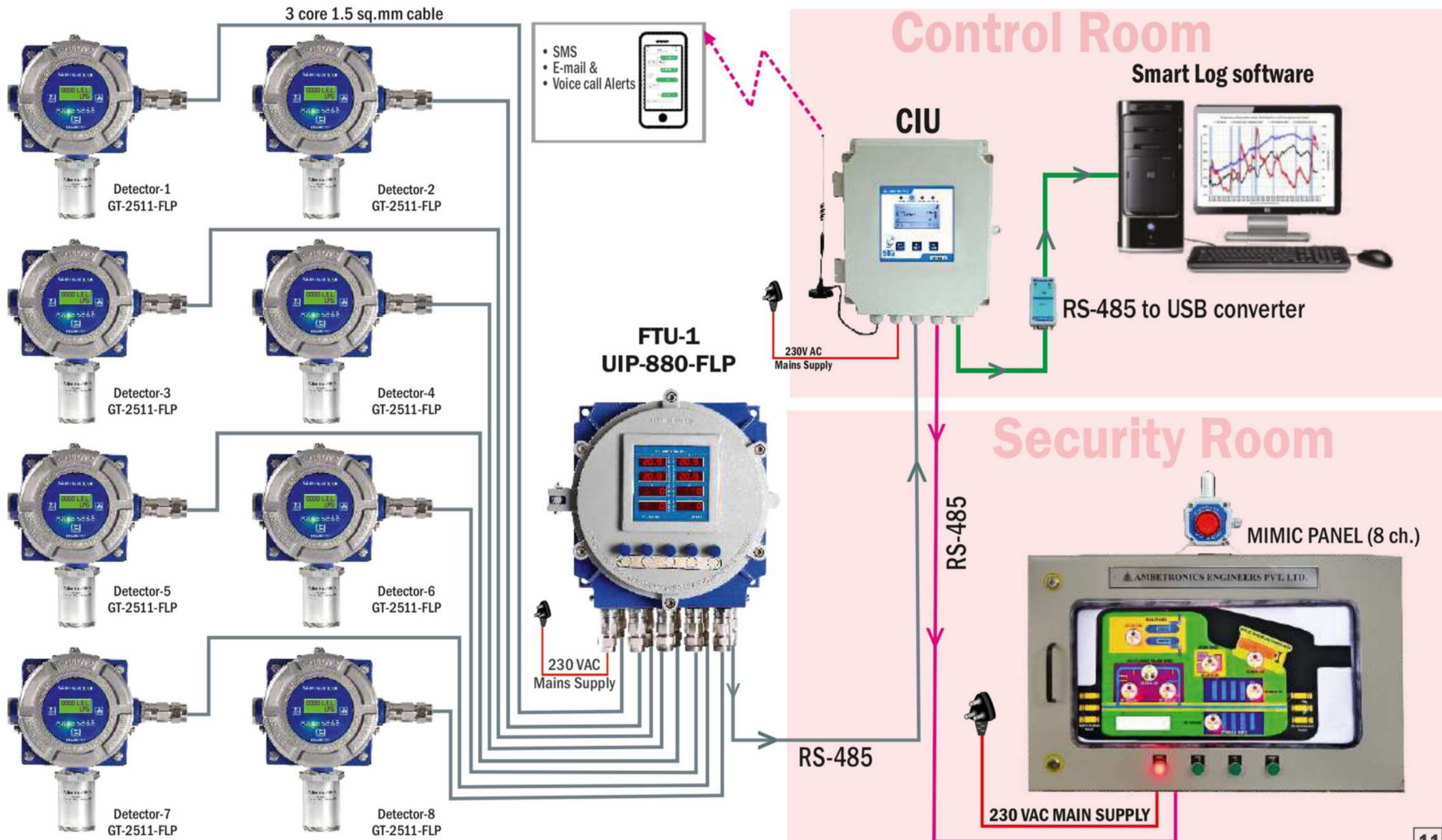
OPTION-1 - Conventional System



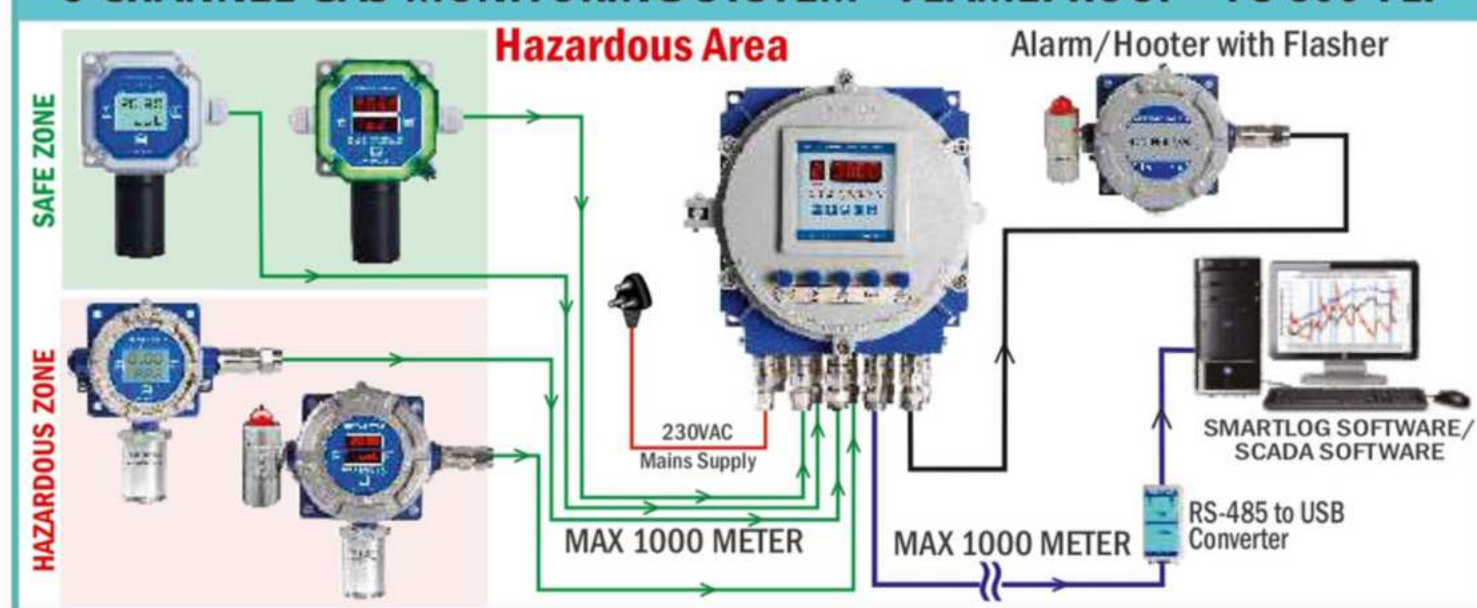
OPTION-2 - Addressable System



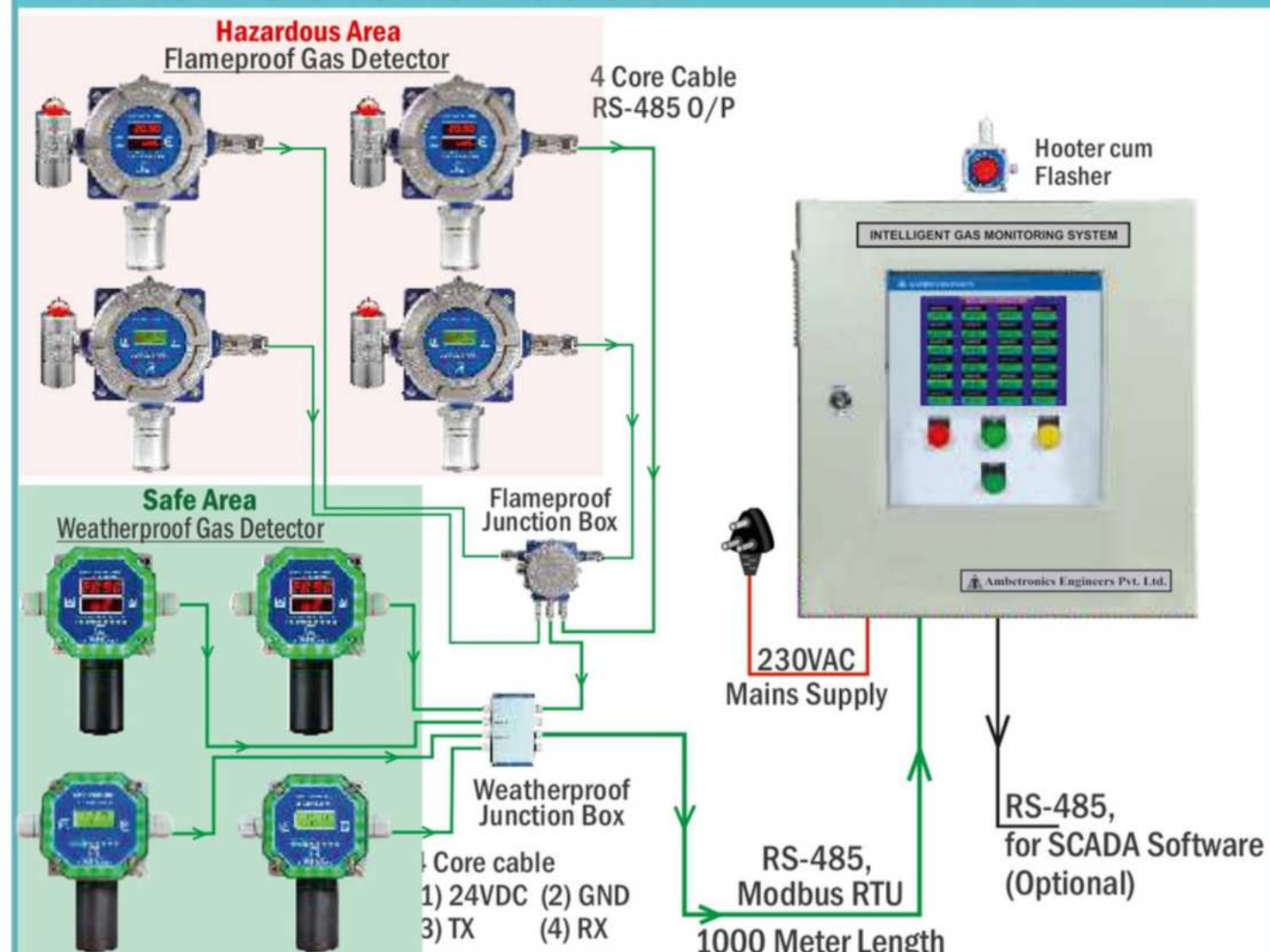
LPG Detector with FTU, Mimic Panel & Smart IoT Gate Way for Bottling Plant (IOCL, BPCL, HPCL)



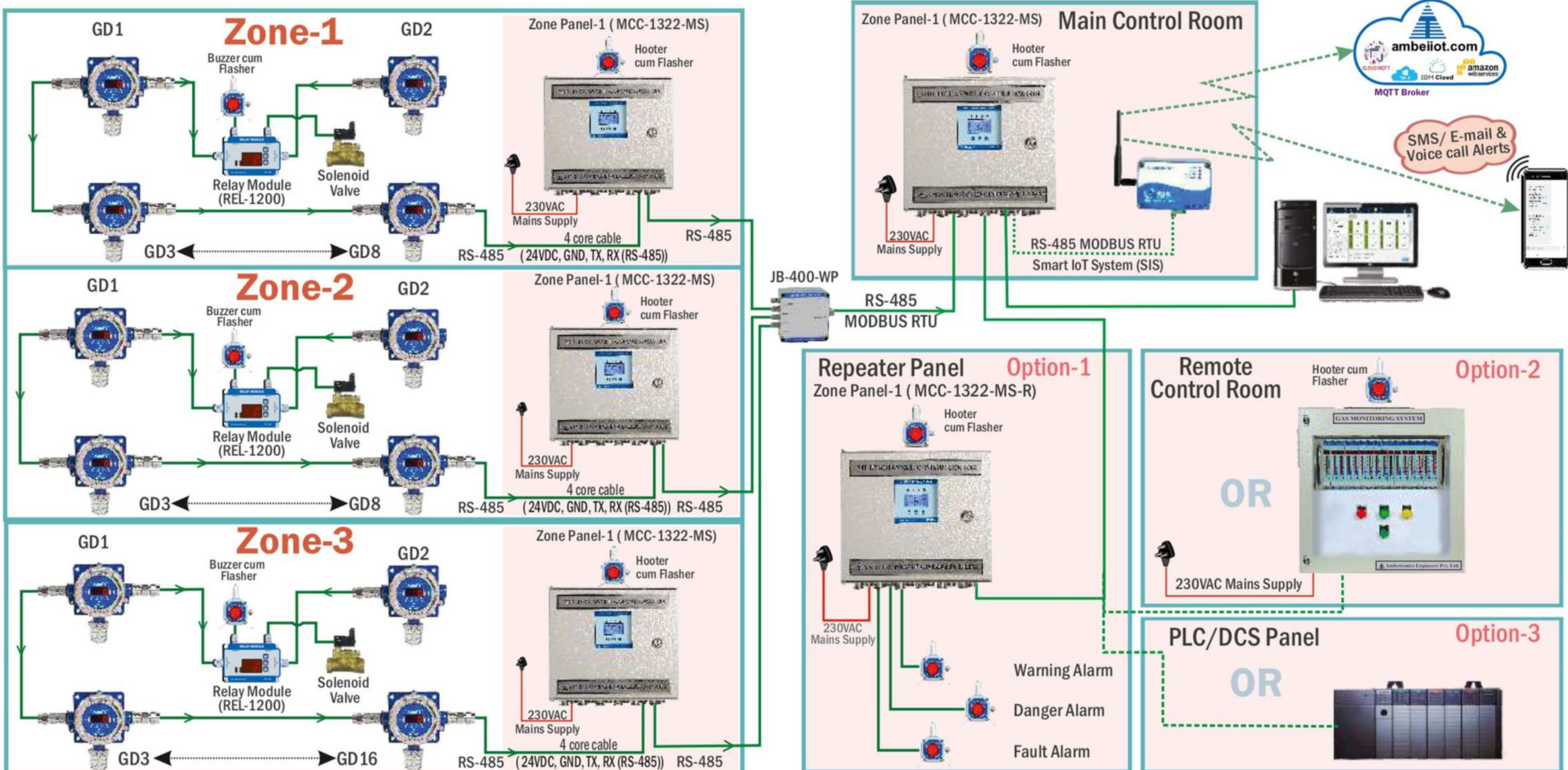
8 CHANNEL GAS MONITORING SYSTEM - FLAMEPROOF - TC-800-FLP



INTELLIGENT GAS MONITORING SYSTEM **IM-48-XX--MS SERIES**



ADDRESSABLE LPG GAS DETECTION SYSTEM WITH REMOTE ALARM & REPEATER PANEL



GFF FIRE FIGHTING EQUIPMENTS TRADING

 info@gulffireco.com

Version : GAS MASTER CATALOGUE-R15-01-01-2024

Specifications subject to change without any prior notice