

RANGE OF GAS DETECTORS & TRANSMITTERS

Loop Powered Transmitter Oxygen/NDIR/Combustible

GT-1033-WP

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

GT-1033-FLP

CIMFR Tested & PESO Approved Encl.

- 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 • IP66

Smart Gas Transmitter Oxygen/Toxic/Combustible

GT-4000-WP

- 2 x 4 digit L.E.D. Display
- 3 Wire, 4-20mA Output
- IP65 Enclosure

GT-4000-FLP-HCF

CIMFR Tested & PESO Approved Encl.

- 2 x 4 digit L.E.D. Display
- 3 Wire, 4-20mA O/P
- Exd IIC T6 Gb
- IP66/IP68 Enclosure

Smart Gas Transmitter Oxygen/Toxic/Combustible

GT-2500-WP

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

GT-2500-FLP

CIMFR Tested & PESO Approved Encl.

- L.E.D. Display
- 3 Wire with HART
- Without Hooter cum Flasher
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

GT-2500-FLP-HCF

CIMFR Tested & PESO Approved Encl.

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

GT-2500-FLP-SS-HCF

CIMFR Tested & PESO Approved SS Encl.

- L.E.D. Display
- 3 Wire with HART
- 3 Nos. Relay
- Isolated RS-485 O/P
- IP66/IP68 Enclosure
- Ex d IIC T6 Gb

Smart Gas Transmitter Oxygen/Toxic/Combustible

GT-2511-WP

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

GT-2511-FLP

CIMFR Tested & PESO Approved Encl.

- L.C.D. Display
- 3 Wire with HART
- Without Hooter cum Flasher
- Isolated RS-485 O/P
- Ex d IIC T6 Gb
- IP66/IP68 Enclosure

GT-2511-FLP-HCF

CIMFR Tested & PESO Approved Encl.

- 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

CIMFR Tested & PESO Approved SS Encl.

- L.C.D. Display
- 3 Wire with HART
- 3 Nos. Relay
- Isolated RS-485 O/P
- IP66/IP68
- Ex d IIC T6 Gb

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
- IP65 Enclosure
- 230VAC

GA-3500-FLP-D

CIMFR Tested & PESO Approved Encl.

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

GA-3511-WP-D

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

GA-3511-FLP-D

CIMFR Tested & PESO Approved Encl.

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

LPG/CNG/PNG Gas Leak Detector

GT-4110-FLP

CIMFR Tested & PESO Approved Encl.

- 3 Wire, 3 Relays
- 4-20mA output
- Isolated RS-485 O/P
- Ex d IIC T6 Gb IP66/IP68 Enclosure

GT-4110-FLP-HCF

CIMFR Tested & PESO Approved Encl.

- 3 Wire, 3 Relays
- 4-20mA output
- Isolated RS-485 O/P
- Ex d IIC T6 Gb IP66/IP68 Enclosure

LPG/CNG / PNG Gas Leak Detector

GT-4220-WP

- 1 x 4 digit L.E.D. Display
- 3 Nos. Relay and Integrated flasher & Buzzer
- Isolated RS-485 O/P
- IP65 Enclosure

GT-4220-FLP

CIMFR Tested & PESO Approved Encl.

- 1 x 4 digit L.E.D. Display
- 3 Nos. Relay and Integrated flasher & Buzzer
- Isolated RS-485 O/P
- Ex d IIC T6 Gb IP66/IP68 Enclosure

Smart Gas Transmitter (with HART)

GT-5022-FLP

CIMFR Tested & PESO Approved Encl.

- Pluggable Sensor Module
- EC/ NDIR/PID
- Isolated RS-485 O/P
- 3 Nos. Relay
- With Hooter cum Flasher
- Ex d IIC T6 Gb IP66/IP68 Enclosure

Battery Powered Gas Detector Oxygen/Toxic

BGD-6033-WP

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

BGD-6033-FLP

CIMFR Tested & PESO Approved Encl.

- 2 Line L.C.D. Display
- 1 year Battery Life
- Toxic/O₂ Gas Detection
- Ex d IIC T6 Gb
- IP66/68 Enclosure

Battery Powered Gas Detector Oxygen/Toxic/Combustible

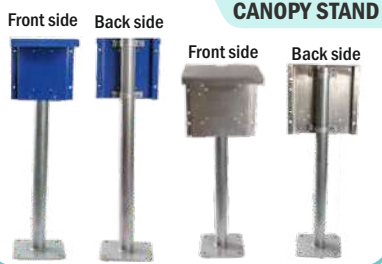
WGD-100-FLP

CIMFR Tested & PESO Approved Encl.

- Battery Operated
- upto 1 year Battery life
- SMS /E-mail Facility to control room • IP-66 Enclosure

RANGE OF ACCESSORIES FOR GAS DETECTORS

Floor Mounting Stand



CANOPY STAND

Chemical Resistance Canopy

AEPL-CR-CANOPY



Transparent Canopy

- For Rain & Dust protection

MS Canopy

AEPL-CAN-016

AEPL-CAN-JB-250-A

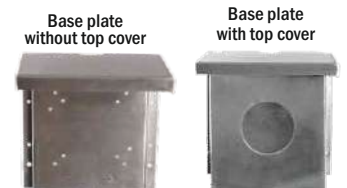


- For Rain & Dust protection

SS-316 Canopy

AEPL-CAN-023

AEPL-CAN-JB-IIC-A



- For Rain & Dust protection

Weatherproof Junction Box

JB-204-WP



- 4 Nos. Transmitter input and output connections
- IP 65

- 24V, GND, O/P, D+, D- connections (6 core)
- Flameproof enclosure available

Weatherproof Junction Box

JB-308-WP



- 8 Nos. Transmitter input and output connections
- IP 65

- 24V, GND, O/P connections (4 core)
- Flameproof enclosure available

Weatherproof Junction Box

JB-400-WP



- 4 No. Transmitter I/P & O/P connection
- 24V, GND, O/P, D+, D- Signals connections(6core)
- IP 65

- 'Normally open' Relay contact connectivity
- Inbuilt DPDT Relay for Hooter connection.

Transmitter Calibration Gases Oxygen/Toxic / Combustible

AEPL-CG-3/CG-0.5



- Canister
- Fix Flow Regulator
- Calibration Cap
- PVC Pipe Hose

Flameproof Junction Box

JB-150-FLP



CIMFR Tested & PESO Approved Encl.

- M20, ½" NPT
- IP66
- No. of Glands - 10

Flameproof Junction Box

JB-500-FLP



CIMFR Tested & PESO Approved Encl.

- One Transmitter I/P & O/P connection
- 24V, GND, O/P, D+, D- Signals

- Weatherproof enclosure available

Flameproof Hooter-cum-Flasher

HCF-FLP-RH-GA



CIMFR Tested & PESO Approved Encl.

HOOTER CUM FLASHER FOR ALARM

- 24 VDC Supply

M.S Gas Collection Cone

AEPL-SHA-CONE



- SHA-406
400 mm Dia x 100 mm x 2mm thickness
- SHA-407 :
200 mm Dia x 100 mm x 2mm thickness

Weatherproof Hooter cum Flasher

HCF-WP-S-RH



- Red/Green/Amber Flasher
- Sound level : 80-90 100 dB
- M-20 Connection
- 24 VDC Supply

Flameproof Hooter-cum-Flasher

HCF-FLP-IIC



CIMFR Tested & PESO Approved Encl.

- Sound level : 90 dB
- Stainless Steel 316 / 304
- 24VDC I/P & 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

Double Compression Cable Gland

M-20-CG/FLP/2C



CIMFR Tested & PESO Approved Encl.

- Brass with Nickel plated
- Stainless Steel 316 / 304
- Ex d IIC T6 Gb
- M20, M25, ½" NPT, ¾" NPT

Stopper Plug

SP-FLP-2C



CIMFR Tested & PESO Approved Encl.

- Brass with Nickel plated
- Stainless Steel 316 (optional)
- Ex d IIC T6 Gb
- M20, M25, ½" NPT, ¾" NPT

Single Compression Cable Gland

FLA-129



- Type : ST cut No. JC
- Brass with Nickel plated
- Make : Jainson
- Size : ¾" Length
- Treading : ¾"ET

Magnetic Wand

MW-001



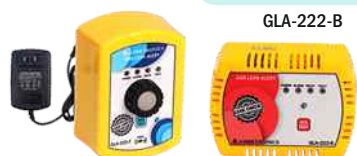
- For programming of Flameproof Gas Detectors without opening the cover in hazardous area

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

GLA-222-T

GLA-222

GLA-222-B



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

GLA-222-P



- Smallest gas leak with integrated Buzzer & L.E.D. indication
- Helps to detect Gas & Excess Temp. indication
- Easy Installation
- Test switch on Detector
- Direct plug in

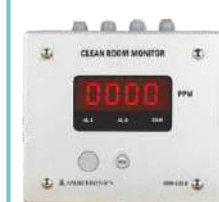
Clean Room Monitor for Oxygen & Toxic Gases

CRM-111-2



- Integrated Buzzer
- 2 Nos. SPDT Relay
- Isolated RS-485 with Modbus RTU










CRM-131-2



- 1" Red L.E.D. display
- Integrated Buzzer
- 2 Nos. DPDT Relay
- Isolated RS-485 Modbus RTU

* Kindly ask for detail Catalogue and specification of each product

RANGE OF GAS DETECTORS & TRANSMITTERS

	Battery Powered Gas Detector for Oxygen /Toxic		Loop Powered Transmitter for Oxygen/Toxic/Combustible/IR		Smart Gas Transmitter for	
Model No.:	BGD-6033-WP	BGD-6033-FLP	GT-1033-WP	GT-1033-FLP	GT-2500-WP	GT-2500-FLP-SS-HCF
 Product Applications						
	Battery Powered Upto 1 year Battery Life		2 Wire	2 Wire	3 Wire	3 Wire
GENERAL	Battery Powered Upto 1 year Battery Life		2 Wire	2 Wire	3 Wire	3 Wire
• 2 Wire / 3 Wire	Battery Powered Upto 1 year Battery Life		2 Wire	2 Wire	3 Wire	3 Wire
• Pluggable Sensor module	✓	✓	✓	✓	✗	✗
Gases Detected : O ₂ / Toxic / Combustible / VOC	O ₂ / Toxic / 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				✗	✗
• L.E.D. Display	✗	✗	✗	✗	2 Line x 4 Digit L.E.D. Display	
Alarm : • with Buzzer & Flasher	✗	✗	✗	✗	Optional	Optional
• Inbuilt Buzzer	✓	✓	✗	✗	✗	✗
Output : • 4-20mA + HART	✗	✗	✓ + HART	✓ + HART	✓ + HART	✓ + HART
• No. of Relay Output	✗	✗	✗	✗	3	3
• Isolated RS-485	✗	✗	✗	✗	Optional	Optional
PERFORMANCE	±2% of Full Scale.		±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.
Accuracy : ±2% of Full Scale. 	±2% of Full Scale.	±2% of Full Scale.	±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	24V DC
Power Consumption :	✗	✗	✗	✗	Less than 3.6 Watts	Less than 3.6 Watts
ENVIRONMENTAL	-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
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	✗	✓	✗	✓	✗	✗
• Stainless steel Enclosure SS 316	✗	✗	✗	✗	✗	✓
Protection Class : • IP65 • IP66 • IP68	IP65	IP66/IP68	IP65	IP66/IP68	IP65	IP66/IP68
Enclosure Approval :	✗	✓	✗	✓	✗	✓
• CIMFR Tested / PESO Approved	✗	✓	✗	✓	✗	✓
• Ex d IIC T6 Gb	✗	✓	✗	✓	✗	✓
• EMI/EMC - BS EN 50270	✗	✗	✗	✓	✗	✓
Dimension : without Buzzer & Flasher in mm	166(H)x80(W)x55(D)	198(H)x170(W)x125(D)	184(H)x100(W)x55(D)	215(H)x225(W)x125(D)	170(H)x120(W)x60(D)	190(H)x215(W)x126(D)
Sensor Holder : • SS • ABS Plastic	ABS Plastic	SS-316	ABS Plastic	SS-316	ABS Plastic	SS-316
Cable Entry : • Thermoplastic gland	✓	✗	✓	✗	✓	✗
• Double compression cable gland (Ex-Proof) M20 x 1.5P	✗	✓	✗	✓	✗	✓
Mounting :	Wall	• Wall • Stand • Pipe	Wall	• Wall • Stand • Pipe	Wall	• Wall • Stand • Pipe
Weight :	500 Grams	2.5 Kg	400 Grams	2.5 Kg	500 Grams	5.5 Kg









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

RANGE OF GAS DETECTORS & TRANSMITTERS

Oxygen /Toxic/Combustible / IR / VOC				LPG/CNG/PNG Gas Leak Detector		Battery Powered Gas Detector	Smart Gas Transmitter (with HART)
GT-2500-FLP-HCF	GT-2511-WP	GT-2511-FLP-SS	GT-2511-FLP-HCF	GT-4220-WP	GT-4220-FLP	WGD-100-FLP	GT-5022-FLP-HCF
							
3 Wire	3 Wire	3 Wire	3 Wire	4 Wire	4 Wire	Battery Powered Upto 1 year Battery Life	3 Wire
X	X	✓	X	X	X	✓	✓
O ₂ / Toxic / Combustible/VOC		O ₂ / Toxic / IR / Combustible / VOC		LPG / PNG Combustible	LPG / PNG Combustible	O ₂ / Toxic / IR	O ₂ /Toxic/Combustible VOC / IR
• Electrochemical • Catalytic Bead • Pellistor • PID • Hot Swappable Sensor				• Catalytic Bead • Pellistor • Hot Swappable Sensor	• Catalytic Bead • Pellistor • Hot Swappable Sensor	• Electrochemical • IR • Hot Swappable Sensor	• Electrochemical • Catalytic Bead • Pellistor • VOC • IR • Hot Swappable Sensor
X	2 Line x 8 Digit L.C.D. Display	2 Line x 8 Digit L.C.D. Display	2 Line x 4 Digit L.C.D. Display	X	X	3.5 inch Graphical Display	3.5 inch Graphical Display
2 Line x 4 Digit L.E.D. Display	X	X	X	1 x4 Digit L.E.D. Display	1x4 Digit L.E.D. Display	X	X
Optional	Optional	Optional	Optional	Optional	Optional	X	✓
X	X	X	X	X	X	X	✓
✓ + HART	✓ + HART	✓ + HART	✓ + HART	X	X	X	✓ + HART
3	3	3	3	2	2	2	3
Optional	Optional	Optional	Optional	✓	✓	X	✓
±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.	±2% of Full Scale.
✓	✓	✓	✓	X	X	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
X	X	X	X	X	X	✓	X
24V DC	24V DC	24V DC	24V DC	24V DC	24V DC	X	24V DC
Less than 3.6 Watts	Less than 3.6 Watts	Less than 3.6 Watts	Less than 3.6 Watts	Less than 1.5 Watts	Less than 1.5 Watts	X	Less than 3.6 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	-20°C to +60°C	-20°C to +60°C
-30 to +70°C	-30 to +70°C	-30 to +70°C	-30 to +70°C	-30 to +70°C	-30 to +70°C	-30°C to +70°C	-30°C to +70°C
Less than 95% Non-Condensing.							
X	✓	X	X	✓	X	X	X
✓	X	✓	✓	X	✓	✓	✓
X	X	✓	X	X	X	X	X
IP66/IP68	IP65	IP66/IP68	IP66/IP68	IP65	IP66/IP68	IP66	IP66/IP68
✓	X	✓	✓	X	✓	✓	✓
✓	X	✓	✓	X	X	✓	✓
✓	X	✓	✓	X	X	X	X
190(H) x215(W)x126(D)	170(H)x120(W)x60(D)	190(H)x215(W)x126(D)	190(H) x215(W) x126(D)	155(H)x120(W) x55(D)	180(H)x185 (W)x 95(D)	247(H) x213(W) x 120 (D)	230(H) x263(W) x125(D)
SS-316	ABS Plastic	SS-316	SS-316	ABS Plastic	SS-316	SS-316	SS-316
X	✓	X	X	✓	X	X	X
✓	X	✓	✓	X	✓	✓	✓
• Wall • Stand • Pipe	Wall	• Wall • Stand • Pipe	• Wall • Stand • Pipe	Wall	• Wall • Stand • Pipe	• Wall • Stand • Pipe	• Wall • Stand • Pipe
2.5 Kg	500 Grams	5.5 Kg	2.5 Kg	500 Grams	1.25 Kg	5 Kg	3.5 Kg

• Canopy & Mounting stand • Hooter cum Flasher • PC based SCADA software, Modem • iot Modules • cloud ambeiiot

✳ - For better accuracy please contact to factory

Ⓜ - For better Response Time please contact to factory

RANGE OF GAS MONITORS & PANELS

Single Channel Gas Monitors

GM-1100-WP



- Single Channel
- I/P 4-20mA
- 2 Nos. Relay
- RS-485
- IP-65

GM-1100-FLP



CIMFR Tested & PESO Approved Encl.

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

Dual Channel Gas Monitors

GM-2200-WP



- Dual Channel
- I/P 4-20mA
- 2 Nos. Relay
- RS-485
- IP-65

GM-2200-FLP



CIMFR Tested & PESO Approved Encl.

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

Dual Channel Gas Monitor

GM-2200-MS



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

Conventional Multi Channel Gas Monitors (8Channel)

TC-800-MS-Panel



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

TC-800-Weatherproof



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

TC-800-Flameproof



CIMFR Tested & PESO Approved Encl.

- 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

Conventional Multichannel Gas Monitor (16 Channel)

UIP-1600-MS



- 16 Channel
- I/P 4-20mA
- 4 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- USB data Logging
- Ethernet WiFi
- Lora & Lorawan

UIP-1600-Weatherproof



- 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-Flameproof



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

UIP-1600-PANEL



- 16 Channel
- I/P 4-20mA
- 4 Common Relay O/P
- Add-on Relay
- Isolated RS-485 O/P
- USB data Logging
- Ethernet WiFi
- Lora & Lorawan

Conventional Multi Channel Gas Monitoring Panel

• HMI Size Supported : IM-48 -16/24/32 7", 10.2" & 15"



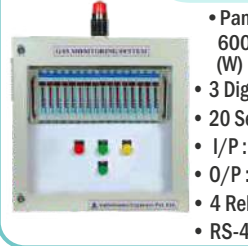
- 4-20mA Input optional
- RS-485 Input
- RS-485 Output optional
- TCP / IP (Optional)
- Alarm indication
- 24 VDC or Potential free 8/16/24 channel Relay outputs for Valves & Alarms

RK - 220 - 8 Channel



- Panel Size in mm : 500 x 500 x 400 (W) x (H) x (D)
- 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)

RK - 220 - 16 Channel



- Panel Size in mm : 600 x 600 x 400 (W) x (H) x (D)
- 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)

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 x 600 x 600 (H) x (W) x (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

CIMFR Tested & PESO Approved Encl.

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-Weatherproof



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

MCC-1322-Flameproof



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

CIMFR Tested & PESO Approved Encl.

MCC-1322-PANEL



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

RANGE OF PORTABLE GAS & FLAME DETECTORS & ANALYZERS

Portable Single Gas Detector with Flexible Gooseneck Probe

PG-100-G



EN-50270 Compliance
PESO Approved & Intrinsically Safe

- High Sensitivity
- Visible and audible alarm at 10% (LEL) Lower Explosive Limit for methane
- Locate the smallest leaks
- Complete with 3 "C" batteries
- Ex ia IIC T6 Ga

Portable Single Gas Detector

PG-100-D




EN-50270 Compliance
PESO Approved & Intrinsically Safe

- 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

Portable Single Gas Detector

PG-100-S



PESO Approved & Intrinsically Safe
EN-50270 Compliance

- 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

Dual Channel Gas Detector

PG-200-D




PESO Approved & Intrinsically Safe
EN-50270 Compliance

- EC/NDIR sensor
- STEL/TWA Alarms
- 50,000 log records
- > 10 hours backup
- USB interface

Portable Multi Gas Detector (4 CH.)


PG-400-D



- Diffusion type
- Graphical L.C.D. display.
- EC/Catalytic/NDIR/PID
- STEL/TWA Alarms
- 1,00,000 records
- > 8 hours backup
- USB interface

Portable Multi Gas Detector (4 CH.)


PG-400-S



- Suction type
- Graphical L.C.D. display.
- EC/Catalytic/NDIR/PID
- STEL/TWA Alarms
- 1,00,000 records
- > 8 hours backup
- USB interface

Portable Multi Gas Detector (8 CH.)


PG-800-D



- Diffusion type
- Graphical L.C.D. display.
- EC/Catalytic/NDIR/PID
- STEL/TWA Alarms
- 1,00,000 records
- > 8 hours backup
- USB interface

Portable Multi Gas Detector (8 CH.)

PG-800-S



- Suction type
- Graphical L.C.D. display.
- EC/Catalytic/NDIR/PID
- STEL/TWA Alarms
- 1,00,000 records
- > 8 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
• Optional 1,00,000 logging records
• USB interface • 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

Trace Oxygen Analyzer

OGA - 3500-PPM



- 200 PPM & 2000 PPM Range Selectable
- 10,000 PPM Range available
- In-built Sensor
- N₂ application

• Available in Weatherproof & Flameproof Enclosure

Percent Oxygen Analyzer

OGA - 3500-VOL



- 10% V/V & 30% V/V Range Selectable
- 100% V/V Range available
- In-built Sensor

Dew Point Monitor

DP-600




- Dew Point : -100°C to 60°C
- Moisture : 0 to 10,000 PPM
- Range Selectable

• Available in Weatherproof & Flameproof Enclosure

Dew Point Sensor

Sensor



DEW Point Sensor
DEW Point Transmitter

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

Smart Gas Analyzer - Oxygen


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

Fixed Temperature Heat Detector

Heat Detector



CIMFR Tested & PESO Approved Encl.

- Available in wide range of temperature settings
- Preset to respond at rated temperature.
- User friendly, Plug & Play operation, Easy testing
- No maintenance, Calibration

Flame Detector Testing Torch

FL-TT-205



AMETRONICS
Flame Detector Test Lamp
UV/IR Flame Detector

- Battery Operated

Flame Detector Mounting Stand

Mounting stand



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

Flame Detector Sun Shield

JB IIC Sunshield

Sun Shield



JB 90 Sunshield

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

UV & Triple IR Flame Detector


FL-3311-Weatherproof



- UV & 3IR Detection
- Fast response < 3 sec.
- 3 Relay O/P
- 4-20mA O/P
- Bluetooth, RS-485 or HART configurable
- IP65
- Built in Hooter cum Flasher

UV & Triple IR Flame Detector

FL-3311-Flameproof




CIMFR Tested & PESO Approved Encl.

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

HOOTER CUM FLASHER FOR ALARM

UV & Triple IR Flame Detector

FL-3311-Flameproof-SS



CIMFR Tested & PESO Approved SS Encl.

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

HOOTER CUM FLASHER FOR ALARM

Ember (Radiant Energy) Detector








EMB-7700-Flameproof



CIMFR Tested & PESO Approved Encl.









- Insensitive to sunlight
- User programmable via
- 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

RANGE OF GAS MONITORS AND PANELS

	Single Channel Gas Monitor		Dual Channel Gas Monitor			Multi Channel
Model No.:	GM-1100-WP	GM-1100-FLP	GM-2200-WP	GM-2200-FLP	GM-2200-MS	TC-800-WP
Product Applications 						
GENERAL	4-20mA from Gas Transmitter Toxic / Combustible / VOC / IR / UV Flame Detector Etc.					
Channel Capacity: 1CH./2CH./4CH./6CH./8CH./12CH.upto-80CH	1 CH.	1 CH.	2 CH.	2 CH.	2 CH.	8 CH.
Input: 4-20mA	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)	✓	✓	✓	✓	✓	✓
Alarm: with Buzzer & Flasher	✓	✗	✓	✗	✓	✓
Keys for Settings: • 3 Keys • 4 Keys • 5 Keys	4	4	4	4	4	5
Display: Single / Dual Display	2 Line x 4 Digit L.E.D. Display	2 Line x 4 Digit L.E.D. Display	2 Line x 4 Digit L.E.D. 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 0.001, 0.01, 0.1,1	Programmable 0.001, 0.01, 0.1,1	Programmable 0.001, 0.01, 0.1,1	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:	LO/HI, HI/LO, LO/Very LO, HI-very HI logic Programmable by user	LO/HI, HI/LO, LO/Very LO, HI-very HI logic Programmable by user	LO/ Very LO & HI/ very HI logic Programmable by user	LO/ Very LO & HI/ very HI logic Programmable by user	LO/ Very LO & HI/ very HI logic Programmable by user	LO/HI, HI/LO, LO/Very LO, HI-very HI logic Programmable by user
LED Indication:	AL1 & AL2 for Relay, FLT for Fail-Safe Relay. PRG, INB, TST, TX, RX	AL1 & AL2 for Relay, FLT for Fail-Safe Relay. PRG, INB, TST, TX, RX	3mm, 7 LED indication for AL1, AL2,TD1, TD2, PRG, TX, RX	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
PERFORMANCE	±0.1% of Full Scale. with standard calibration					
Accuracy:	±0.1% of Full Scale. with standard calibration					
SUPPLY VOLTAGE	230V AC ±10% • 90 to 270VAC					
Power Supply: • 230V AC ±10% • 90 to 270VAC	230V AC ±10% • 90 to 270VAC					
ENVIRONMENTAL	-20°C to 60°C					
Operating Temp.:	-20°C to 60°C					
Humidity:	Below 95% Non-Condensing.					
HOUSING	Weatherproof	Flameproof	Weatherproof	Flameproof	MS Panel	Weatherproof
Cabinet:	Weatherproof	Flameproof	Weatherproof	Flameproof	MS Panel	Weatherproof
Cabinet Material: • Polycarbonate , Grey Colour	✓	✗	✓	✗	✗	✓
• Dicast Aluminium alloy	✗	✓	✗	✓	✗	✗
• Metal sheet Siemens Grey colour	✗	✗	✗	✗	✓	✗
Protection Class: • IP40 • IP65 • IP66 • IP68	IP65	IP65	IP65	IP65	IP50	IP65
Enclosure Approval: • Ex d IIC T6 Gb	✗	✓	✗	✓	✗	✗
• CIMFR Tested / PESO Approved	✗	✓	✗	✓	✗	✗
Dimension : in mm	250(H)x 290(W) x145(D)	356(H)x316 (W)x183(D)	250(H) x 290(W) x145(D)	356(H) x316(W) x183(D)	275(H)x320(W) x100(D)	305(H)x 325(W) x170(D)
Cable Entry:	6	6	8	8	10	8
Cable Gland:	Thermoplastic	Double Compression	Thermoplastic	Double Compression	Single Compression	Thermoplastic
Mounting:	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand	• Wall • Stand
Weight:	2.5 kg	12 kg	2.5 kg	12 kg	6 kg	2.5 kg
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					

★ Any other requirement please contact us, we can design and built as per your specifications in Flameproof Housing

RANGE OF GAS MONITORS AND PANELS

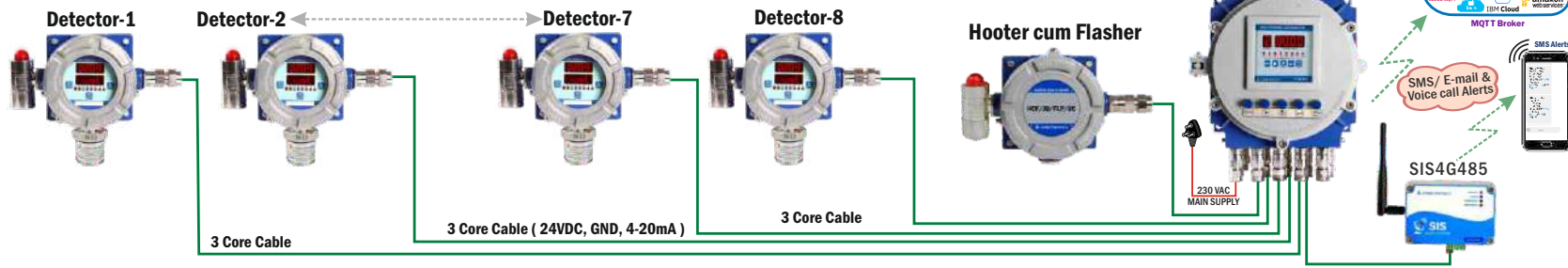
Gas Monitor (8 Channel)		Multi Channel Gas Monitor (16 Channel)			Multi Channel Gas Monitor Panel		
TC-800-FLP	TC-800-MS	UIP-1600-WP	UIP-1600-FLP	UIP-1600-MS	HMI PANEL-IM-48	RK-220- 8CH.	RK-220- 16CH.
							
8 CH.	8 CH.	16 CH.	16 CH.	16 CH.	8,16, 24 CH.	Individual Channel 8	Individual Channel 16,32,48
4-20mA from Gas Transmitter Toxic / Combustible / VOC / IR / UV Flame Detector Etc.					✗	4-20mA from Gas Transmitter Toxic/Combustible/ VOC / IR / UV Flame Detector Etc.	
✗	✗	✗	✗	✗	Per Channel ✓	Per Channel ✓	Per Channel ✓
2	2	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	1 Line x 5 Digit L.E.D. Display	1 Line x 6 Digit 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 -19999 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 0.001, 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, 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 LED for Alarm Indications of both set points AL1, AL2	8/16 Nos. RED LEDs 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
±0.1% of Full Scale. with standard calibration							
230V AC ±10% • 90 to 270VAC							
-20°C to 60°C							
Below 95% Non-Condensing.							
Flameproof	MS Panel	Weatherproof	Flameproof	MS Panel	MS Panel	MS Panel	MS Panel
✗	✗	✓	✗	✗	✗	✗	✗
✓	✗	✗	✓	✗	✗	✗	✗
✗	✓	✗	✗	✓	✓	✓	✓
IP66	IP50	IP65	IP66	IP50	IP54	IP54	IP54
✓	✗	✗	✓	✗	✗	✗	✗
✓	✗	✗	✓	✗	✗	✗	✗
356(H) x316(W)x183(D)	275(H)x320(W)x100(D)	309(H)x325(W)x168(D)	448(H)x431(W)x210(D)	294(H)x320(W)x122(D)	600(H)x600(W)x250(D)	600(H)x600(W)x400(D)	800(H)x 600(W)x 400(D)
10	10	10	10	10	as per channel requirement	16	24
Double Compression	Single Compression	Thermoplastic	Double Compression	Single 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	6 kg	2.5 kg	22 kg	6 kg	30 kg	30 kg	34 kg

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

★ Any other requirement please contact us, we can design and built as per your specifications in Flameproof Housing

APPLICATION EXAMPLES

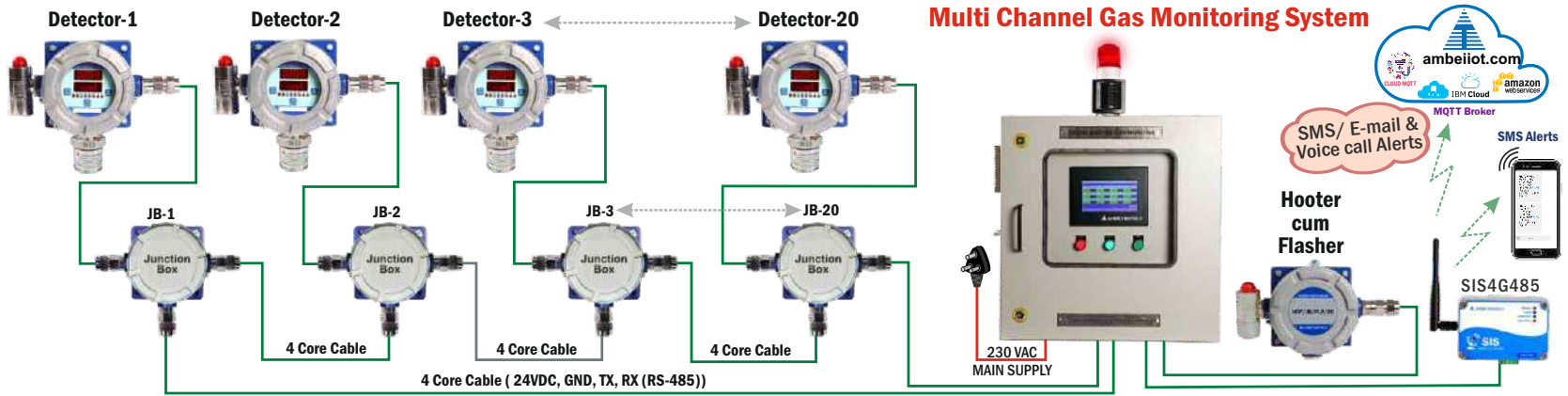
Conventional Multi Channel Oxygen Monitoring System



8 Channel Gas Monitoring System

TC-800-FLP

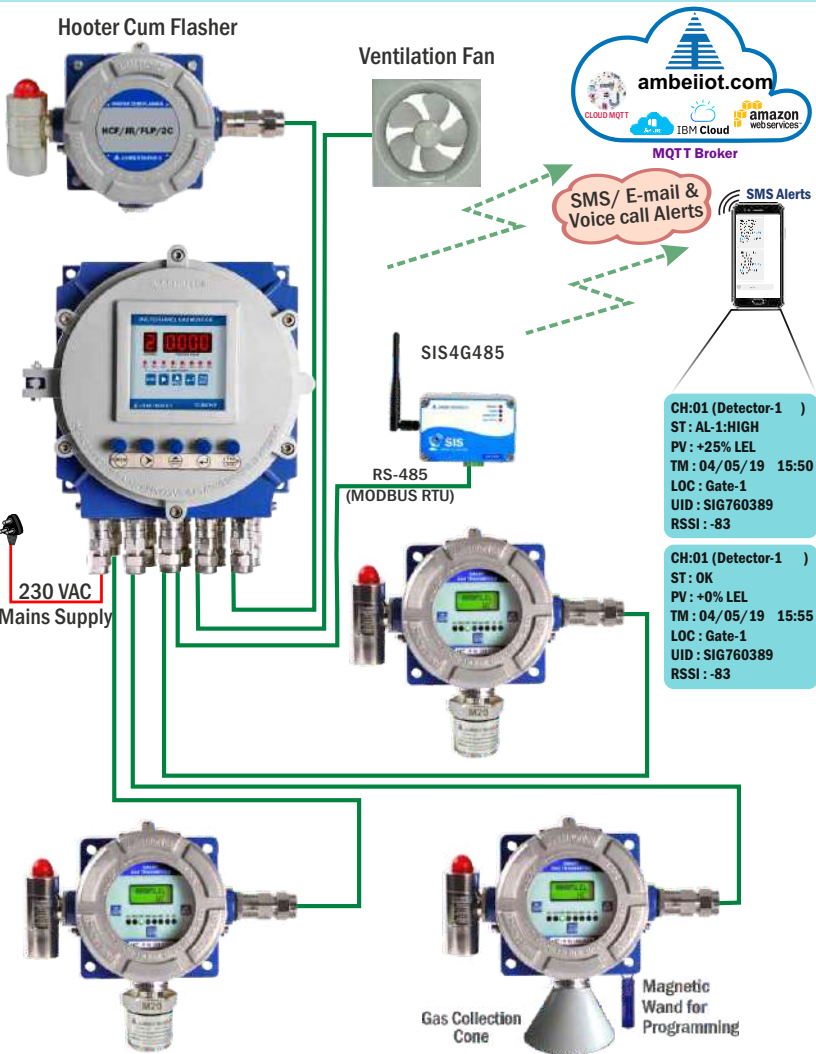
Addressable Multi Channel Oxygen Monitoring System with SMS/ E-mail /Voice call / cloud facility



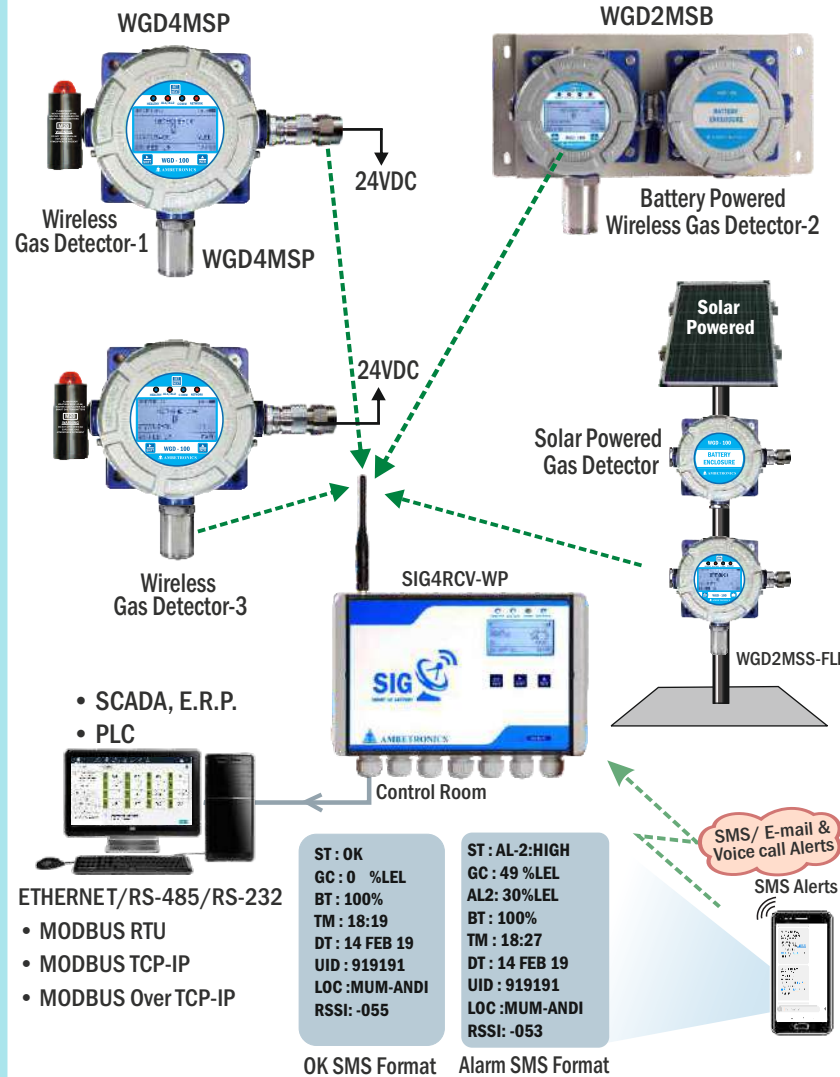
Multi Channel Gas Monitoring System

230 VAC MAIN SUPPLY

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

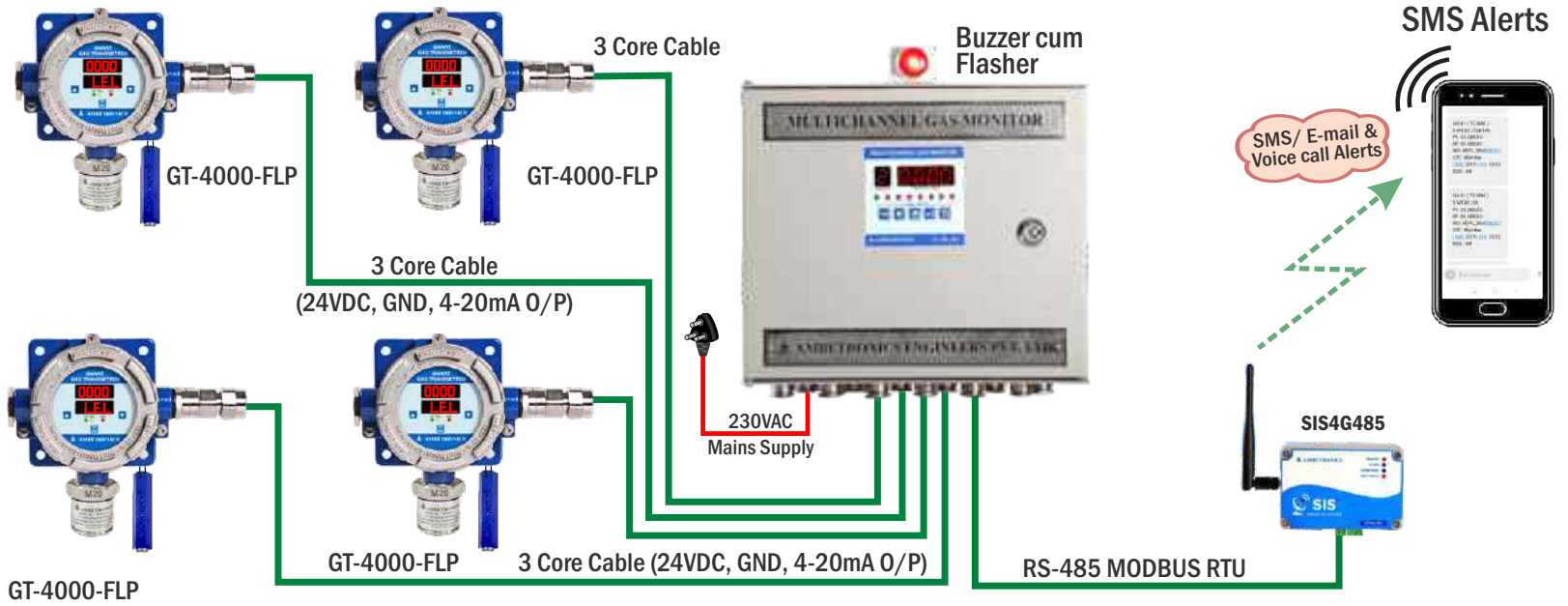


Wireless Gas Detection System with SMS/ E-mail / Voice call / cloud facility

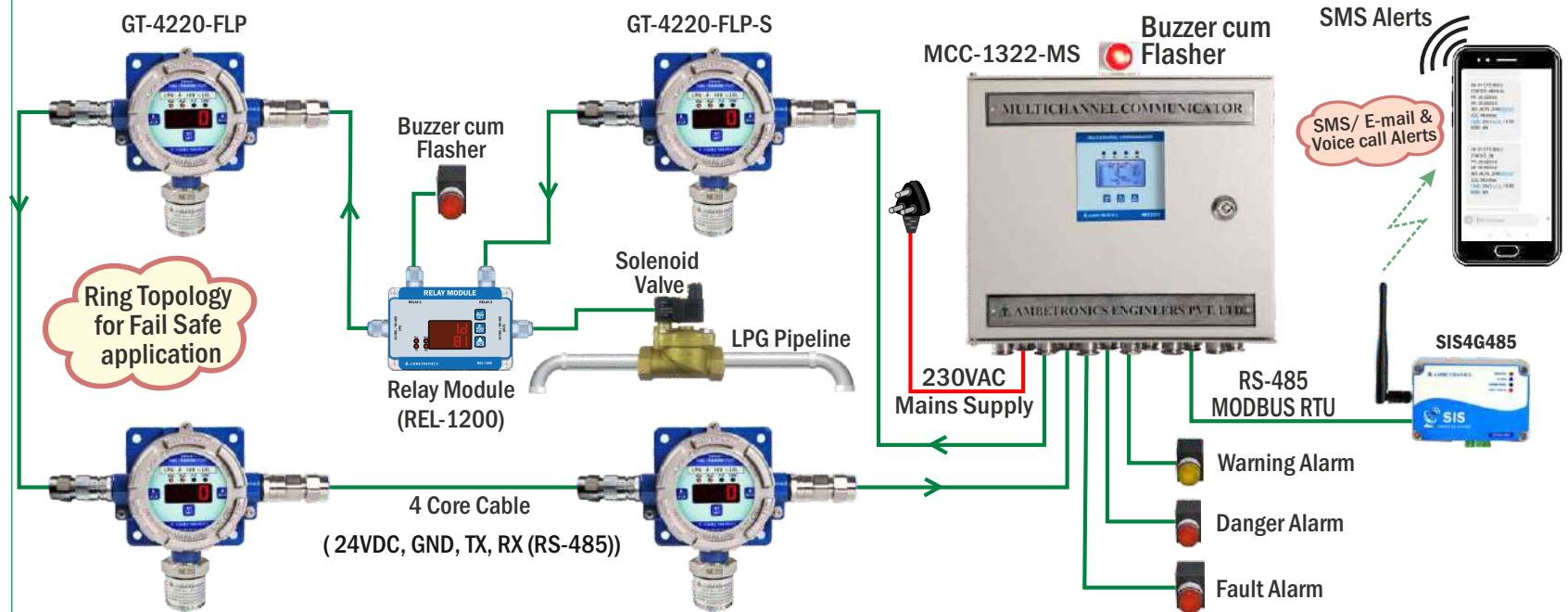


APPLICATION EXAMPLES

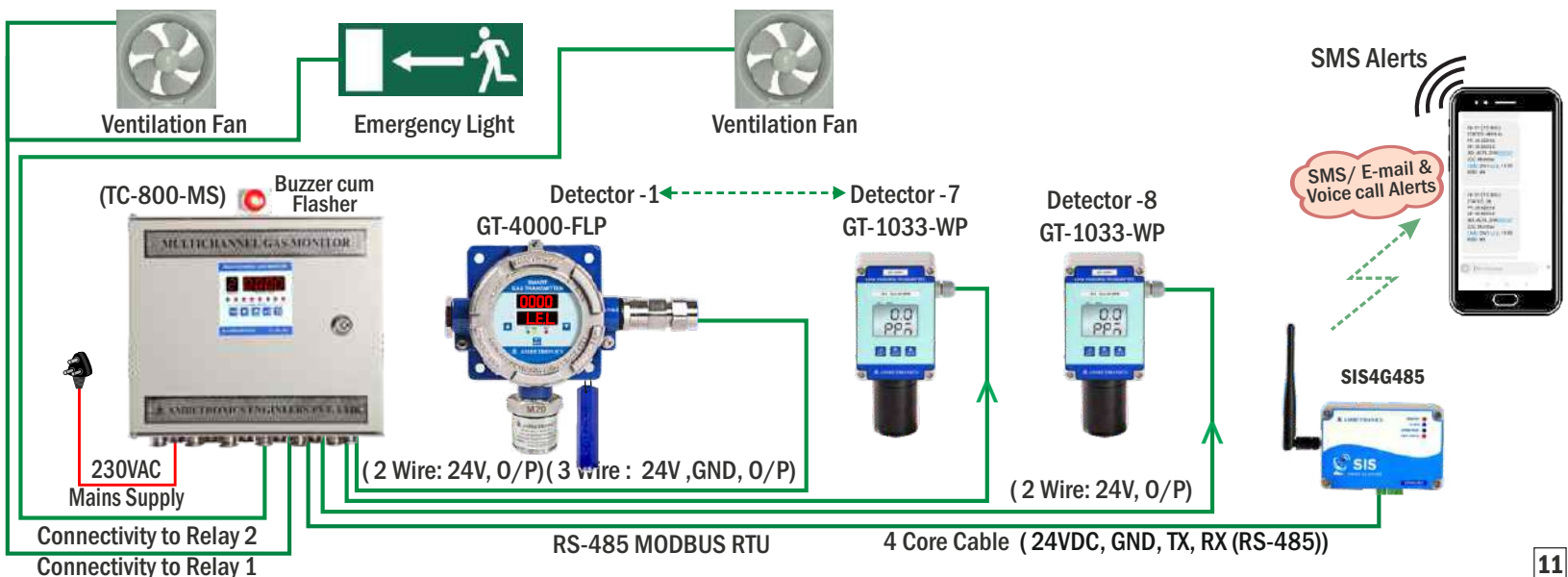
LPG/PNG Gas Leakage Conventional System with SMS/ E-mail / Voice call / cloud facility



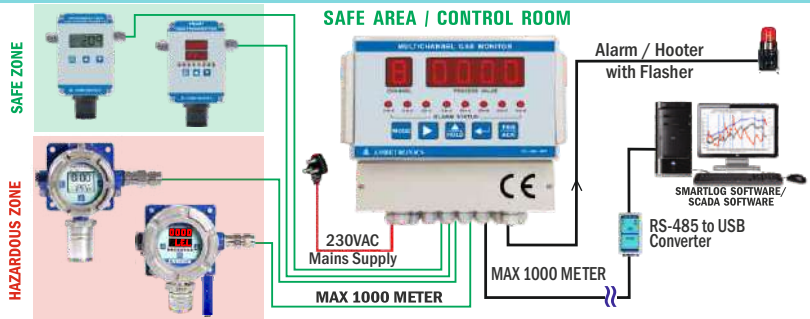
LPG/PNG Gas Leakage Addressable System with SMS/ E-mail / Voice call / cloud facility



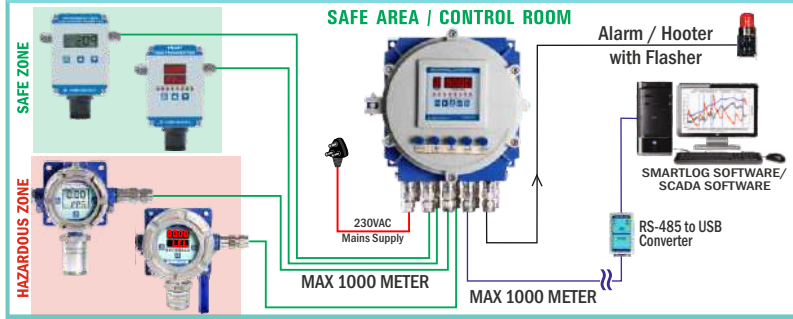
Carbon Monoxide Detection System for Under Ground Car parking Area



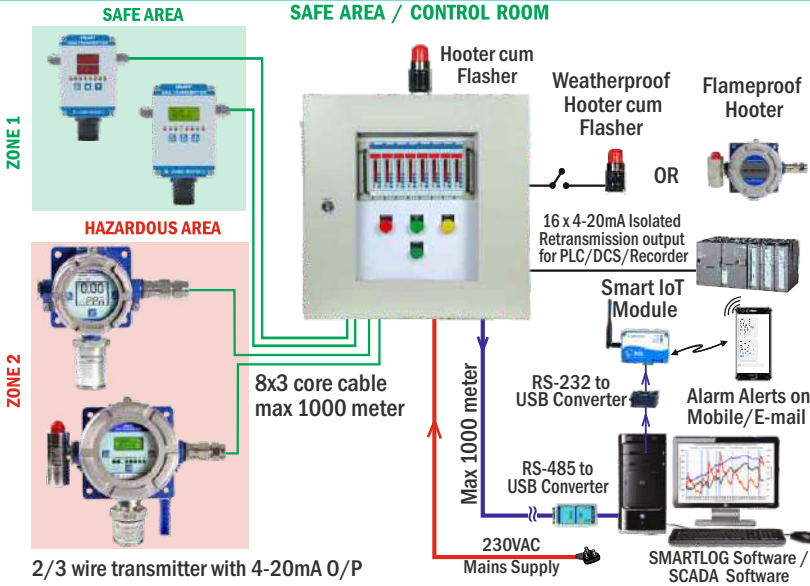
8 CHANNEL GAS MONITORING SYSTEM - WEATHERPROOF - TC-800-WP



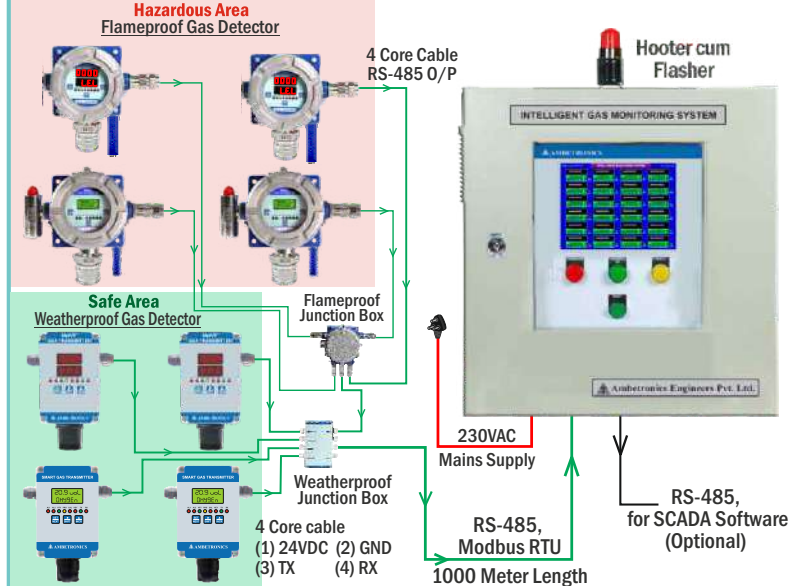
8 CHANNEL GAS MONITORING SYSTEM - FLAMEPROOF - TC-800-FLP



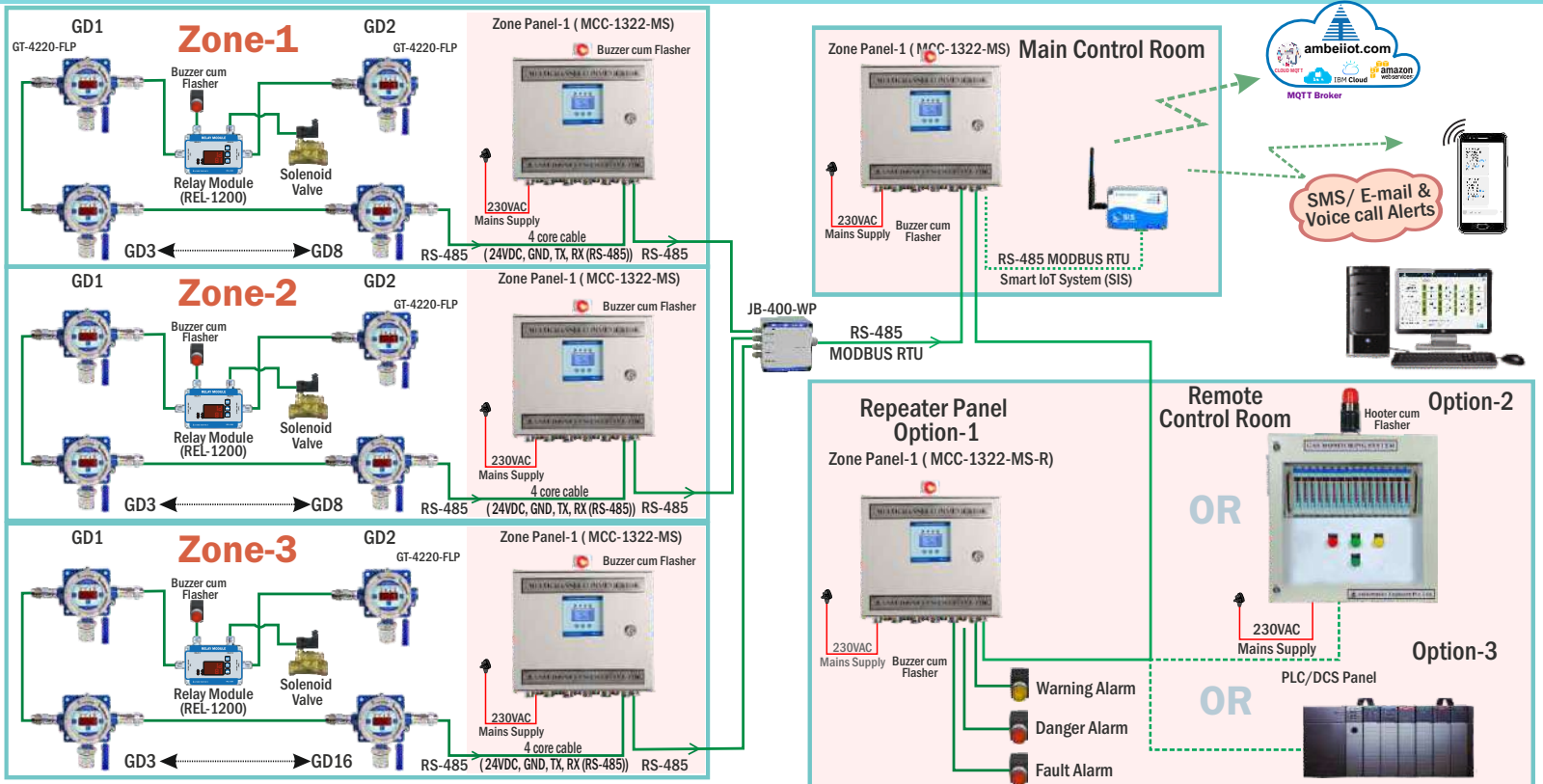
MULTICHANNEL GAS MONITORING SYSTEM - 8 CHANNEL RK-220 - PANEL



INTELLIGENT GAS MONITORING SYSTEM



ADDRESSABLE LPG GAS DETECTION SYSTEM WITH REMOTE ALARM & REPEATER PANEL



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Web : www.saltech.ltd



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