

POLLUTION PROTECTION SYSTEMS MUMBAI PVT. LTD.



PPS gaZalarm Multichannel Gas Detection Controller



Technical Specification:

General	Make	PPS	
	Model No.	gaZalarm Series	
	Type	Modular Programmable type	
	Service	Gas Monitoring	
	Part No.	Refer matrix	
	Application	Indoor - Safe Area	
	No. of Channel	5/12/24/36/48/60	
Monitor	Monitoring Range	0-10/50/100 PPM for Toxic , 0-100% LEL for HC & 0-25% Vol. for Oxygen.	
	Resolution	0.1 for Toxic & Oxygen & 1 for HC gases.	
	Accuracy	1% FSD	
	Input / Output Signal		
	Analog - Input	Measurement	4- 20 mA input from Gas Detectors (Field)
	Push Button- Input	Control	Green - To accept Panel audio alarms
			Red - To Reset Panel Visual alarms
			Yellow - To Lamp Test (Visual Alarm indication)
	Power - Output	Supply	24 VDC to field Gas Detectors
	Analog - Output	Repeater	4-20mA Non Isolated (Source type)
		Display	2-3 Digit seven segment Red
	Digital - Output	Re-transmission	RS 485 - MODBUS RTU
	Status Indication	Visual Alarm	Alarm1- Amber LED per channel Fault - Yellow LED per channel
			Alarm2- Red LED per channel Power - Green LED per channel
	Audio Indication - Output	Audio Alarm	Alarm1 (factory default) Buzzer (Pulsating/ continuous)@ 90db
			Alarm2 (factory default) Hooter @ 90 db
	Relay Contact - Output	Audio Alarm	Alarm1 (Common) SPDT 5A @230VAC/30VDC resistive load.
			Alarm2 (common) SPDT 5A @230VAC/30VDC resistive load.
			Alarm1 (Individual Channel- Option SPDT 5A @ 30VDC resistive load.
			Alarm2 (Individual Channel- Option SPDT 5A @ 30VDC resistive load.
	Input Module	Connectivity	Control Card -ICM07, Alarm card - FM , Power supply card- PSU
	Field Device	Connectivity	2/3 wire Gas transmitter
	Field Device	Connectivity	External Hooter
Enclosure with Accessories	Operating Supply Voltage	110/220AC 50Hz	
	Ambient condition - Operating Temperature	10 -50 Degree C	
	Ambient condition - Operating Humidity	0 - 95% Rh non condensing	
	Ambient condition - Operating Pressure	Atmospheric	
	Type of Enclosure	MS Fabricated , duly Powder-coated	
	Ingress Protection	IP 42	
	Enclosure Material	Sheet Steel / CRCA	
	Enclosure surface finish	Powder-coated in textured RAL7035 or similar	
	Mounting of Enclosure	Wall mounting / Floor standing	
	Enclosure temperature control	Force ventilation using fan on top & air filter at bottom on both side	
	Front door - Push Button	Control	Green - Accept audio alarm /Red - Reset Visual alarm of system
	Front door - On/Off Switch	Control	Input supply of system
	Dimensions (approx.) HxWxD in mm	Wall Mounting	Floor Standing
Accessories		Max 12 Ch- 380x600x300	Max 12 Ch- 1000x600x300
		Max 24 Ch- 570x600x300	Max 24 Ch- 1000x600x300
		Max 36 Ch- 760x600x300	Max 36 Ch- 1200x600x300
	Accessories	Cable Gland	
	Accessories	External Hooter non flameproof/ Flameproof	



®

Registered Office / Works :

226/115, Devendra Industrial Estate, Lokmanya Nagar, Pada No. 2,
Yashodhan Nagar, Thane (W), 400 606.

Telephone : +91-22-2585 6570 / 2588 6457 / 2588 3328

Email : sales@ppsmumbai.com

Version_2022

POLLUTION PROTECTION SYSTEMS MUMBAI PVT. LTD.

(CIMFR | PESO | ATEX | IECEx | CE Certified & Approved)

Gas Monitoring & Flame Detection Systems

www.ppsmumbai.com