

GAS Sense Flammable Gas Detector



The GAS Sense detector can be configured to detect most flammable gases (the available gases and detector model numbers are listed below). Each detector can be used either in a stand-alone mode or connected to Zeta Alarm Systems MGC 126 Multiple Gas Controller addressable panel. Each flammable gas is detected by the catalytic sensor fitted in the lower housing of the device. The GAS Sense series of detectors are colour coded for ease of identification - a light blue border for the LCD display indicating a flammable gas.

The detector provides 3 alarm levels (indicated by relay outputs) and a 24V alarm output.

The 3 alarm levels can be programmed by the user (the default alarm thresholds are indicated below). The 24V alarm output can be configured to operate for any of the 3 alarm thresholds. Alarm LEDs 1 to 3 operate in conjunction with relays 1 to 3, respectively. A fault relay is provided to indicate a detector malfunction.

Supply Voltage	24 V DC
Sensor Type	Catalytic
Sensor Life	5 Years
Lower Explosive Limit (LEL)	See Model No
Alarm Level 1	10% LEL
Alarm Level 2	25% LEL
Alarm Level 3	50% LEL
Outputs	3 alarm level relays & 24V output
Range	0 - 100% LEL
Operating Temperature	0 - 50 C
Max Humidity	95% RH N/C
Size (W x H x D mm)	130 x 170 x 70

Gas	LEL(%)	Zeta Model No
Acetone	2.6	ZS-ACE/2.6
Benzene	1.3	ZS-BEN/1.3
Ethanol	3.3	ZS-ENL/3.3
Ethyl Acetate	2.2	ZS-ELA/2.2
Ethylene	2.7	ZS-ELE/2.7
IsoPropyl Alcohol	2.2	ZS-IPA/2.2
Methane	5.0	ZS-MTE/5.0
Methanol	6.7	ZS-MTL/6.7
Methyl Ethyl Ketone	1.9	ZS-MEK/1.9
n-Butane	1.8	ZS-BUT/1.8
n-Heptane	1.05	ZS-HEP/1.05
n-Hexane	1.02	ZS-HEX/1.02
n-Octane	0.95	ZS-OCT/0.95
n-Pentane	1.4	ZS-PEN/1.4
Propane	2.1	ZS-PRO/2.1
Toluene	1.2	ZS-TOL/1.2
Unleaded Petrol	1.2	ZS-PET/1.2