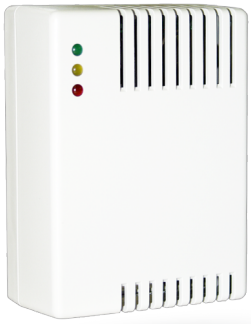
Gas Detector - 12 V DC

Code: GS-133

The GS-133 detector is used to indicate leaking of combustible gases (natural gas, methan, propane, butane, hydrogene).The detector detects two levels of gas concentration - different output reactions.



Product description:

The main GS-133 features are: high reliability and sensitivity, compact size and long stability & lifetime.

Technical information:

Sensitivity:

	Methane	Propane
Level 1	10± 3 % LEL (0.44 % vol. conc.)	18±3 % LEL (0.30% vol. conc.)
Level 2	18±3 % LEL (0.80 % vol. conc.)	30±3 % LEL (0.50% vol. conc.)
	Iso-butane	Hydrogene
Level 1	23±3 % LEL (0.30 % vol. conc.)	9±3% LEL (0,36 % vol. conc.)
Level 2	40±3 % LEL (0.50% vol. conc.)	16±3% LEL (0,66 % vol. conc.)

LEL = Lower Explosive Limit (100 %) according to EN 60079-20-1:for methane 4,4 % vol. conc., for prophane 1,7 % vol. conc., for iso-buthane 1,3 % vol. conc., for hydrogene 4,1 % vol. conc., calibrated by iso-butane

Devices according to	EN 50194-1, cl.1 type A
Power supply	12 V DC ± 20 %
Power consumption	100 mA (150 mA when relay is activated)
Detection method	hot platinum filament
Buzzer sound level	94 dB/0.3 m
Relay output	optional for 1st or 2nd level, max. 24 V AC / 2 A
Alarm memory	selectable
Response time	20 s
Warm up time	approximately 90 s
Working environment	indoor use, -10 to +40°C, IP32D
Working humidity	max 80 %

Designed to operate	at normal atmospheric pressure 86 to 106 kPa
Equipment according to	EN 50194-1 type A
Complies with	EN 60079-29-1, EN 50130-4, EN, 50270, EN 55032, EN 62368-1. EN 50581
For non-explosive areas	
Certified by FTZÚ, certificated body No. 3051	