

## (NH<sub>3</sub>) – Detectors for Ammonia

### G-series – Detectors with relay output, semi conductive sensor (SC)

#### General

Detectors intended for installation in engine rooms, cold rooms or other spaces where gas is used, handled or stored.




The detectors can be used independently, connected to a monitoring unit or to any other monitoring system that accepts potential-free contact.

- Complies with EN378:2008 regulations



#### Features

- The detector is microprocessor controlled and displays the current operating status via LED's
- Three adjustable alarm levels with relay output (230V/5A)
- Alarm delay, selectable in four steps
- Manual or automatic reset on alarm
- Fail-safe function with built-in monitoring and power failure alarm
- Built-in self-test and service function
- Test terminal for service tools
- Robust non corrosive PC enclosure for installation also in aggressive environments

**!** Sensors are a consumable part.  
Expected sensor lifetime ≈ 5 year  
Easy replaceable sensor, see spare parts  
Method for test and calibration: DT300  
Maintenance: at least once a year (at normal operation)

Order code	Model	Details	PG	EURO
	<b>GD</b>	Room mounting Ambient temperature: -40°C..+50°C Humidity: 0..95% Rh (non condensing) IP21		
37-252	GD24-NH3-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	A	554
37-253	GD24-NH3-10000	0-10000 ppm, 12..24V AC/DC, max 2 W	A	554
37-257	GD230-NH3-4000	0-4000 ppm, 230V AC, max 2 W	A	581
37-258	GD230-NH3-10000	0-10000 ppm, 230V AC/DC, max 2 W	A	581
	<b>GS</b>	Splash proof, room mounting Ambient temperature: -40°C..+50°C Humidity: 0..95% Rh (non condensing) IP54		
37-452	GS24-NH3-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	A	671
37-453	GS24-NH3-10000	0-10000 ppm, 12..24V AC/DC, max 2 W	A	671
37-457	GS230-NH3-4000	0-4000 ppm, 230V AC, max 2 W	A	698
37-458	GS230-NH3-10000	0-10000 ppm, 230V AC/DC, max 2 W	A	698
	<b>GSR</b>	Splash proof, room mounting with remote sensor, 5m cable The sensor can hang freely, while the detector is wall mounted Ambient temperature: -40°C..+50°C Humidity: 0..95% Rh (non condensing) IP54		
37-952	GSR24-NH3-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	A	711
37-953	GSR24-NH3-10000	0-10000 ppm, 12..24V AC/DC, max 2 W	A	711
37-957	GSR230-NH3-4000	0-4000 ppm, 230V AC, max 2 W	A	740
37-958	GSR230-NH3-10000	0-10000 ppm, 230V AC/DC, max 2 W	A	740

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	<b>GK</b>	Detector with external sensor for installation in ventilation ducts. A plastic tube with the sensor mounted with a rubber sleeve directly in the channel. 1.5 m cable between the sensor and the detector. Ambient temperature: -40°C..+50°C Humidity: 0..95% Rh (non condensing) IP54		
37-852	GK24-NH3-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	A	711
37-857	GK230-NH3-4000	0-4000 ppm, 230V AC, max 2 W	A	740
				
	<b>GR</b>	Detector specially designed for vent lines from pressure relief valves in refrigeration plants. 1.5 m cable between the sensor and the detector. Ambient temperature: -40°C..+50°C Humidity: 0..95% Rh (non condensing) IP54		
37-652	GR24-NH3-4000	0-4000 ppm, 12..24V AC/DC, max 2 W	A	698
37-657	GR230-NH3-4000	0-4000 ppm, 230V AC, max 2 W	A	725

**Factory-set alarm levels** (by experience appropriate alarm levels and ranges):

Detector type	Range (ppm)	Alarm levels (ppm)
Model - 4000	0 - 4000	150 / 500 / 3000
Model - 10000	0 - 10000 ppm	500 / 3000 / 8000 ppm