

HFC

Detectors with relay output



KEY FEATURES

- **Microprocessor controlled unit with LED status indication**
- **Three alarm levels**
- **Easy to change alarm levels (with use of service tool SA200)**
- **Selectable alarm time delay**
- **Manual / automatic alarm reset**
- **Built-in service mode, self-test and "Fail-safe" function**
- **Three SPDT relay outputs (230V / 5A)**
- **Temperature range -40°C..+50°C**
- **Long time stable and 8-10 years lifetime**
- **Power supply 230V AC or 12..24V AC/DC**

- HFC gas detector

General:

Detectors for refrigeration gas.
To be used in refrigeration plant rooms, cold or freezing rooms or any other location where refrigerant gas is used or stored.

Models:

- Room mounting (IP21 or IP54)
- Vent line from pressure relief valves
- Duct mounting
- With Remote sensor

The detectors can be used as stand alone, connected to a monitoring unit or other monitoring systems.

Measuring ranges and alarm levels:

Relevant alarm levels depend on application.
Detectors supplied as standard for specified gas with preset alarm levels.

Standards and regulations:

For use within EU, see the F-gas regulation from (2006) and EN378. There are also a number of other EN standards specifying the use and performance of HFC detectors. Check also local standards and regulations as hygienic max values etc.

Be sure wiring is done according to local electrical code requirements.

Technical Data:

Gas type:	HFC, HCFC and other blends
Detection principle:	Semiconductor
Range:	0–4000 ppm
Accuracy:	+/- 15%
Indications: alarms	Power/Active LED and three LED.
Alarm levels:	3 adjustable A, B and C-alarm.
Outputs (relays):	3 potential free contacts, SPDT A, B, C-alarm max 230V / 5A.
Power (consumption):	230V AC, max 2VA, 50/60Hz or 12..24V AC/DC, 2VA
Ambient temperature:	-40°C to +50°C
Humidity:	0 to 95% Rh (none condensing)
Material:	PC
Enclosure:	IP21 or IP54
Cable glands:	4 x M16
Dimensions:	see other side
Weight (kg):	24V / 230V model
GD	0,31 / 0,42
GS	0,34 / 0,45
GR	0,57 / 0,68
GSR	0,74 / 0,85
GK	0,51 / 0,62

Product summary

Order code	Model	Description		
	GD	Room mounting 160x80x60 mm IP21		
37-225	GD230-HFC	0-4000 ppm, 230V AC		
37-220	GD24-HFC	0-4000 ppm, 12..24V AC/DC		
	GS	Splash proof, room mounting 160x130x60mm IP54		
37-425	GS230-HFC	0-4000 ppm, 230V AC		
37-420	GS24-HFC	0-4000 ppm, 12..24V AC/DC		
	GSR	Splash proof, room mounting with remote sensor, 5m cable 160x130x60mm IP54		
37-925	GSR230-HFC	0-4000 ppm, 230V AC		
37-920	GSR24-HFC	0-4000 ppm, 12..24V AC/DC		
	GK	Detector for duct mounting with 1,5m cable 160x80x60 mm IP54		
37-825	GK230-HFC	0-4000 ppm, 230V AC		
37-820	GK24-HFC	0-4000 ppm, 12..24V AC/DC		
	GR	Detector specially designed for vent lines from pressure relief valves in refrigeration plants. Standard cable length 1,5m. IP54		
37-625	GR230-HFC	0-4000 ppm, 230V AC		
37-620	GR24-HFC	0-4000 ppm, 12..24V AC/DC		

Preset alarm levels: 100/1000/2000 ppm