

Floodline Refrigerant Gas Detector FGS1000



The Floodline FGS1000 Refrigerant Gas Sensor can provide either a stand-alone Refrigerant Alarm system OR be included as part of a larger water/oil leak detection system or can be used to provide a dedicated refrigerant gas detection alarm package.

The Floodline FGS1000 complies to BS EN378 and detects Refrigerant Gases to HSE Occupational Exposure Limits, the sensitivity controls are calibrated with 1000ppm gas to air mixture using the specified gas (R410A / R407C / R134a etc)

The operating scope of BS EN378 specifies the installation of fixed refrigerant leak detectors in both existing and new system of all sizes with certain exceptions for small unit and self-contained systems.

The Floodline FGS1000 sensors are connected to a standard Floodline Control Panel giving audible and visual alarm features in addition to the facility for onward communication to BMS etc.

Applications:

VRV Air Conditioning systems
Refrigeration compressor packs
Machine / Plant Rooms
A/C Service Tunnels
Hotel Bedrooms
DX Split Units

Detection:

Constant monitoring of the area for any build up of pre-determined Refrigerant Gases above a preset level – When a leak above preset levels is detected, a local audio visual warning is given by a pulsing 85dB sounder; 'LEAK' LED illuminates Amber; 'ALARM' LED flashes Red.

Audible & visual alarms also at central Floodline Control Panel.

Construction:

Powder coated metal Enclosure

Dimensions:

H: 130mm x W: 84mm x D: 60mm

Fixing:

Wall / surface mounted at suitable height based on occupancy of room being monitored & Refrigerant being detected.

Operation:

The Floodline FGS1000 can be preset to several different modes of operation based on position of 3no dip switches:

Default Mode: In Leak Alarm warning is given by pulsing 85dB, 'LEAK' LED illuminates Amber & 'ALARM' LED flashes Red & integral Relay de-energises. Once gas concentration fall below preset level, 'LEAK' LED illuminates Green. Press Reset Button, 'LEAK' LED goes off & Relay re-energises.

Sounder Disabled: As per Default mode but local audible alarm disabled

Manual Mode: As per Default mode but provided Mute Button has been pressed, sensor resets automatically, once concentration falls below preset levels.

Automatic Mode: As per Default mode but system will reset automatically once concentration falls below preset level.

Specification:

Supply: 24VAC OR 230VAC

Relay Outputs: DPCO (5A @ 230VAC)

Indicators: 5mm LEDs

Sounder: 85dB piezo

