

Gas sensor module

for REFRIGERANT R32/R454B/R290 DETECTION

FIS5084-13xx FIS5085-13xx

FIS5062-13xx FIS5086-13xx

The FIS5000 series is a reasonably priced product that incorporates a semiconductor gas sensor into the control circuit. This semiconductor gas sensor has a proven track record in the market for refrigerant gas detection for over 20 years and has gained reliability.



FIS50xx-13NC (Without case)



FIS50xx-13C1(With case)

Features

- **High reliability, long lifetime and market achievements**

The mounted semiconductor SB-type gas sensor developed by our company features high sensitivity, quick response, and excellent durability, long lifetime and many market achievements.
- **Comply to IEC60335-2-40 2022(*For FIS5084 and FIS5062 series)**

Designed to comply with certifications that are beginning to be regulated in Europe and Japan.
- **Designed to UL60335-2-40 Ed.4 (*For FIS5085 and FIS5086 series)**

Designed to comply with certifications that are beginning to be regulated in USA and Japan.
- **Easy installation in your device**

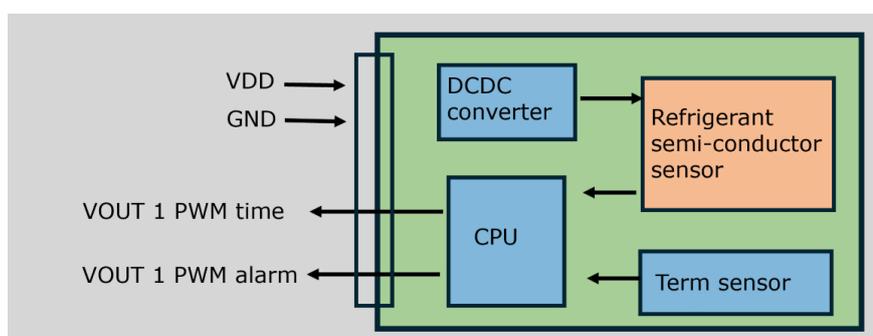
Our module is compact, lightweight, and easy to take out the output signal. You can incorporate our module into your device easily.
- **Can be used under severe environment/condition**

You can choose module with or without case. Module with case has moisture-proof function, so that you can use under severe environment e.g., outside, inside of refrigerator etc.
- **Various output specifications**

 - Alarm output : 1 point can be set.
 - Time output : 2 points can be set.
 - Malfunction output : Sensor failure and circuit failure can be detected.

Specifications: FIS50xx-13xx

Item	Specifications
Gas sensor	SB type semiconductor gas sensor
Target gas	R32,R454B,R290 (Propane)
Response time	Within 30 seconds
Power supply	5.0V DC ± 5%
Alarm output	PWM, Open collector
Alarm concentration	R32 5,000ppm R454B 4,000ppm R290 (Propane) 3,000ppm
Average power consumption	40mA
Operating and storage temperature range	-25~60°C. no condensation
Dimension	Without case 26x 26 x 20(H)mm With case 53.8 x 30 x 22(H)mm
Weight	Without case 5 g / With case 12 g
Dustproof & Waterproof	Moisture-proof paint
Lifetime	15 yrs (Durability of rainproof performance will be set separately.)



<u>Series</u>	<u>Refrigerant gas</u>
<u>FIS5062</u>	<u>R290</u>
<u>FIS5084</u>	<u>R32</u>
<u>FIS5085</u>	<u>R454B</u>
<u>FIS5086</u>	<u>R32 & R454B (2in1)</u>

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Please contact

■ **Nissha FIS, Inc.**

2-4-28, Tagawa Yodogawa,
Osaka 532-0027 Japan
Phone: +81 6-7176-3911
Email: info@fisinc.co.jp
URL : <https://www.fisinc.co.jp>