



Vehicle-Mounted Fuel Gas Leakage Detection Module

(Model:ZP06)

Manual

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ZP06 Vehicle-Mounted Fuel Gas Leakage Detection Module

Profile

ZP06 adopts thick film semiconductor sensor, which is designed for vehicle-mounted fuel gas leak alarm. It has the basic functions of vehicle-mounted flue gas leak alarm: electric power lamp, fault lamp, alarm lamp, output signal of working state; It can be installed respectively in the different positions of the vehicle, reducing the development period and guaranteeing high accurate detection.



Features

High sensitivity, wide voltage input, strong anti-jamming capability, good stability and shock resistance

Applications

It is used for complete device development of vehicle-mounted flue gas leak alarm to detect the flue gas in the vehicle.

Technical Parameters

| | |
|---------------------|--|
| Detection Gas | Natural Gas,LPG,Manufactured gas |
| Detection range | 1~ 25%LEL |
| Sensor Type | Flat surfaced semiconductor |
| Response Time | < 30s |
| Resume Time | < 30s |
| Working Voltage | 6~40V |
| Working Current | < 100mA |
| Output | Signal output S |
| Accuracy | At normal temp. $\pm 4\%$ LEL At high temp. $\pm 6\%$ LEL At low temp. $\pm 6\%$ LEL |
| Expected Life | > 3 years |
| Working Environment | Temp. : -40 ~ 85°C |
| | Humidity : 20% ~ 90%RH |
| Storage Environment | Temp. : -20 ~ 70°C |
| | Humidity: 20% ~ 90%RH |
| Size | Diameter 33mm |

Application instruction

External interface of ZP06 VCC, GND, S.

VCC, GND connects to vehicle power supply; S is output of working status.

Meaning of S :

Normal status :S is high level.

Fault status: S is low level.

Alarm status: S is wave of 1HZ (the high level is higher than 4.5V

ZP06 electric power lamp, fault lamp, alarm lamp.

Meaning of LED lamp status:

Normal status : Green lamp flickers once every three seconds.

Fault status: Yellow lamp keeps light.

Alarm status: Red lamp flickers once every second.

Construction:

