SatSENS.gas

Not only in the transportation of valuable goods, but also in the private sector, e.g. when camping, assaults and robberies often begin with drivers/occupants being stunned by commercially available gases. The SatSENS.gas with its acoustic alarm was developed to avert such dangerous situations and to inform those affected.

The focus of this product is clearly on alerting people who are in the vicinity of the sensor. This is achieved by the fact that the volume of the sound signal in the event of an alarm is loud enough to wake sleeping people. The special tone sequence and tone type also help to be conspicuous. For this reason, the product was also designed so that it can sound the alarm independently and without other components. As a build-up of gas is normal in some situations, e.g. when cooking, the system has a switch to deactivate the function.

Technical data

Operating voltage	9 - 36 V @ 70 mA
Weight	50g
Dimensions	101 x 37 x 27 mm (length x width x height)
Operating temperature	-10°C to +80°C
Gas detection	50ppm of butane, propane or anesthetic gas
Alarm signal	87dBm alarm signal for 30sec - 30sec pause - repeat
Preheating phase	approx. 4 minutes

Signaling

Preheating phase	green LED lights up continuously
Normal state	green LED flashes slowly / rarely
Alarm situation	green LED flashes quickly / frequently (with signal tone)
constant sound	sensor error, e.g. dirty / dusty

Connections

Parallel connection of any number of sensors possible 4-wire (3 used), colored, approx. 2m, Western plug on the device, open cable end

- white | supply voltage, e.g. +24V
- brown | 0V / GND
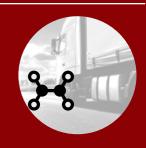- green | digital alarm signal, 0V no alarm, >1V gas alarm

Detection of common gases

Acoustic and visual signaling

Manual deactivation possible, e.g. when cooking

Can be connected to devices of the SatMOS® family