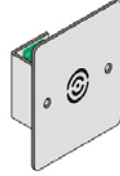
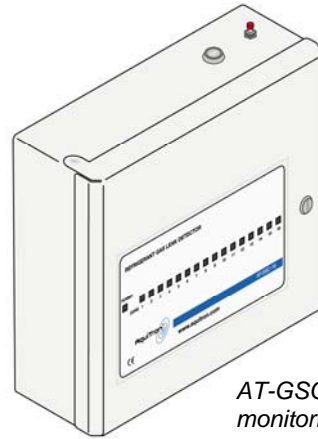




*AT-G-SENSE in room sensor unit*



*Stainless steel single gang facia housing for remote sensors*



*AT-GSC-16 remote monitoring panel*

The AT-G-SENSE is a stand-alone or expandable system, which can detect a wide range of gases. Its features include:

- A stand alone monitor with visual, audible alarms and relays to connect to control systems or to control external devices such as indoor air conditioning units
- 1 alarm level
- Easy to operate
- 16 monitors can be connected to a AT-GCS-16 control panel, which can in turn be connected to a further AT-GCS-16 panel, and so on. This allows the AT-G-SENSE system to be expanded to cover multiple locations
- Reliable-realtime continuous monitoring, no blocked filters, tubes or technical and maintenance problems experienced by air sampling/aspirated systems.
- Fully compatible with AquiNet touch screen central alarm monitoring system.

Whether you are managing a hotel, an apartment building, concert hall or public building, gas leaks and emissions are a concern. You have to ensure that your systems are safe, that adequate monitoring is in place, that you are complying with regulations – and still keep costs under control.

AquiTron has a range of gas detection systems to help you meet all those needs. All AT-G-SENSE products are:

- Designed and engineered to meet customers' specific needs
- Fully compliant with EC and international environmental regulations
- Flexible, easy to install and maintain

### **Applications**

The AT-G-SENSE Range is ideal for gas detection applications in occupied spaces and light industrial and commercial applications and where large systems, up to thousands of sensors, are required.

Typical applications include:

- Refrigerant gas leak detection (detection of most refrigerant gases including: NH<sub>3</sub>, hydrocarbons, halocarbons – HFCs, HCFCs, CFCs)
- Air conditioning – chiller / machinery rooms, roof top units and occupied air conditioned spaces, comfort and industrial, including hotels, apartments, homes, offices, leisure centres, schools, prisons etc.
- Refrigeration – machinery rooms & cold stores
- Combustible gases
- Volatile organic compounds



## Features

Local alarm indication, siren and red LED  
Adjustable delay to avoid false alarms  
Two relays to switch 24V at the pre-set alarm level, auto or manual reset selectable by jumper  
Mute button for siren  
Siren deactivate if a local alarm is not required  
Two wire signal to an optional remote panel which can indicate which sensor is in alarm - 16 channels maximum  
Up to 16 AT-GSC-16 can be connected to another AT-GSC-16 panel allowing expansion up to 256 sensors. You can expand further by multiples of 16

## Technical specification

### AT-G-SENSE

### AT-GCS-16

**Power Supply** - 230v/120vac

230v/120vac

**Visual Alarm** - Red LED

Red LED

**Audible Alarm** - Internal siren with mute (**92dBA at 50cm**)

Local siren

**Siren Deactivate** - The siren can be deactivated by jumper

Siren deactivate key is provided

**Volt Free Relay on Alarm** - Two relays which both switch on alarm to allow the control of equipment i.e. room air conditioning unit or isolating valves

Two relays (10A 230VAC) which both switch on alarm and allow control of external equipment i.e. external air conditioning unit or isolating valves.

**Power Monitoring** - Green LED

Green LED

**Fault Monitoring** - Red LED, siren inactive

Red LED, siren inactive

**Reset** - Auto or manual reset selectable. Reset button for manual reset.

Remote reset, which will reset any sensor or AT-GCS-16 control panel connected to its 16 channels once the particular alarm condition has cleared.

**Delayed response** - Adjustable delay (0, 5, 10 or 15 minutes) to avoid false alarms, using jumpers

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**Alarm Threshold** - Factory set, adjustable locally

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**Delayed Start** - When the AT-G-SENSE is powered up - it will sense for the presence of gas after a initial warm up delay of 5 minutes, the green LED will flash at 1 second intervals during the warm up.

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**Enclosure** - Steel/Plastic box

Steel

**Cable Length** - AT-G-SENSE to AT-GSC-16 panels using 2 wire cable up to 300m length, it does not matter which wire goes to which side of the terminal block position.

AT-G-SENSE to AT-GSC-16 panels using 2 wire cable up to 300m length, it does not matter which wire goes to which side of the terminal block position.

**Dimensions** - 87mmx147mmx61mm (29 if recessed)

262mmx255mmx82mm

**Weight** - 1kg

2.6kg

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Aquilar Limited makes no warranty as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Aquilar Limited only obligations are those in the Aquilar Standard Terms and Conditions of Sale for this product, and in no case will Aquilar Limited be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product. Specifications are subject to change without notice. In addition, Aquilar Limited reserves the right to make changes - without notification to Buyer - to processing or materials that do not affect compliance with any applicable specification.

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