



## REFRIGERANT GAS LEAKAGE MONITORING SYSTEM

Early detection of a refrigerant leak helps prevent dangerous health consequences to occupants, reduces significant loss of expensive refrigerant and decreases energy costs. If a leak does occur, a fixed gas detection system permanently installed in an area where a refrigerant leak is most likely to concentrate will ensure people will be alerted and kept safe.

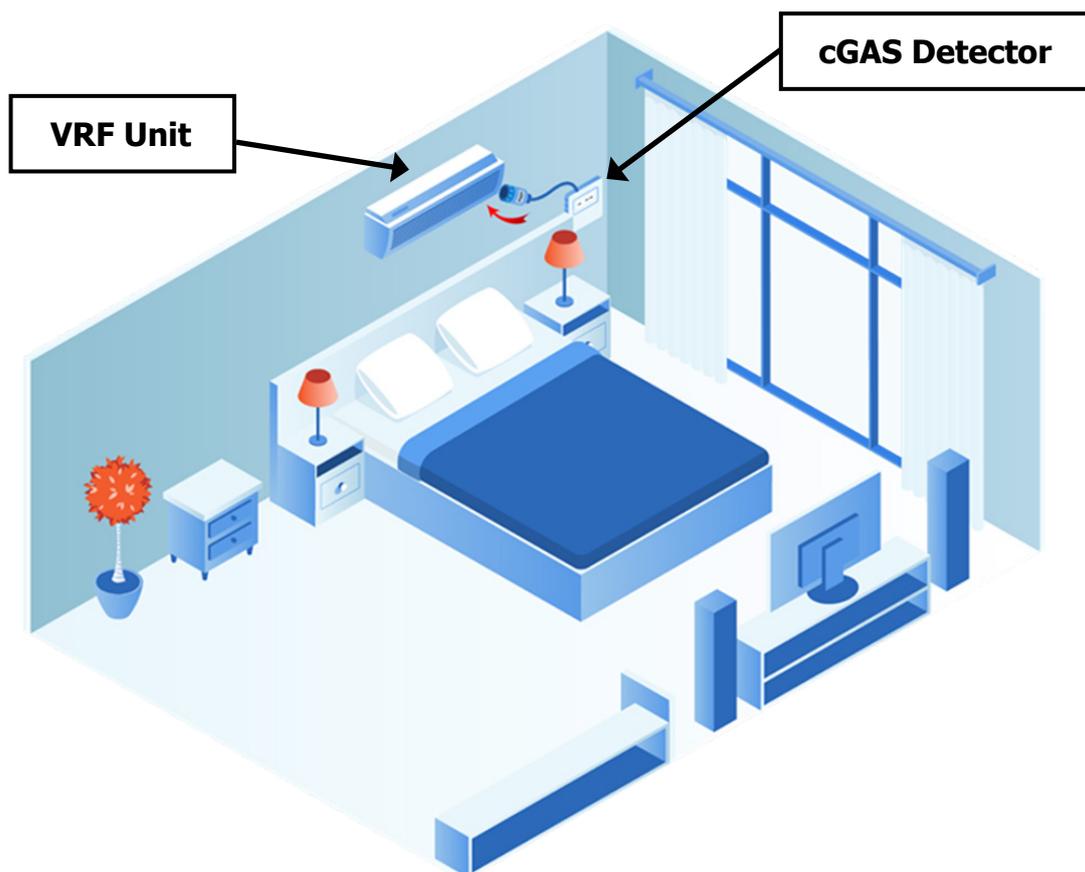
Refrigerant gases are used in air conditioners for cooling, and a common application for air conditioning is in hotels. Many hotel rooms are equipped with air conditioning units to maintain a comfortable environment in which guests can relax and enjoy their stay. Find out how our Refrigerant Gas Leak Monitoring Solution benefits both the guests and the business owner.

## WHAT THE SYSTEM OFFERS

Many hotel rooms are equipped with air conditioning units to maintain a comfortable environment in which guests can relax and enjoy their stay. Air conditioners use refrigerant gas in their cooling operation. There is the potential for the refrigerant to leak out into the room, evaporating into a gas that is harmful for humans to inhale. In addition, the damage a leak can cause to the air conditioner components and the loss of refrigerant add up to costly bills for the hotel owner.

A refrigerant leak can occur if the air conditioning unit isn't performing properly due to wear and tear from continual use, improper operation, inadequate maintenance or any other cause. To ensure the health and safety of guests and to reduce the potential costs if a leak were to occur, our Gas Leakage Detection System, offers the best monitoring solution for either VTAC or PTAC applications.

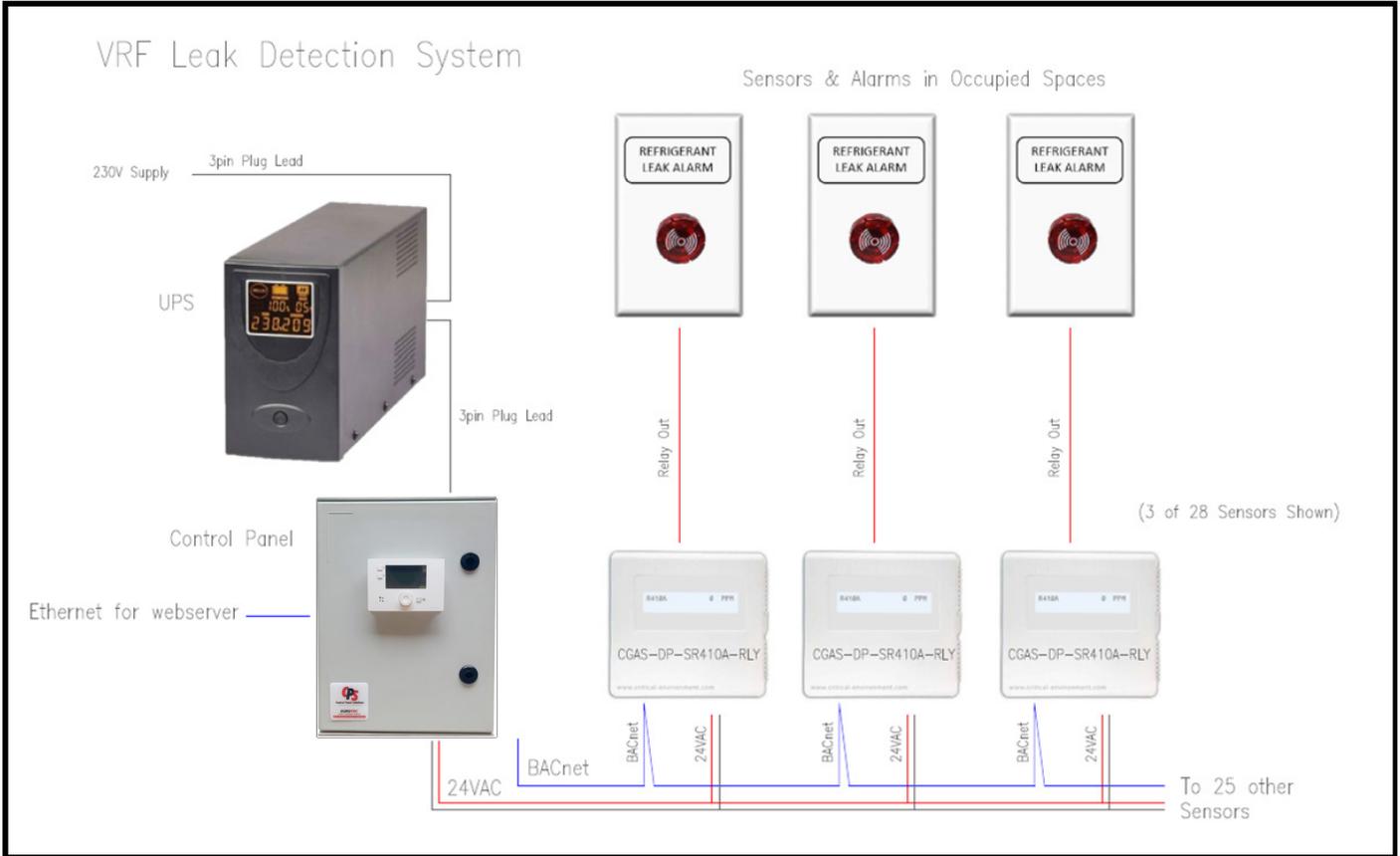
If a leak is detected, the System will communicate with a controller or Building Automation System (BAS) which will then trigger a predetermine response such as quickly switch off the air conditioner and implement an emergency response process, as well as trigger an alarm in the occupied space. Our system is ideal for continuous monitoring of refrigerants in hotel rooms where high efficiency, high volume refrigerant cooling and heating system are used to keep the indoor environment comfortable. The low profile, aesthetically pleasing enclosure is designed to reduce the visibility of the device by the public eye.



The Detection System has configurable Low, Mid and High alarm setpoints. The alarm setpoint value entered is the exact number/level of gas concentration at which the device will indicate an alarm condition and send a signal to the controller or Building Automation System (BAS) which in turn will trigger an emergency protocol to warn of the hazard and keep occupants safe.

Our system work on a BACnet Protocol so can be easily integrated into an existing Building Automation System. All the sensors are BACnet as well making installation hassle free, as well as allowing you to connect up to 48 sensors to one system.

Each sensor has a relay output that is connected to a local alarm with warning light to alert the occupants that there is a leak in their area.



# Contact Us

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