LEADERS IN GAS DETECTION

HVAC

WHO ARE WE?

Control Equipment is an innovative gas detection company located in Brisbane, Australia. We were established in 1977 and we remain one of Australia's most trusted Gas Detection Companies. We believe that customers deserve a reliable source for advanced gas detection equipment as well as solutions to specific gas monitoring applications. We support a valued customer database of Government, Military, Multi-national, Large and Small business in many and varied industries. Our company has supplied and serviced gas detection instruments to these customers for the past 39 years.

HOW CAN WE HELP?

Our many HVAC products are dedicated to the optimisation of building performance. We provide all-encompassing solution systems that deliver to clients - energy efficiency, sustainability and tenant comfort.

Our Service Engineers assess the requirements of the individual customer before a solution is offered. In the interest of both Customer Satisfaction and Occupational Health and Safety, we believe that there is only ever one solution for each application - the correct solution. As a result, we have a reputation of going to extraordinary lengths to ensure the instrumentation offered will fulfill requirements of the specific application.
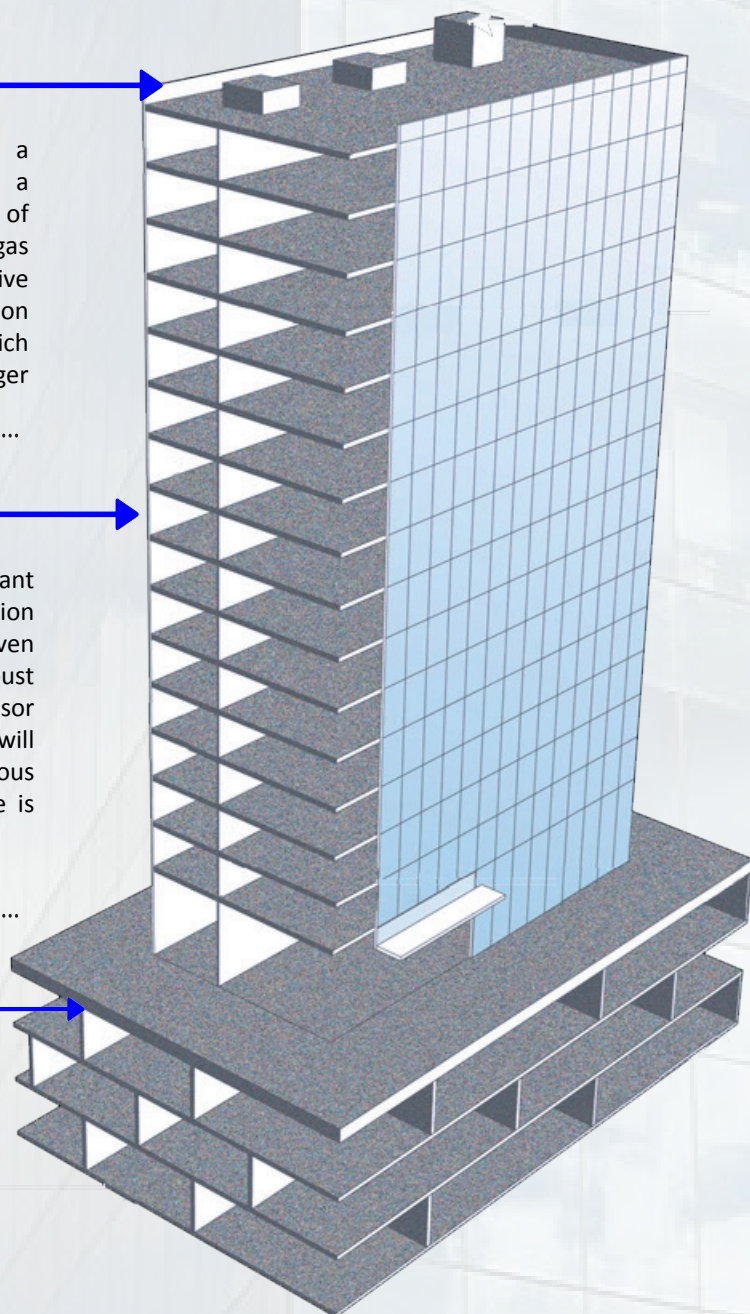
Refrigeration Sensors for Chiller Rooms

Refrigeration Gases are expensive to replace and a major safety concern, so it is important to detect a gas leak early. The GA-ADT-43 Range is one of our most popular solutions for refrigeration gas detection. The GA-ADT-43 is a low cost, highly sensitive sensor and can be used for all refrigeration applications. The lifespan of the sensor is 5+ years which all adds to the reduced cost savings over a longer period of time.

Methane (CH_4) for Boiler / Plant Rooms

The Combustible Gas Sensor is a solution for Boiler / Plant rooms. It is a highly reliable catalytic style diffusion sensor which is designed to give extended service even under extreme conditions. Arguably the most robust catalytic Combustible sensor on the market, this sensor will typically last 3-7 years. A gas detection system will indicate a leak prior to it reaching dangerous concentrations as well as indicate when maintenance is required on the boilers.

Nitrogen Dioxide (NO_2) for Loading Docks

Most loading vehicles consume diesel fuel creating toxic exhaust fumes. Industrial and Commercial buildings have trucks that load and unload all day causing fans to operate continuously. Installation of a C2300 sensor near the loading dock to activate the exhaust fan will greatly reduce electricity costs.
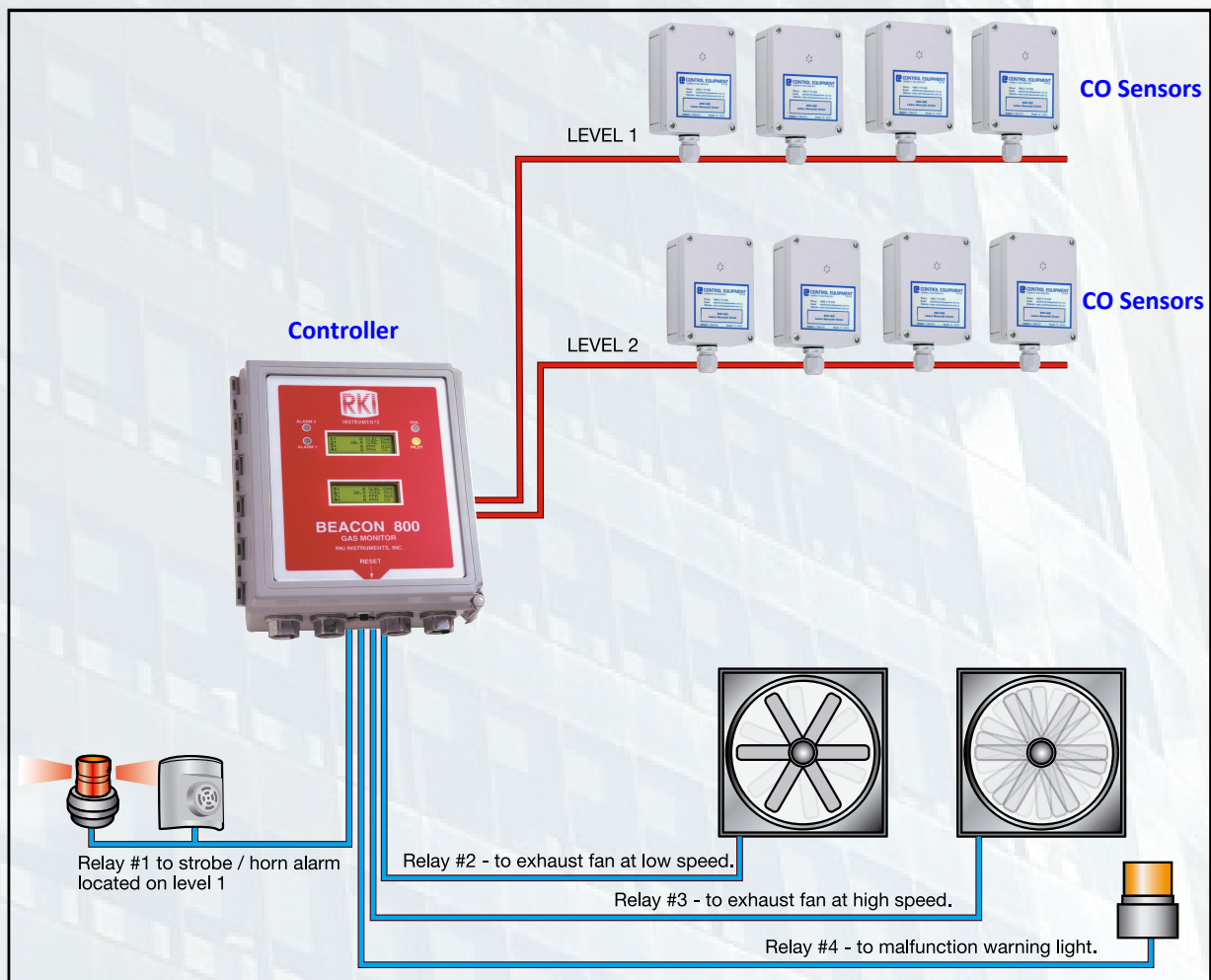
Figure 1: Typical Carbon Monoxide Monitoring System for a two level parking structure.

Within the figure:

CO Sensors

CO Sensors

LEVEL 1

LEVEL 2

Controller

RKI INSTRUMENTS

ALARM 2
ALARM 1   FAL   FAULT

BEACON 800
GAS MONITOR
RKI INSTRUMENTS, INC

RESET

Relay #1 to strobe / horn alarm located on level 1

Relay #2 - to exhaust fan at low speed.

Relay #3 - to exhaust fan at high speed.

Relay #4 - to malfunction warning light.

Carbon Dioxide (CO$_2$) for Indoor Air Quality

CO$_2$ is not considered harmful at levels found in most buildings. However the installation of a CO$_2$ monitoring system can help improve a building's energy efficiency by continuously monitoring the level of CO$_2$ in the air and adjusting the ventilation supply accordingly. The benefits of which can attribute to lower power consumption and better controlled ventilation systems.

Carbon Monoxide (CO) for Car Parks

With ever rising power costs in mind, we provide economy sensors that are used for direct measurements of CO in the air. CO is a toxic gas which can be a health risk to the general public when encountered in enclosed car parks. Where there is no CO System in place the ventilation system must run 24/7. By installing a CO system the ventilation system will only operate when the CO levels are above the set levels, thus reducing running costs.
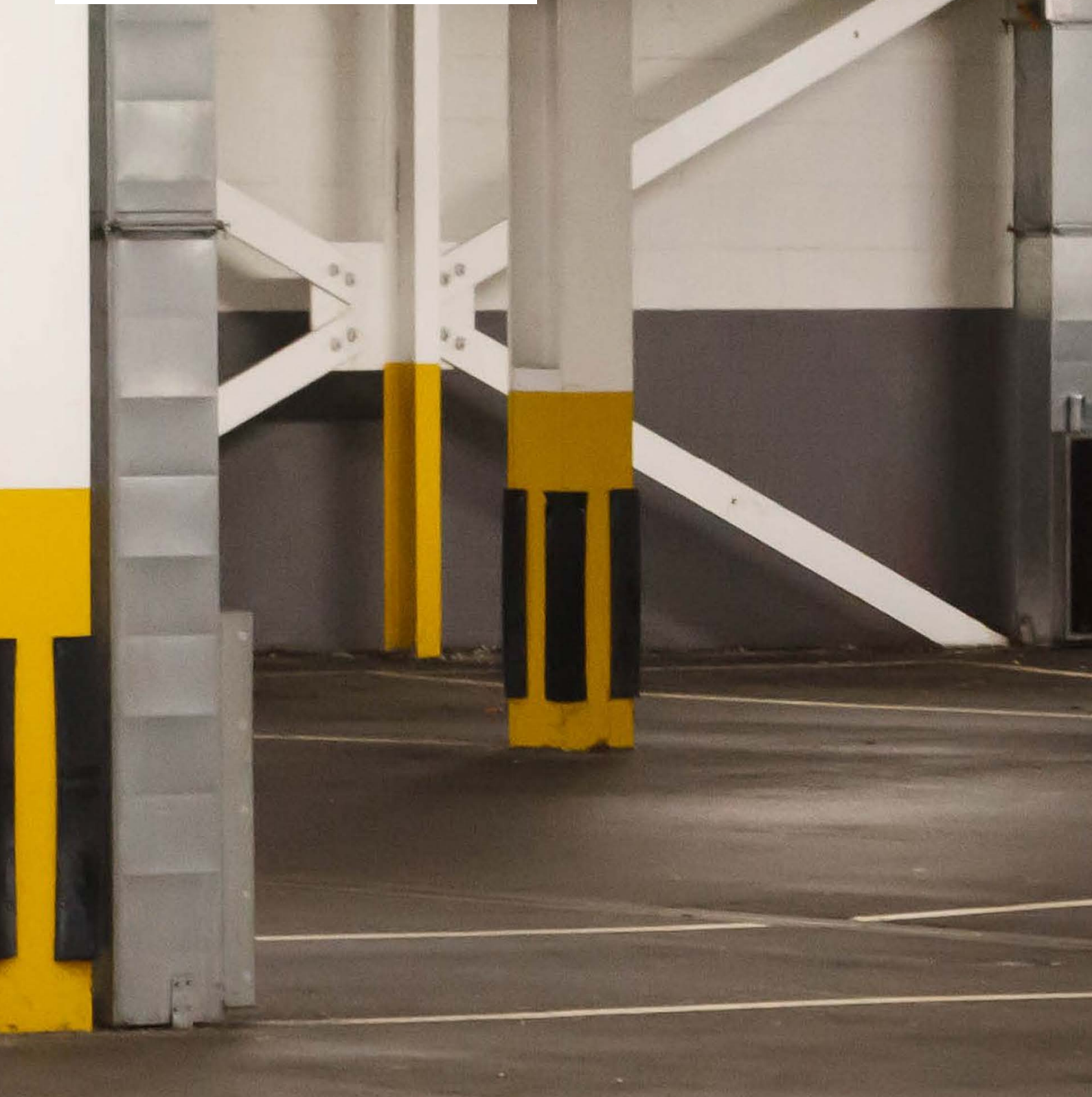
OIL & GAS   CONFINED SPACE   HVAC   MINING   LABORATORIES   COUNCILS   DEFENCE   SHIPPING   FUMIGATION