



**Engineered Controls** provides complete turn-key building control solutions, system design, installation, service, and maintenance work for our customers.

In our 20 years of operation, **Engineered Controls** has provided innovative and cost effective control solutions to over 3,500 satisfied customers.

### For More Information Call

402.339.1300      402.434.2110  
Omaha Office      Lincoln Office



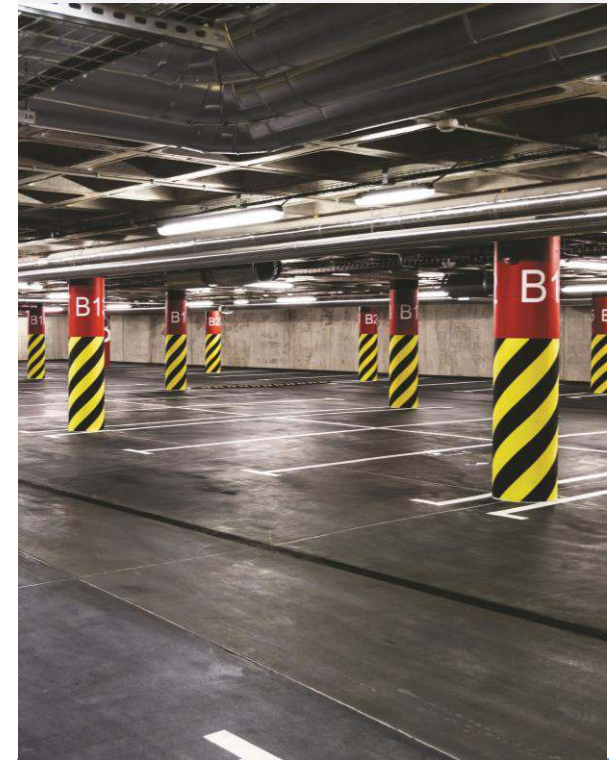
## Other Services We Provide:

- *Temperature Control & Integration*
- *Building Automation Systems*
- *Commercial Gas Detection*
- *Access and Video Systems*
- *Innovative Parking Systems*
- *Lighting Control Systems*
- *Scheduled Maintenance & Service*

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## Commercial and Industrial Gas Detection

## Required Maintenance of Gas Detection Systems

A vital part of ensuring any gas detection system operates correctly, regardless of manufacturer, is scheduled functional testing, preventative maintenance and calibration.



**Honeywell E3Point Gas Detection System**

Gas detection applications vary widely and therefore, so do the factors that affect the frequency of servicing required to ensure proper operation. These factors may include but are not limited to; sensor location, extreme temperatures, and exposure to contaminants.

Manufacturers recommend sensor inspections every six months and to have a functional “bump” test performed. A calibration gas is applied to the sensor to ensure the system is running efficiently.

## Gas Detection It can save lives.

- ✓ **6 Month Equipment Test**
- ✓ **Yearly Calibration**
- ✓ **Plug-N-Play Sensors**
- ✓ **Full Range of Accessories**
- ✓ **Flexible Applications**
- ✓ **Network and Standalone**



## Life Cycle and Calibration

Gas detection system sensors all have a life expectancy that is determined by the environment in which the sensor is installed. Dirt, moisture, extreme temperature, and exposure to high concentrations of gas can all shorten the lifespan of the sensor.

Manufacturers recommend a full system calibration of the sensors, required to be completed, every 12 months to maintain optimal performance. This will ensure the maximum life expectancy of the sensor is reached. Failure to maintain the system will result in degraded performance, premature sensor failure and a potential life safety liability.

### Sensor Life Expectancy Chart

Sensor Type	Life Span Specifications (Typical)
CO	6 Years
NO2	2 Years
Methane	2 Years
Hydrogen	2 Years

*For specific maintenance schedules please refer to the product specifications sheet.*