

Major Gas Detection Installations

INTEC
CONTROLS

Powered by  BUILDING CONTROLS & SOLUTIONS

INTEC Controls, a brand of Building Controls and Solutions, provides compatible quality controls, peripherals and interface devices to the HVAC Controls, Energy Management and Building Automation markets.

Our continuing goal is to provide our customers with reliable, competitive products and knowledgeable sales support that builds long lasting relationships based on mutual trust, respect and loyalty.

A trusted business partner for over **25** years!

INTEC Controls

12700 Stowe Dr., Suite 100
Poway, CA 92064 USA

Tel: (858) 578-7887
Fax: (858) 578-4633

info@intecccontrols.com
intecccontrols.com

Specifications subject to change.

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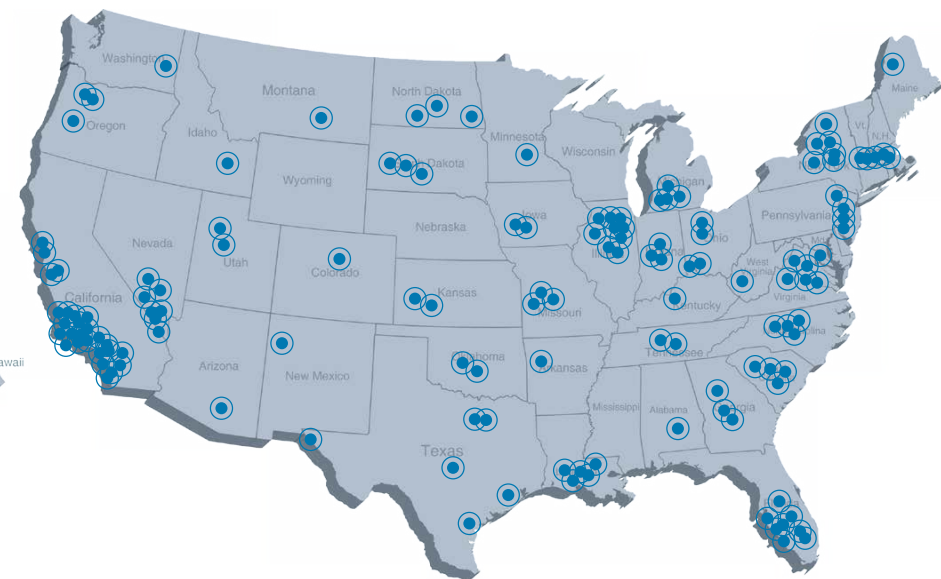
Revision 200226

DEMAND CONTROLLED VENTILATION FOR PARKING GARAGES

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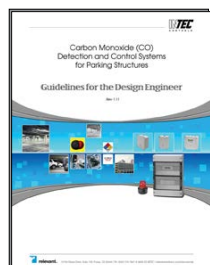
Carbon Monoxide • Nitrogen Dioxide • Natural Gas • Hydrogen



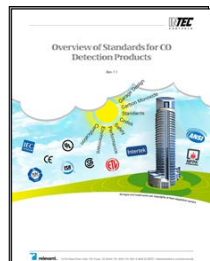
.... Plus **HUNDREDS** of other locations **WORLDWIDE!**



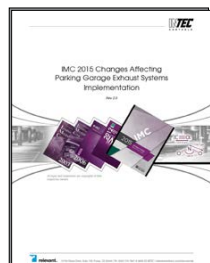
Additional Information From Our Technical Library



Carbon Monoxide (CO) Detection and Control Systems for Parking Structures



Overview of Standards for Carbon Monoxide (CO) Detection Products

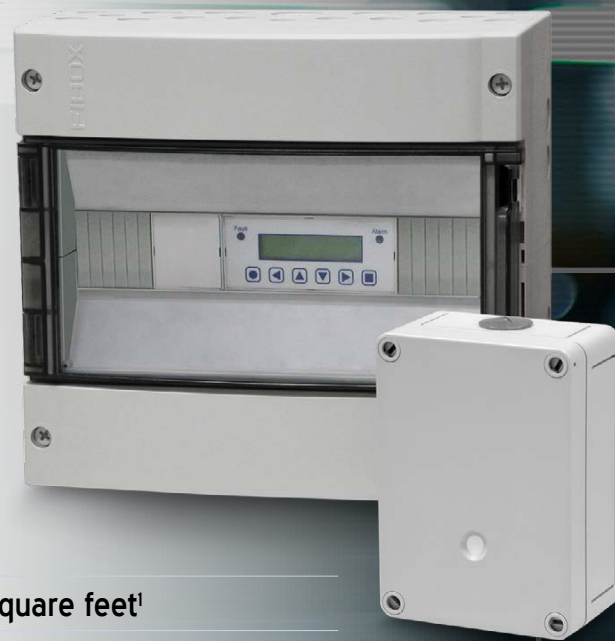


IMC 2015 Changes Affecting Parking Garage Exhaust Systems Implementation

Large & Medium Garages

Centralized System Controller with Remote Sensors, Fan Controls and Warning Annunciators

- Robust, dedicated sensor and control network of gas sensors, fan controls and warning devices
- Low-cost, low-profile sensors report gas levels to central controller
- Low-cost, low-profile fan control modules
- Field-proven controllers designed exclusively to mitigate toxic and combustible gas hazards 24/7
- Unique “second measurement” provides economical piggybacking of nitrogen dioxide, temperature, or humidity sensing and control
- Robust system diagnostics
- Automatic service reminder
- Optional interface to Building Management Systems via BACnet or Modbus
- Large controllers (DGC5-series) monitor up to 735,000 square feet¹
- Mid-size controllers (DGC3-series) monitor up to 120,000 square feet¹



INTEC Controls offers cost-effective solutions for all enclosed garages from apartment buildings and condos to multi-level office buildings and airports.

Our UL 2075 performance certified gas monitoring systems provide a fail-safe way to significantly reduce energy consumption while ensuring patron safety and comfort.

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Small Garages & “Fixed Zone” Retrofits

- Standalone, programmable sensor/controllers loop wired to fan controls
- Unique “second measurement” provides economical piggybacking of nitrogen dioxide, temperature, or humidity sensing and control



Direct to Building Management Systems

Facilities with high-performance Building Management Systems and 24/7 manned supervision, may wish to incorporate all of the gas monitoring control and diagnostics functions into their BMS. INTEC Controls offers our gas sensors with BACnet and Modbus communications options.

Lifecycle Maintenance

It is commonly understood that car tires last longer if they are kept to proper inflation and are regularly rotated and balanced. Likewise, when properly maintained, gas detection and control systems will deliver their original level of protection and energy efficiency for many years. Just as tires naturally lose pressure over time, electrochemical gas sensors lose “sensitivity” as they are exposed to more and more exhaust gas. Periodic checking and calibration of the sensors as well as “bump tests” to verify proper fan control are necessary and beneficial for efficient long-term performance. INTEC’s certified contractors may perform this service or garage owners/operators may do it themselves with calibration tools and test gas offered by INTEC and others.

Certified Performance

INTEC Controls proudly offers UL 2017 certified controllers and UL 2075 certified carbon monoxide transmitters. Only products that have been rigorously tested in an independent Nationally Recognized Testing Laboratory carry this distinction on their label. While also important, products certified to UL-60101-1 have only been tested for electrical safety - not functionally tested to ensure that they perform their task under extreme operating conditions.

¹ Square footage estimates based on typical 7,500 square foot coverage per CO sensor. Allowable coverage area may be reduced by local codes or standards.

Local building codes or standards may have specific requirements concerning the mitigation of hazards created by vehicle fuel and exhaust gasses, including but not limited to the density and placement of sensors, third-party safety approvals of sensors and controllers, impact on facility energy efficiency, and life-cycle maintenance. Always check applicable building, mechanical and electrical codes before designing or installing any toxic or combustible gas monitoring and control devices.

- Low-cost, modular design simplifies startup and lifecycle maintenance

- Water-tight, dust-tight, and nearly unnoticeable



Sensor & Control Modules

UL 2075 PERFORMANCE CERTIFIED

inteccontrols.com | FIELD-PROVEN SOLUTIONS FOR ALL SIZES OF ENCLOSED PARKING GARAGES