

COMPLIANCE SOLUTIONS

PARKSENSE-CA™ PARKING GARAGE GAS DETECTION

PURPOSE-BUILT FOR THE TITLE-24 CALIFORNIA ENERGY CODE

CET's ParkSense-CA™ gas detection solution complies with the stringent requirements of the Title-24 energy efficiency standards including monitoring CO, occupancy and the operation of fans and airflow rates.

Stay compliant, reduce risk, and safeguard parking facilities. Trust the gas detection experts to keep your critical environment safe.

COMPLIANT, COMPLETE, SAFE

- **FCS:** Multi Channel Controller with Modbus® RS-485 or BACnet® WAN output to BAS
- **CGAS-D-CO:** Digital Transmitter with CO sensor
- **RSH-24V-R:** Remote Strobe/Horn Combo

Talk to one of our gas detection experts today to learn about compliant gas detection solutions.



ParkSense-CA, the complete solution



**THE
GAS DETECTION
EXPERTS.**

WWW.CETCI.COM
(877) 940 8741
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PARKSENSE-CA: MEETING SPEC

- The FCS offers control structure using alarm level settings, time of day settings, advanced logic, multiple priority levels per zone and datalogging
- Sensors are factory calibrated and annual calibration is recommended
- RSH can be used for audio/visual alarm to enhance safety

FCS Multi Channel System Controller

- Four 5A relays, audible alarm, touch LCD display with menu, zoning, logic control, and data logging
- Modbus® RS-485 or BACnet® MS/TP output for BAS integration
- 90–240V AC power supply
- Options: 4-20mA or 0-10 voltage outputs for VFD control, Strobe, Door Lock, Internal Heater

cGas Detector Digital Transmitter (CO)

- 0-200 ppm sensor range
- Modbus® RS-485 or BACnet® MS/TP output, 4-wire VAC/VDC
- Options: Relay, Low Temp Operation, Splash Guard

Remote Strobe / Horn Combo

- Multiple alarm features in one device
- Independent settings for horn, strobe or horn and strobe together
- Three lens colours to choose from

CRITICAL ENVIRONMENT TECHNOLOGIES



Flexible Control System (FCS)



cGas Detector (CO)



Strobe/Horn (RSH-24V-R)



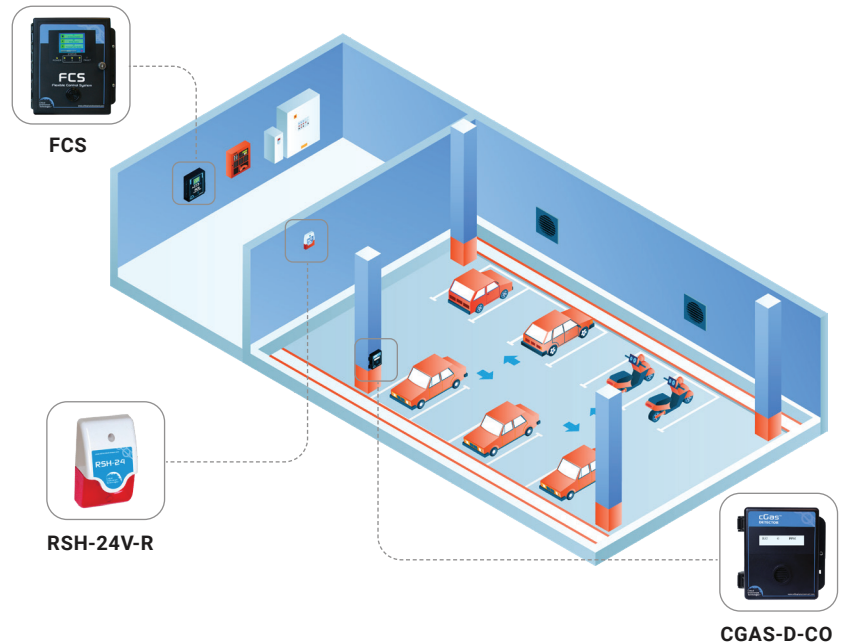
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COMPLETE SYSTEM INTEGRATION BUILT TO MEET SPEC

- FCS Multi Channel Controller
- CGAS-D-CO Digital Transmitters
- RSH-24V-R Remote Strobe & Horn



2025 CALIFORNIA ENERGY CODE – TITLE 24, PART 6, SEC 120.6(C)

Mechanical ventilation systems for enclosed parking garages where the total design exhaust rate is $\geq 10,000$ cfm must meet all of the following.

Must detect contaminant levels and stage or modulate fan airflow to $\leq 50\%$ of design capacity, provided contaminant levels remain acceptable.

Controls/devices must ensure fan motor demand is $\leq 30\%$ of design wattage at 50% airflow.

At least one CO sensor per 5,000 ft², placed in areas of highest expected concentration. Minimum two sensors per proximity zone (zones separated by floors or barriers).

CO concentration levels must be maintained at ≤ 25 ppm at all sensors at all times.

The minimum ventilation rate must be at least 0.15 cfm/ft² when the garage is scheduled to be occupied.

Garage must be maintained at neutral or negative pressure relative to other occupiable spaces during occupancy.

CO sensors shall be certified by the manufacturer to be accurate within $\pm 5\%$ of measure and not drift more than 5% per year. They will be factory calibrated and require calibration no more frequently than once a year.

CO sensors shall be monitored by a control system with failure detection logic:

- Uncalibrated sensors within the specified period are considered failed.
- Unoccupied periods: If any sensor deviates > 15 ppm from the average for > 4 hours, it is considered failed.
- Occupied periods: If any sensor's 30-minute rolling average deviates > 15 ppm from others in the same zone, it is considered failed.

Upon detection of a failure, the system must reset and transmit an alarm to the facility operators.

A certificate of acceptance must be submitted to the enforcement agency that certifies that the equipment and systems meet the acceptance testing requirements specified in Reference nonresidential appendix NA7.12.

It is the user's responsibility to ensure compliance with applicable regulations. CET is not liable for errors, omissions or misinterpretations. 10-25



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