

**Gas detection network controller  
offering safety, energy efficiency,  
and ease of installation**

# The 301C Controller continuously monitors and controls toxic, combustible, and refrigerant gases as well as oxygen. Rely on the 301C for safety, energy efficiency, and easy installation of your gas detection network.

Using an addressable RS-485 communication protocol, the 301C uses daisy chain wiring to connect up to 96 transmitters in three loops. This simplifies installation, in turn lowering costs. The 301C's powerful zoning, voting, and averaging abilities significantly reduce operational and maintenance costs. And what's more, the newly updated 301C cuts commissioning time and hassle.

## Flexible Logic Capabilities Reduce Operational Costs

Choose the 301C as the centerpiece for building a gas detection network compliant with the industry's most demanding safety and energy guidelines, such as California Title 24 Part 6. The 301C controller offers automatic sensor identification and unique zoning capabilities which permit the grouping of multiple sensor readings. Readings from transmitters in a given zone can be evaluated via averaging or voting. For example, voting can be used to activate fans only when one-third of the sensors in a zone report gas. This can avoid an excessive response to a single car idling. Time delays can be configured at the leading edge of a gas response (to prevent false alarms) or on the trailing edge (to reduce power cycling of a fan.) Outlier detection can be used to identify when a single sensor reading is higher than others. Responses can also be made conditional on time of day, day of week, or other external input. This flexibility can precisely match the needs of each installation, thus saving energy and extending equipment life.

## User Friendly

- Zero maintenance
- Automatic quick self-test and warm-up
- Continuous alphanumeric display

## Inexpensive, Reliable and Energy Efficient

- Low installation costs
- Allows for up to 126 zoning groups which can save energy and extend fan and relay life
- Manages up to 180 events with programmable latching alarms
- California Title 24 network option

## Flexible Operation

- BACnet/IP available
- Interchangeable transmitters able to detect different gases
- Expands to handle up to 96 transmitters or relay modules
- Programmable time delays
- Integrated time clock enables scheduling of system operations

## Safety Measures

- Full array of visual indicators and integrated 65dBA alarm levels
- Fully programmable relays (can be set as fail-safe or not)

## Beneficial Options

- Available in a heavy duty industrial housing (model number 96D)
- Datalogging option



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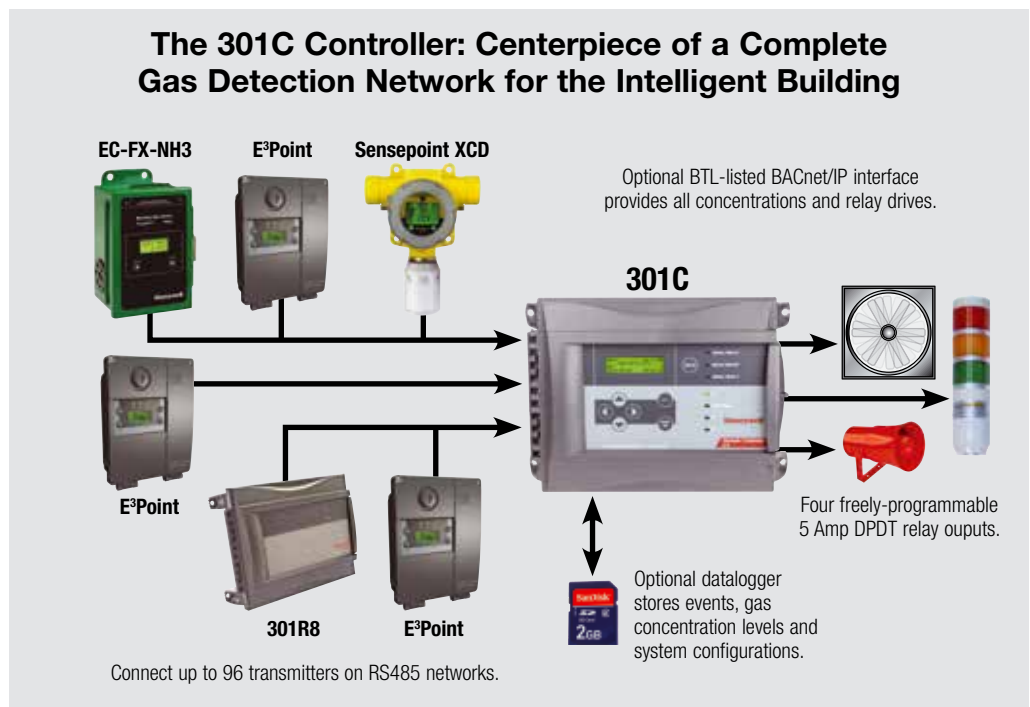
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