



**The complete solution for  
Mechanical Rooms. Monitor up  
to 20 sensors for Refrigerant,  
Toxic and Combustible gases.**

# The 301EM-20 acts as a controller for up to 20 remote sensors and suits a variety of gas detection system solutions for Mechanical Rooms.

Particularly configured to meet ASHRAE 15, B-52 and International Mechanical Code requirements, the 301EM-20 is commonly used to optimize gas detection in mechanical and chiller rooms. A full complement of sensors (including toxic, oxygen, combustible gases and a full line of refrigerant sensors), horns, strobes and remote panels provide added flexibility to suit a variety of gas detection system solutions.

## ASHRAE No 15 Mechanical Standard and B-52 Code Compliance

The ASHRAE and B-52 security standards have been established to minimize risk and protect the safety of mechanical room personnel and the environment at large. Available in a special configuration, the 301EM-20 mechanical room controller has been carefully designed to meet and even exceed these rigorous standards. The 301EM can be configured to offer automatic fan, horn and strobe activation in addition to manual fan activation. Latching relay for manual alarm recognition, silence key for manual horn deactivation, built-in 24 Vdc outputs for horn operation, and 2 breakglass switch accessories for manual alarm activation ensure optimal performance.

## Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

## Contact Honeywell Analytics:

Honeywell Analytics, Inc.  
4005 Matte Blvd., Unit G  
Brossard, QC, Canada  
J4Y 2P4

Tel: 450.619.2450

Toll-free: 800.563.2967

Fax: 888.967.9938

[detectgas@honeywell.com](mailto:detectgas@honeywell.com)

## Technical Services

[haservice@honeywell.com](mailto:haservice@honeywell.com)

[www.honeywell.com](http://www.honeywell.com)



## User Friendly

- Easy to read LCD display
- Auto-diagnostic capabilities

## Economical Solution

- Cost-effective answer for installation in Mechanical Rooms locations

## Flexible Operation

- Able to operate with up to 20 remote sensors at a time
- Various types of sensors available to simultaneously detect a range of different Refrigerant, Toxic and Combustible gases
- Robust and reliable RS-485 Modbus communication

## Output Adaptability

- Three 24 Vdc alarm outputs and four 4-20 mA outputs

## Safety Measures

- Four fully programmable relays
- Three alarm levels with built-in visual indicators and audible alarm

## Beneficial Options

- Convenient stand-alone or network operation

## Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

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# ANSAC

**ANSAC TECHNOLOGY (S) PTE LTD**

35, Marsiling Industrial Estate Road 3,

#02-01 Singapore 739257

T: (65) 6368 0225 F: (65) 6368 8023

E: [sales@ansac-tech.com.sg](mailto:sales@ansac-tech.com.sg) | [www.ansac-tech.com.sg](http://www.ansac-tech.com.sg)

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