

## Gas Detection and Alarms

Corrosive, combustible, and toxic gas detection and alarm systems built-in for ease of inclusion into your next project

*Available for all InPac HVAC and pressurization units*



### Features and Benefits

- Corrosive gas alarms help protect expensive electrical equipment
- Detectors provide the ability to automatically purge the enclosure or building upon detection
- Convenient set-up, calibration and diagnostics
- Can be installed as part of HVAC systems or provided separately for external mounting
- Automatic calibration adjustments and date stamping
- Some models allow sensor replacement without declassifying the hazardous area
- Designed to reject EMI and other forms of interference in order to avoid false gas readings

### Options and Accessories

- Explosion proof and general purpose models available for corrosive and toxic gases
- Stainless steel and polycarbonate models available

### Chemical protection for your building's valuable equipment

Gas alarms are used to detect and alert persons of the presence of corrosive and/or combustible gases including hydrogen sulfide (H<sub>2</sub>S) and sulfur dioxide (SO<sub>2</sub>), nitrogen dioxide (NO<sub>2</sub>), and oxygen (O<sub>2</sub>). The alarms may be used in hazardous areas and can be integrated into Specific Systems HVAC units even in Class I, Div 1, Groups B, C, & D environments. Refineries, pharmaceutical production facilities, textile facilities, and electric power distribution buildings (MCC, etc.) may require use of gas alarms. Applications are available for single or multiple types of gases.

Gas alarms are pre-wired, installed, and are factory calibrated. Once on-site, another calibration may be necessary for individual environments and specifications. Alarms are typically wired to shut down the HVAC and pressurization units and seal off the area from outside air via a damper, and are wired for high level, low level, and fail using Form C contacts allowing remote notification of the alarm. Alarms are capable of non-intrusive calibration via the monitor, allowing the device to remain Class I, Div. 1, Group C & D certified during adjustment.

Alarms use catalytic bead or infrared technology with sensors mounted to meet the customer's requirement. Alarms are available to detect the presence of combustible gases such as hydrogen, carbon-based gases such as methane, and an abundance or shortage of oxygen. Also available are alarm systems for toxic and corrosive gases such as H<sub>2</sub>S, SO<sub>2</sub>, carbon monoxide (CO), and others. Monitors are encased in NEMA 7 and NEMA 4X explosion proof housings and are CE and UL certified.