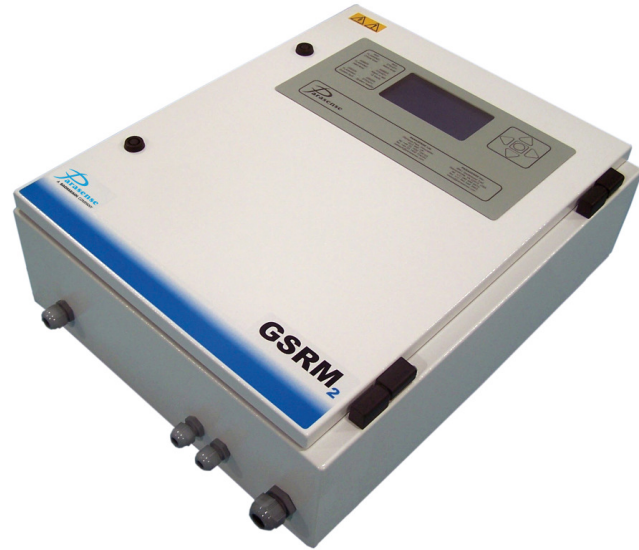


GSRM₂

Network Refrigerant Detector



The GSRM2 is a multi channel gas detection monitor utilizing locally mounted sensors networked via our analogue cluster modules. Our standard configuration allows for up to 16 sensors and multiple gas types.

Product Features

Uses

- Monitoring and response to leakage from various gases including: HCFC, CFC, HFC, HFO, HC, CO₂, CO, O₂, NH₃, H₂S and others on request
- Systems employed in refrigeration, HVAC, process and military environments

Features

- Locally mounted sensor samples air and transmits concentration to an analogue cluster module
- 1 beacon/sounder and 2 relay outputs per sensor are available
- 4 additional beacon/sounder outputs available on main GSRM2
- Continuous logging of samples and response to excursions above alarm thresholds

Product Extensions

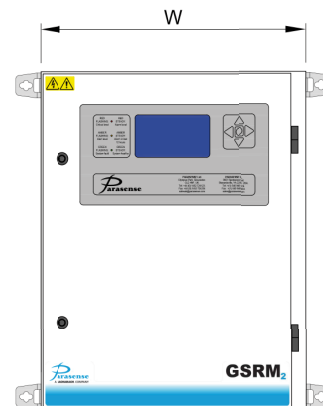
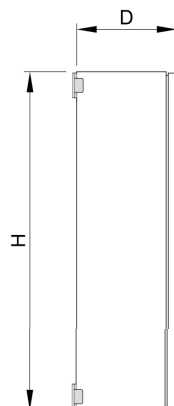
- Remote shut off using cluster outputs
- Remote annunciation
- Automated alarm emails and KPI's (Key Performance Indicator's) using the Parasense Information Centre website
- Cluster I/O configurations available

Certifications

- EN61010-1:2010
- UL61010-1
- CSA C22.2 61010-1
- MET Listing E112074

Product Dimensions

Model	GSRM2-104D2-116
Height	19.7"
Width	15.7"
Depth	5.9"
Weight	33.3lb



Sustainability

Technical Specification

Ethernet

- 10 Base-T RJ45 socket

USB

- USB2.0, Type B socket

Configurable Relays

- Volt free, change-over
- Fault and alarm indication
- Max switching voltage: 250V ac/100V dc
- Max switching current: 10A AC/5A DC/resistive

Display & Operator Control Options

- Traffic lights, LCD status display & navigation keypad
-

Cluster Networks

- RS485 communication
- Network power: 24V dc max 650mA
- Baud rate: 115kbps
- Total number of I/O clusters dependent on application

Digital Inputs

- Input voltage: 0-24V DC
- Logic '0' <2.5V, logic '1' >2.5V

Beacon/Sounder Output

- Max switching voltage: 200V dc
- Max switching current: 0.5A DC (resistive)

Operating Conditions

- Operating temperature: 32°F to 110°F
- Storage temperature: -10°F to 150°F
- Relative humidity: 0 to 95% RH (non condensing)

Power Requirements

- 100/240V, single phase, 100W, 50/60Hz or
- 240/280V, single phase, 100W, 50/60Hz

Overcurrent Protection

- 6A DP MCB

Mains Filter (optional)

- Overvoltage protection

Enclosure Rating

- NEMA 12 / IP54

Sensor Ranges (others available on request)

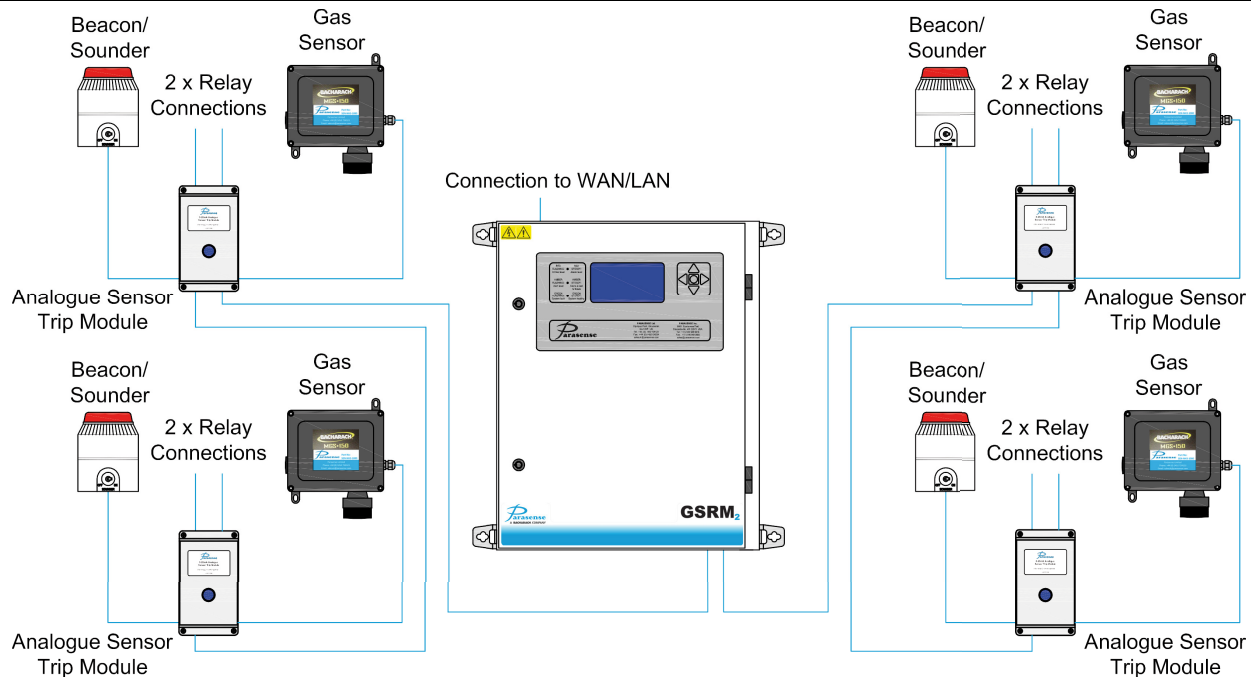
- CO₂: 0-5% volume
- CO : 0-300ppm
- O₂: 0-25%
- HCFC, CFC, HFC, HFO : 0-2000ppm
- Ammonia : 0-1000ppm
- Propane : 0-1.7% volume

Accuracy

- Typically ≤ 5%



GSRM2 Typical Installation



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