



420 MCD GAS DETECTION SYSTEM CONTROLLER



The 420 MCD Multiple Channel Detection controllers are advanced “Early Warning” microprocessor based electronics utilizing SMC technology to monitor a wide range of gases

SenTech’s 420 MCD Controllers are cost effective, self-contained systems offering highly reliable performance with the flexibility to satisfy a wide range of continuous monitoring applications. The 420 MCD features multi-zone detection point capability from a single field-programmable self-contained metal enclosure to power and monitor a variety of 24 Vdc, 4-20 mA oxygen, and toxic or combustible gas sensor/transmitters.

SenTech’s 420 MCD Controllers utilize sensors with long-term stability, excellent selectivity, and multi-zone detection point capability from a single field-programmable self-contained metal enclosure. The 420 MCD multiple channel architecture is available in two, four, and eight sixteen channels, each channel capable of monitoring specific gases via remote transmitters a unique configuration that allows the 420 MCD to be set up as a Multi-Gas monitor for a wide range of gases along with a unique built-in leak wait period feature that minimizes nuisance false alarms.

Sensor/transmitters are available for a wide range of toxic and combustible gas sensor / transmitters. A partial list follows:

O₂, H₂S, CO, Cl₂, HCN, H₂, NO₂, NO, HCl, SO₂, ETO,
O₃, F₂, NH₃, HF, ClO₂, AsH₃, PH₃, SiH₄.

Call for additional information on SenTech’s Multiple Channel Detection monitors



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FEATURES

- Multiple channels (2, 4, 8, zones)
- Multiple channel architecture allows combined multiple gas detection configurations
- Four line digital display w/ keypad for programming and operation
- Three alarm levels (Four 5 amp contacts per relay)
- Visual and audio indication of alarm levels and system malfunction
- Separate programmable horn alarm relay
- Setup function and keypad access password protected to prevent tampering
- 0-10 vdc analog output
- Optional Nema 4 enclosure with keyed lock
- Optional individual zone alarm output to indicate alarm in each zone
- Optional four channel analog input for multiple channel detection operation
- Optional serial data output (RS 485 or RS 232)
- Optional remote control interface

420 MCD CONTROLLER w/ Available Remote Sensor/Transmitters for:

O₂, H₂S, CO, Cl₂, HCN, H₂, NO₂, NO, HCl, SO₂, ETO, O₃, F₂, NH₃, HF, ClO₂, AsH₃, PH₃, SiH₄.

ACCESSORIES

- Calibration gas kit

SPECIFICATIONS

Sensitivity

(Sensor Specific)

Weight

32 lbs, (14.4 Kgs)

Dimensions

W 10in x H 12.5in x D 4.75in
(25.4cm x 31.2cm x 12cm)

Power Requirements

120/240 Volt 50/60 Hz

Range

(Sensor Specific)

Humidity Range

5 to 90% RH typical

Alarm Trip Points

Low Alarm 0 to 100% of Full Scale
Main Alarm 0 to 100% of Full Scale
High Alarm 0 to 100% of Full Scale

Operating Environmental Range

32° - 125° Fahrenheit
0° - 50° Celsius

Alarm Outputs

Indicator Light
Alarm Relays with 4 Form C contacts
(5 amps maximum)
RS 485 or RS 232 interface

Pressure Range

Atmospheric +/-10%

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