



ATTENTION !

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| Safety Manager | Project Engineer | Production Manager |
| Cellar Manager | Plant Manager | Warehouse/Storage Manager |

PolyGard CELLAR ALARM (CO2 / O2):

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| <p>PolyGard IR CO2 Transmitter (remote) 4-20 mA, 24 VDC, 3 wire, IP 54 or IP 65 with splash guard</p> | <p>PolyGard StandAlone GasAlarm Controller with remote or integral CO2 sensor (upto 24 channels)</p> |

Description:

MSR Germany PolyGard CO2 CELLAR ALARM consist of remotely mounted Infra- Red based CO2 Transmitter with Stand Alone wall mounted Single Point Controller. The PolyGard Single Point Controller comes with integral 4 x relays to actuate ventilation fans or A-V Alarms or shut-off valves (Lo, Hi, system fail. Sensor fail)

Toxicity of CO2:

- TWA: 5,000 PPM CO2 (9000 mg/m3) 8 hour shift, (STEL: 30,000 PPM CO2)
- Special Safety: Gas Alarm for CO2 / oxygen deficiency alarm
- Effects: Rapid suffocation, nausea, dizziness & headache
- First Aid: Remove to fresh air – give artificial respiration if not breathing – give oxygen if breathing difficulty is observed

Applications/Benefits:

- Safety for personnel to enter or work in the cellar room or room where Carbon Dioxide is Stored
- Safety for personnel to enter or work in: Fermentation rooms, CO2 filling rooms (beverage industries), Laboratories and hospital, warehouse storage areas dealing or storing CO2, Sick building syndrome, Sewer areas, demand control ventilation application

Specifications:

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| Range: 0-2,000 ppm CO2 (other ranges also available e.g 0-10,000 PPM) | Other gas types: Refrigerant sensors, Ammonia, CO, Hydrocarbon (Ex), O2, NO, NO2, Cl2, H2S etc |
| Non-Display IP 54 or IP 65 CO2 Transmitter | CO2 IR Enclosure: IP 65/54 (Controller IP 54/55) |
| Controller Input: 4 – 20 mA (for CO2: 0-10 VDC or any other transmitter) | Power: 24 V AC/DC(240 VAC with plug pack) |
| Controller comes with display, keypad, relays for A-V alarms | Controller output: 4 x relays, 1 fault relay, 3 x digital inputs, 2 x analogue outputs (4-20mA0) |

- Also available portable CO2, Oxygen Detectors and 4-Gas Confined space monitor/alarm