



### ATTENTION !

<b>Safety Manager</b>	<b>Project Engineer</b>	<b>Refrigeration Engineer</b>
<b>Production Manager</b>	<b>Plant Manager</b>	<b>Warehouse/Storage Manager</b>

### PolyGard CHILLER ALARM (CO2 Refrigerant Gas Leak Monitor):

	
<p><b>PolyGard IR CO2 Transmitter (remote)</b> 4-20 mA, 24 VDC, 3 wire, IP 50 or IP 65 with splash guard</p>	<p><b>PolyGard StandAlone GasAlarm Controller</b> with remote or integral CO2 sensor (upto 32 channels)</p>

#### Description:

MSR Germany PolyGard CO2 CHILLER ALARM consist of remotely mounted Infra- Red based CO2 Transmitter (without display) 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). It meets the requirements under **AS/NZS 1677 Refrigeration Standards**

#### 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 Chillers 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 application and **REFRIGERANT CO2 Gas Leaks**

#### Specifications:

<b>Range:</b> 0-2,000 ppm CO2 (other ranges possible) Temp: 0 – 40 Deg. C (- 25 C (with built in heater)	<b>Other gas types:</b> Refrigerant sensors, Ammonia, CO, Hydrocarbon (Ex), O2, NO, NO2, Cl2, H2S etc
IP 50 or IP 65 CO2 Transmitter	<b>CO2 IR Enclosure:</b> IP 65/IP 50 (Controller IP 65)
<b>Controller Input:</b> 0-10 VDC / 4– 0 mA (for CO2 or any other transmitter)	<b>Power:</b> 24 V AC/DC(240 VAC with plug pack)
Controller comes with display, keypad, relays for A-V alarms, system fault relay	<b>Controller output:</b> 4 x relays, 1 x fault relay, 2 x 4-20 mA output