



Features:

- Fully electronic system with solid state circuitry and built-in sensor.
- Compact corrosion resistant gasketed enclosure.
- Two adjustable operating levels (Warning & Alarm) with visual indicators.
- Suitable for ventilation control.
- Audible alarm on "ALARM LEVEL".
- High sensitivity and stability.

The demand for oxygen monitoring has been increasing in various fields, such as combustion gas monitoring, the bio-chemical field, the medical field and domestic combustion appliances.

The ACME O2-EL detection unit is designed to detect oxygen deficiency in ambient air. Once it detects oxygen levels below normal threshold settings it demands ventilation and/or signals an audible alarm.

The ACME O2-EL oxygen deficiency detection unit uses an electrochemical cell type sensor.

There are two operating levels in the O2-EL. At the "WARNING" level the unit will activate a SPDT relay contact. At the "ALARM" level it will activate another SPDT relay contact and will also bring on an audible alarm. The unit has an internal temperature compensation circuit. Built-in time delays on both the ON or OFF relay operations avoid nuisance start-stops of fans or alarms. Because of a possibly long storage time before it is initially energized, allow one week for the unit to reach optimum operating conditions. If the unit was de-energized for a couple of days, the time required to have the unit back in normal operation is only a few minutes.

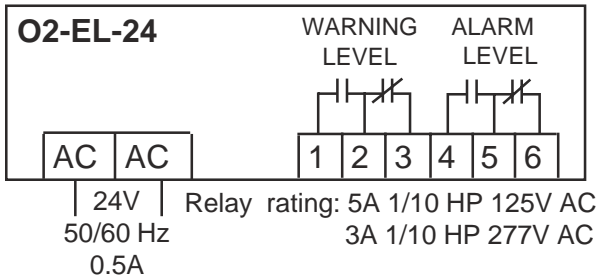
UniSet E1 CO Detector

Cat. No.: 01-01E1R

Size: 6" H x 6" W x 4" D (152 mm x 152 mm x 110 mm)
 Ambient Temp.: 40-100°F (15°C-40°C)
 Range: 0-25% O₂
 Accuracy: ± 1%
 Power: 24V AC (Optional 120V/220V) 50/60Hz.
 Standard Unit Calibration:
 WARNING LEVEL: 20% O₂
 ALARM LEVEL: 15% O₂

Typical Wiring Diagram

Wiring Diagram



Typical Specifications

Supply, install and connect at locations shown on drawings ACME OXYGEN DEFICIENCY DETECTION UNIT model O2-EL. Units shall be fully electronic incorporating solid state circuitry, factory calibrated at WARNING and ALARM levels. Provide SPDT control relay contacts for each level. Each unit shall include visual indicators for POWER ON and operating status. ALARM level shall activate an integral audible alarm. Unit enclosure shall be gasketed, made of corrosion resistant material.

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The information provided by this bulletin is a general description of ACME UNITS. All specifications are subject to change without notice. Installation, maintenance and other instructions provided with the equipment shall be closely followed by installers, owners and users.