

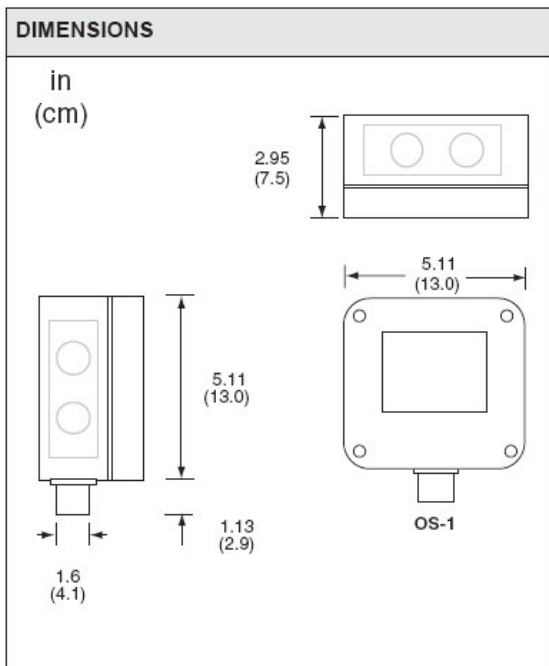
## OXYGEN SENSOR MODEL OS-1

### DESCRIPTION

The **Model OS-1** is a dependable, economical oxygen sensor designed to monitor oxygen levels in ambient air. It has a jumper-selectable analog output for interfacing with a BAS controller and an SPDT relay output to activate an alarm in the event of oxygen depletion due to a refrigerant leak. The units are powered by 24 VAC/VDC and are housed in a rugged polystyrene enclosure for dust and moisture protection.

### FEATURES

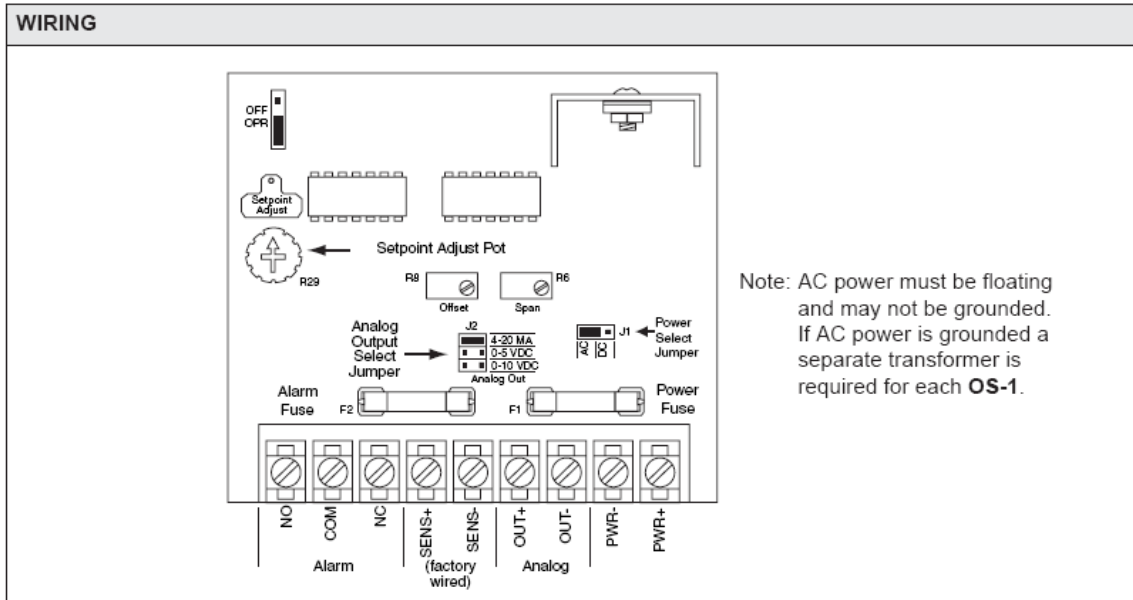
- 4-20 mA, 0-5 VDC, or 0-10 VDC output, jumper selectable
- SPDT alarm relay
- 24 VAC/VDC power
- 0% to 25% range
- Rugged polystyrene enclosure



SPECIFICATIONS	
<b>Power</b>	24 VAC/VDC @ 0.25A
<b>Analog output (jumper selectable)</b>	4-20 mA (300Ω max) 0-5 VDC (20 kΩ min) 0-10 VDC (20 kΩ min) 0% to 25% oxygen
<b>Relay output</b>	SPDT 24 VAC/VDC @ 0.5A, factory set @ 19.5%
<b>Response time</b>	Approx 12 sec
<b>Element type</b>	Galvanic cell
<b>Element life</b>	Approx five years @ 20°C in ambient air
<b>Accuracy</b>	±1%
<b>Operating temp</b>	40° to 104°F (5° to 40°C)
<b>Operating humidity</b>	10% to 95% noncondensing
<b>Storage temp</b>	-4° to 140°F (-20° to 60°C)
<b>Weight</b>	1 lb (0.45 kg)

POB 1778 Greer, SC 29652  
414 West Poinsett Street Greer, SC 29650  
mtrask@bellsouth.net

# MODEL OS-1



**INSTALLATION**

The OS-1 is suitable for indoor use only. Mount the unit as close to the source of potential refrigerant leaks as possible. Some recommended considerations are as follows:

1. Mount the unit with the sensor pointing down.
2. Mount the unit in a location with low vibration. Strong vibration may cause a change in the condition of the internal membrane.
3. The sensor should be mounted 3' to 5' (0.9 to 1.5m) from the floor in equipment rooms or 1' (0.3m) above the floor in refrigeration pits.
4. The OS-1 should cover about 1000-1500 square feet with adequate air movement.
5. Mount at least 5' (1.5m) from the exhaust fan.
6. Verify operation yearly.

Note: Make all connections in accordance with national and local codes.

**CAUTION: Not to be used as a life safety device.**

**ORDERING INFORMATION**

MODEL	DESCRIPTION
OS-1	Oxygen Sensor, 0% to 25% Range
<b>RELATED PRODUCTS</b>	
LPI-1C	Black LCD display
LPI-1CR	Red digital display

POB 1778 Greer, SC 29652  
 414 West Poinsett Street Greer, SC 29650  
 mtrask@bellsouth.net

Ph: 864-848-3993

[www.traskinstrumentation.com](http://www.traskinstrumentation.com)

Fax: 864-848-9569