



Model: _____ Item #: _____ Date: _____
Project: _____ Qty: _____ Approved By: _____

Multi-Gas Safety Monitor System

MASTER^{TAP}



Standard Features

- Multi-point, multi-gas distributed monitoring system
- High quality digital display on Central Display Module allows for remote operation and control
- Includes audible & visual alarms to alert when CO₂ leak is detected
- Two built-in relays that can be set to activate fans or gas shut-off on alarm set points, system faults and power outages
- Sensors can be retro fitted if a change is needed
- Option of having quick connect or hard wired installation
- Configure 4 alarms per sensor, to a maximum of 8 alarms per system
- Alarm warnings presented with high-visibility strobe lights and high-volume sounders
- Meets all state and local fire/building codes
- 5 year warranty on electronics and CO₂ Sensor
- Time weighted average alarm
- Optional data output module available

Full Kit

Model	Description
KLD-GM	Multi-Gas Safety Monitor System

- Includes Central Display Module, Sensor Module, Alarm Module, power supply with adapters, cables, couplers and warning graphics



KLD-GM

Individual Modules

Model	Description
KLD-SU	Sensor Module, includes cable
KLD-BS	Alarm Module, includes cable
KLD-DM	Data Output Module, includes cable
KLD-PK	Sensor Protector Kit (module not included)



KLD-SU



KLD-BS



KLD-DM



KLD-PK



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Central Display Module	
Display	LCD dot matrix (backlit)
Relays	2 x high powered configurable relays, rated for 250V AC / 30V DC, 3A max
IP Rating	IP54
Maximum Power Consumption	< 24 W
Power Supply Accepts Input from	100 - 240V ~ 1.5A
Dimensions	6-15/16"W x 4"H x 2-5/8"D



KLD-BS

Alarm Module	
Strobe	White LED strobe > 100 cd
Sounder	min 80 dBA @ 9.8 ft.
IP Rating	IP55
Dimensions	3"W x 5-1/8"H x 1-3/4"D



KLD-SU

Sensor Module	CO2 Sensor	O2 Sensor
Gas Detected	Carbon Dioxide	Oxygen
Measurement Technique	Infrared	Electrochemical cell
Range	0.1% - 5%	0.1% to 25%
Default Alarm Set-Points	0.5% (8 hr TWA), 1.5%, 3%	18% (low), 19.5% (low), 25% (high)
IP Rating	IP55	IP55
Warm Up Time	40 Seconds	60 Minutes
Response Time	(T90) < 30 seconds	(T90) < 30 seconds
Dimensions	3"W x 5-1/8"H x 1-3/4"D	3"W x 5-1/8"H x 1-3/4"D



KLD-DM

Data Output Module	4-20mA	MODBUS
Channel of communication	4 (1 per sensor)	1 over RS 485
Dimensions are as per alarm	Sensor measured variable CO2 or O2	All variables, alarm status and faults

System Specification

Warm Up Time	40 seconds
Operating Temperature Range	23°F - 122°F
Warranty	5 year electronics and CO2 Sensor