

SEC 2000 DIN Digital Gas Controller

Features

- *DIN rail or panel mounted controller*
- *LED display*
- *Compact and low cost*
- *Self-check system*
- *4-20 mA output*
- *Isolated RS-485 interface*
- *Alarm and fault relays*
- *Non-intrusive pushbutton calibration*
- *Compatible with SEC 3000 and SEC Millenium Gas Detectors*

Applications

- *Petrochemical Refineries*
- *Compost Facilities*
- *Semi-Conductor Industry*
- *Mining*
- *Pulp and Paper Mills*
- *Oil Rig Platforms*
- *Buildings*
- *Automotive Industry*
- *Engine Test Rooms*
- *LNG & LPG Facilities*
- *Sewage Industry*
- *Water Treatment Plants*
- *Parking Garages*
- *Chemical Industry*
- *Nuclear Industry*
- *Fertilizer Industry*
- *Tunnels*
- *Medical Facilities*

Operation

The SEC 2000 DIN provides interface capabilities for the SEC3000 Toxic & Oxygen Gas Detector and SEC Millenium Infrared Gas Detectors.

The SEC 2000 DIN features:

- Segmented LED display for Gas Level/Unit Parameter display
- Four (4) configurable Alarm/Fault Relays
- An isolated RS485 interface provides reliable communication in noisy environments and eliminates "Ground Loop" problems.
- Pushbutton switch for local configuration and calibration
- Analog 4-20 mA output
- Detachable connectors facilitate quick and easy field-wiring installation.

SPECIFICATIONS

Operating Voltage

18-32 VDC

Operating Current (No Sensor)

125mA Max @ 24VDC

Power Consumption (SEC 2000 DIN & Sensor)

Toxic Gases and oxygen (SEC 3000) – 4W Max

Combustible & CO2 (SEC Millenium) – 9W Max

Output (digital)

RS-485 isolated

Output (analog)

4-20 mA (source type), max. 1000 ohm load at 24 VDC supply voltage

Output (relays)

(3) Alarm and (1) Fault

Display

Four (4) 7 Segment LED

Four (4) LEDs for relay indication

Gas Sensor Compatibility

Toxic Gases – SEC 3000

Combustible & CO2 – SEC Millenium

Detection Method

Toxic Gases – Electrochemical

Combustible & CO2 – Infrared

Humidity

0-99% RH (Non-condensing)

Temperature Rating

-40° to + 70°C

Housing Construction

ABS Plastic (Enclosure color gray)

Housing Dimensions

3.54 (W) x 4.17 (L) x 2.28 (H) inches

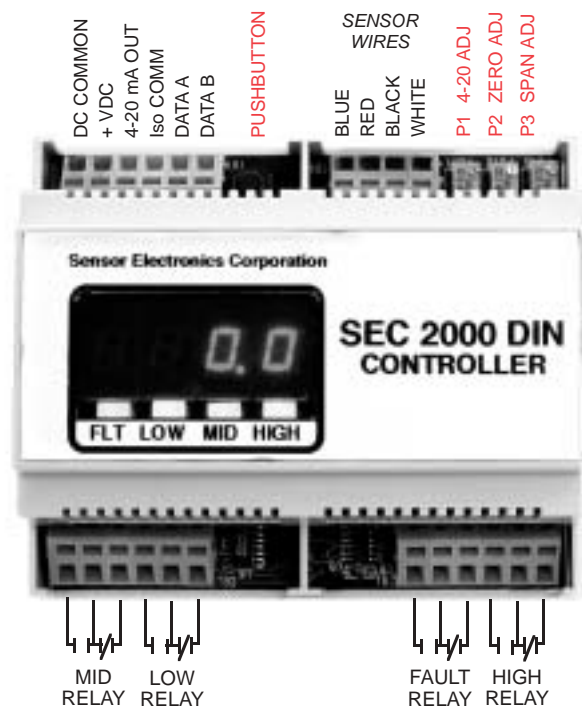
{90 (W) x 106 (L) x 58 (H) mm}

Weight

Approximately 2 lbs. {0.9 Kg.}

Partial Gas List

Oxygen	(O2)	Carbon Monoxide	(CO)
Hydrogen	(H2)	Germane	(GeH4)
Ammonia	(NH3)	Silane	(SiH4)
Nitric Oxide	(NO)	Phosphine	(PH3)
Bromine	(Br2)	Sulfur Dioxide	(SO2)
Fluorine	(F2)	Nitrogen Dioxide	(NO2)
Arsine	(AsH3)	Chlorine Dioxide	(ClO2)
Ozone	(O3)	Hydrogen Sulfide	(H2S)
Chlorine	(Cl2)	Hydrogen Fluoride	(HF)
Phosgene	(COCl2)	Hydrogen Chloride	(HCl)
Diborane	(B2H6)	Hydrogen Cyanide	(HCN)
Formaldehyde	(HCHO)	Hydrogen Selenide	(H2Se)
Ethylene Oxide	(ETO)	Hydrogen Peroxide	(H2O2)
Combustible	(HC)	Carbon Dioxide	(CO2)



Sensor Electronics Corporation

5500 Lincoln Drive, Minneapolis, Minnesota 55436 U.S.A.

(800) 285-3651 • (952) 938-9486 • FAX: (952) 938-9617

www.sensorelectronic.com • sensor@minn.net