

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

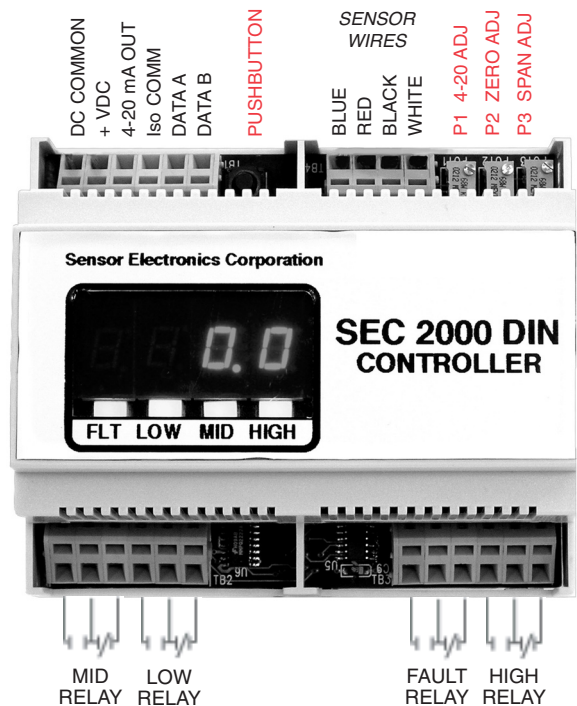
Housing Construction
ABS Plastic (Enclosure color gray)

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

12730 Creek View Avenue, Savage, MN 55378 U.S.A. • (800) 285-3651 • (952) 938-9486 • FAX: (952) 938-9617
www.sensorelectronic.com • sales@sensorelectronic.com