

SBS-C3H8 Propane Gas Detector

Complete Propane Detection System



The SBS-C3H8 Propane Detector is a propane detection system with visual and audible alarms and 25%LEL and 50%LEL propane relays.

The system comes complete with the main control, a highly accurate propane gas sensor and a 25 ft. cable. This unit can be powered with AC and/or DC power and can be mounted directly to a wall or to an electrical box, making it extremely versatile and very user-friendly.

The SBS-C3H8 includes relays for remote connection to alarm/monitoring systems and for control of external relays or an exhaust fan.

Benefits

- Protects life, property and company profits
- Ideal for remote locations
- Fail safe mode in event of loss of power
- Up to three (3) sensors can be installed to main control to meet space coverage requirements

Includes

- Main control
- Propane sensor
- 25 ft. cable

Applications

- Businesses
- Warehouses (heating)
- Hospitals
- Restaurants
- Food preparation
- Propane fueled forklifts
- Propane fueled vehicles
- Agriculture / livestock
- Homes
- Gas fireplaces
- Propane fueled back-up power systems

Features

- Universal power inputs: 110/220 Vac and/or 12-48 Vdc input
- Strobe light for visual alerts
- Sensor status indicator LEDs on the main control
- Modular design for optimal placement of sensor(s)
- NRTL/C Certified: UL Std. No. 61010-1
- CAN/CSA-C22.2 No. 61010-1-12



Installation

- Wall or 2-gang junction box mountable
- Mechanical relays are easily accessible:
 - Warning 25% relay, 15 A @ 120 Vac; 10 A @ 277 Vac; 10 A @ 28 Vdc
 - Alarm 50% relay, 0.5 A resistive @ 28 Vdc, 0.5 A @ 125 Vac
- Redundant power supply capability; dual AC and/or DC power supply connections (DC power supply will operate as backup power source)
- Indicator LEDs can be tested by pushing the red "TEST" button
- Sensors can be tested in the field with the P/N C3H8-TESTKIT

Main Control Mounting and Power Options



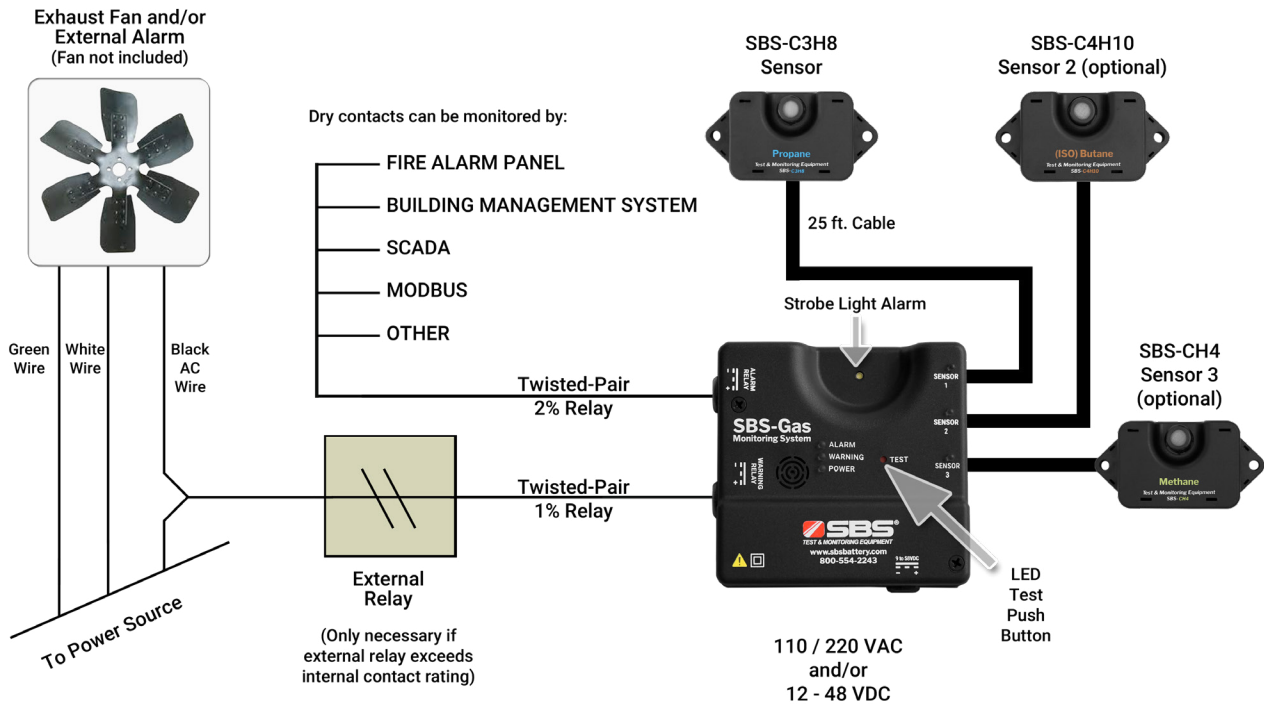
Wall-mountable



2-Gang Junction Box
Hardwired AC and/or DC
(optional)



18 AWG AC Cord (optional)



Warning Settings: Should the concentration of propane gas in the air surrounding the sensor reach 25%LEL by volume, the "25%LEL Warning" yellow LED will light up on the main control of the unit. In addition, the 25%LEL internal relay will energize and can be used to activate an external exhaust fan.

Alarm Settings: Should the propane gas concentration reach 50%LEL by volume, the "50% Alarm" red LED will light up, the strobe will flash and an audible alarm will sound. In addition, the 50%LEL internal relay will energize and can be used to activate a building management/alarm system (via SCADA/Modbus).

Ordering Information

| Part No. | Description |
|----------|---|
| SBS-C3H8 | Propane detector with (1) sensor and 25 ft. cable |

Accessory Ordering Information

| Part No. | Description |
|-------------------|--|
| C3H8-SENSOR-25FT | Additional propane sensor with 25 ft. cable |
| C3H8-SENSOR-50FT | Additional propane sensor with 50 ft. cable |
| C3H8-SENSOR-100FT | Additional propane sensor with 100 ft. cable |
| C3H8-TESTKIT | Test kit (includes 25%LEL and 50%LEL propane, regulator, tubing and case) Note: cannot ship via air freight |
| C3H8-JB | 4 11/16" x 4 11/16" 2-gang junction box |
| E190399 | AC Cord 110 V, 10 A, 10 ft. with plug |

Specifications

| | |
|----------------|---|
| 25%LEL Propane | Dry contacts rated 10A/250 Vac |
| 50%LEL Propane | Dry contacts rated 0.5A/28 Vdc |
| Power source | 110/220 Vac, 50/60 Hz and/or 12-48 Vdc (9-58 Vdc operating voltage) |
| Temperature | Sensor rating of -4° F to 176° F (-20° C to 80° C) |
| Size | 4.7" L x 4.7" W x 1.2" D (main control) |

Available Accessories



Test Kit (international orders ship without compressed gas)



Additional Propane Sensor with 25 ft., 50 ft. or 100 ft. Cable



2-Gang Junction Box (Hardwired AC and/or DC)