

# SBS-H2 Hydrogen Gas Detector

## Complete Hydrogen Monitoring System

35 Vantage Point Drive // Rochester, NY 14624 // Call 1.800.800.5001



### Includes

- Main body/display
- Hydrogen sensor
- 25 ft. cable

### Applications

- Substations
- Battery rooms
- Uninterruptible power supply (UPS)
- Battery cabinet systems
- Battery charging areas
- Hydrogen fueled back-up power systems

### Available Accessories



Test Kit



Additional Hydrogen Sensor/25 ft. Cable  
(Optional 50 ft. and 100 ft. Cables)



2-Gang Junction Box  
(Hardwired AC or DC)

The SBS-H2 Hydrogen Detector is a complete hydrogen monitoring system with visual and audible alarms.

The system comes complete with the main display, a highly accurate hydrogen gas sensor and a 25 ft. cable. This unit can be powered with either AC 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-H2 includes relays for remote connection to alarm/monitoring systems and for control of external relays or an exhaust fan.

### Benefits

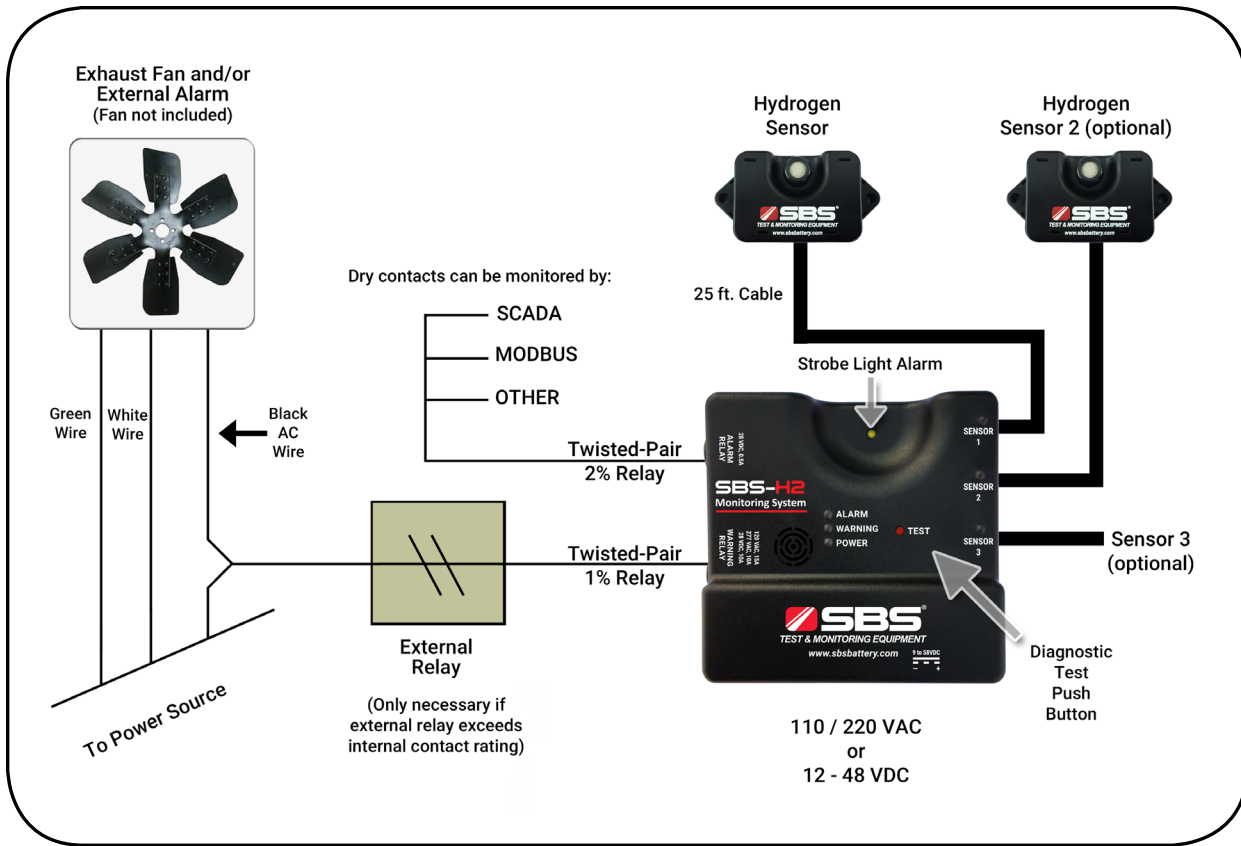
- Dual AC or DC power supply connections
- Ideal for remote locations
- Provides coverage redundancy in large monitoring spaces (up to 3 sensors)
- Strobe light for visual alerts
- Sensor LEDs indicate which sensor is detecting hydrogen
- If loss of power, system will open 1% relay
- Protects life, property and company profits
- Modular design detector does not require complete replacement for repairs

### Features

- Universal power inputs: 110/220 Vac and/or 12 – 48 Vdc input
- Push button diagnostic test
- Audible and visual alarms
- Sensor has a temperature rating of -4° F to 176° F
- Can operate in a wide range of temperatures and humidity

### Installation

- Wall or 2-gang junction box mountable
- Mechanical relays are easily accessible:
  - Warning 1% relay, 15A @ 120VAC; 10A @ 277VAC; 10A @ 28VDC
  - Alarm 2% relay 0.5A resistive @ 28VDC
- Redundant power supply capability (DC power supply will operate as backup power source)
- SBS-H2 display allows for 3 sensor inputs to increase coverage area
- Indicator LEDs can be tested by pushing the red "TEST" button
- Sensors can be tested in the field with the P/N H2-TESTKIT option



**Warning Settings:** When 1% hydrogen is present in the air the yellow warning light will come on and the warning relay contact will close allowing power to peripherals, such as a vent fan or other devices. The corresponding sensor's LED will flash indicating which sensor detected H<sub>2</sub>.

**Alarm Settings:** When at least 2% hydrogen is present in the air the red warning light will come on and an audible alarm and strobe activate with corresponding Sensor LED. In addition, a second alarm relay contact will close, which can be used to shut down the system or notify a building alarm system or other devices.

**Ordering Information**

Part No.	Description
SBS-H2	Hydrogen Detector Package

**Accessory Ordering Information**

Part No.	Description
H2-SENSOR-25FT	Additional hydrogen sensor with 25 ft. cable
H2-SENSOR-50FT	Additional hydrogen sensor with 50 ft. cable
H2-SENSOR-100FT	Additional hydrogen sensor with 100 ft. cable
H2-TESTKIT	Test kit (includes 1% & 2% hydrogen, regulator, tubing and case) <b>Note: cannot ship via air freight!</b>
H2-JB	4 11/16" x 4 11/16" 2-gang junction box
E190399	AC Cord 110V, 10A, 10 ft. with plug

**Specifications**

1% Hydrogen	Energizes a relay which can activate exhaust fan or SCADA system/alarm
2% Hydrogen	Sounds audible and visual alarms energizing relay which can be used on SCADA system
Power source	110 / 220 Vac, 50/60 Hz <b>OR</b> 12-48 Vdc (9-58 Vdc operating voltage)
Size	4.7" L x 4.7" W x 1.2" D (main body/display)

**Main Body/Display:**

**Mounting and Power Options**



Wall-mountable

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



18 AWG AC Cord Recommended (optional)