

SBS-H2 Hydrogen Gas Detector

Complete Hydrogen Monitoring System for Your Battery Room



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.

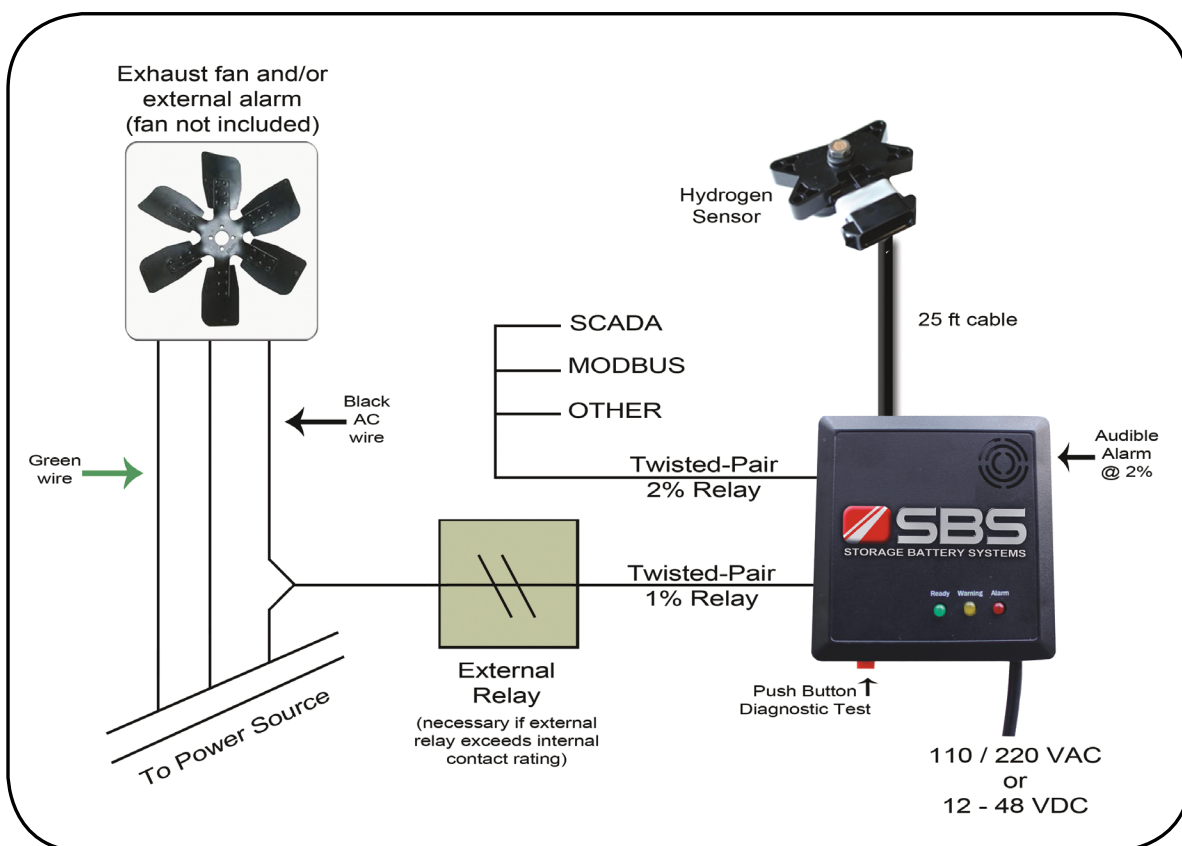
The SBS-H2 includes relays for remote connection to alarm/monitoring systems and for control of external relays or an exhaust fan.

Features

- Universal power inputs: 110/220 Vac or 12–48 Vdc input
- Wall or 2–gang junction box mountable
- Mechanical relays are easily accessible:
 - Max Switching voltage 28 Vdc, 277 Vac
 - Rated Current 10A @ 277 Vac, 15A @ 125 Vac
- Push button diagnostic test
- Hydrogen sensor is UL Class 1 Division 2, ATEX, and CE certified for hazardous locations
- Sensor has a temperature rating of –4°F to 176°F
- Can operate in a wide range of temperatures and humidity
- Ideal for remote locations
- Audible alarm
- Protects life, property and company profits

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.

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



Main Body/Display: Mounting and Power Options

Wall-mountable



Mounts directly to wall

Hardwired (AC or DC)



Mounts to a standard, 2-gang junction box
(junction box not included)

AC Cord (not included)



18 AWG AC cord
recommended



Main body/display



Hydrogen sensor and 25 ft cable

SBS-H2 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

Ordering Information

Part No.	Description
SBS-H2	Hydrogen Detector Package

Accessory Ordering Information

Part No.	Description
H2-SENSOR	Additional hydrogen sensor with 25 ft cable
H2-CALKIT	Calibration kit
H2-JB	4 11/16" x 4 11/16" 2-gang junction box
H2-100FT-CABLE	100 ft cable (no hydrogen sensor)

Specifications

1% Hydrogen	Energizes a relay which activates exhaust fan or SCADA system/alarm
2% Hydrogen	Sounds audible alarm and energizes relay which can be used on SCADA system
Power source	110 / 220 Vac, 50/60 Hz OR 12-48 Vdc (9-60 Vdc operating voltage)
Size	4.75" L x 5.25" W x 1.4" D (main body/display)