



SBS-H2-DoD Hydrogen Gas Detector

Complete Hydrogen Detection System

FEATURES

- Visual warning alarm sounds should the concentration of hydrogen gas reach 0.5%, 15 A @ 120 Vac; 10 A @ 277 Vac; 10 A @ 28 Vdc
- Audible and visual alarm deploys should the concentration of hydrogen gas reach 1%, 0.5 A resistive @ 28 Vdc, 0.5 A @ 125 Vac
- Up to 400 sq. ft. of coverage per sensor. One main control with 3 sensors offer up to 1200 sq. ft. of total coverage
- Power and mounting options make it extremely versatile and very user-friendly
- Includes relays for remote connection to alarm/monitoring systems of external relays or an exhaust fan
- 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
- UFC 3-520-05, January 2020

INSTALLATION

- Wall or 2-gang junction box mountable
- Mechanical relays are easily accessible
- 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 H2-DoD-TESTKIT

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

MAIN CONTROL MOUNTING AND POWER OPTIONS



Wall-mountable



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



18 AWG AC Cord
(optional)

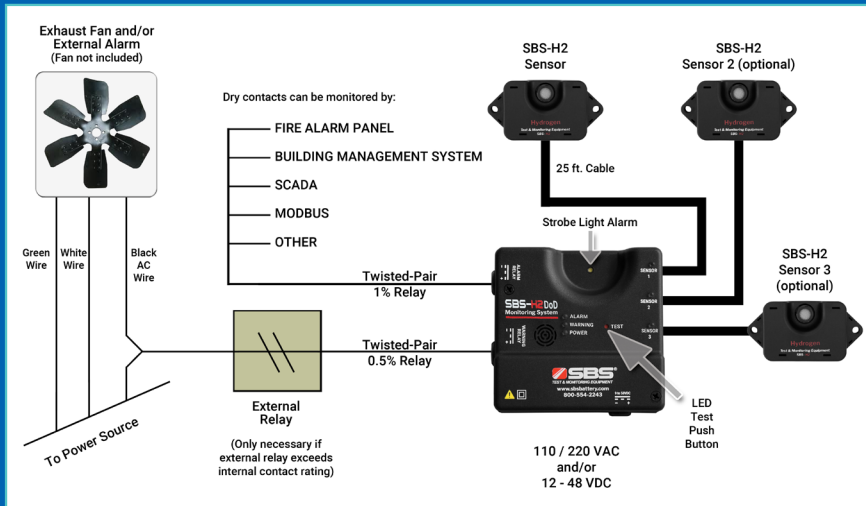


Includes:

- Main control
- Hydrogen sensor
- 25 ft. cable

APPLICATIONS

- Substations
- Battery rooms
- Uninterruptible power supply (UPS)
- Battery cabinet systems
- Battery charging areas



WARNING SETTINGS:

Should the concentration of hydrogen gas in the air surrounding the sensor reach 0.5% by volume, the "0.5% Warning" yellow LED will light up on the main control of the unit. In addition, the 0.5% internal relay will energize and can be used to activate an external exhaust fan or a building management/alarm system (via SCADA Modbus).

ALARM SETTINGS:

Should the concentration of hydrogen gas reach 1% by volume, the "1% Alarm" red LED will light up, the strobe will flash and an audible alarm will sound. In addition, the 1% internal relay will energize and can be used to activate a building management/alarm system (via SCADA/Modbus).

SPECIFICATIONS

0.5% Hydrogen	Dry contacts rated 10A/250 Vac
1% Hydrogen	Dry contacts rated .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)

ORDERING INFORMATION

Part No.	Description
SBS-H2-DoD	Hydrogen detector with (1) sensor and 25 ft. cable

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-DoD-TESTKIT	Test kit (includes 1% and 2% hydrogen, regulator, tubing and case) Note: cannot ship via air freight
H2-JB	4 11/16" x 4 11/16" 2-gang junction box
E190399	AC Cord 110 V, 10 A, 10 ft. with plug

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)