RESET-SILENCE SWITCH BOXES

Key Features

- Stainless steel 22 mm momentary pushbutton switch
- LED ring backlit for high visibility
- IP66/NEMA 4 weatherproof design for outdoors or washdown environments
- 24 VDC rated (provided by GG-6 control panel)
- 1.5 Amp normally open contacts
- Circuit board with terminal block for wire landings
- Mounting flanges for wall mounting
- Solution for Compressor Room ventilation remote reset application
- Silence switch allows operators to silence horns if desired
- 2-year warranty

High-visibility remote Reset and Silence switches for gas detection systems.

The S1, R1, and SR1 switches allow the GG-6 control panel to be located outside of the compressor room with the Reset and Silence switches located inside the compressor room for easy access. A Silence switch can also be located outside of the compressor room.

The switches are connected to the GG-6 controller via three wires for the reset switch and four wires for the silence/reset, and has wire terminals on the circuit board for optional switch lighting. These switches can be used in other controller applications such as PLCs and interlock panels.

The switches are housed in a durable polycarbonate enclosure able to withstand weather and washdown environments for indoor or outdoor mounting applications. A terminal block for wire landings, and mounting flanges are also included for easy installation.

SPECIFICATIONS

Due to ongoing research and product improvement, specifications are subject to change

ENCLOSURE: Polycarbonate, IP66/NEMA 4

OPERATING TEMPERATURE: -40°F to +150°F

MOUNTING PLATE: Anodized aluminum

CONTACTS: (2) NO

ACTUATOR: Momentary

MECHANICAL DURABILITY: 300,000 cycles

ILLUMINATION: LED ring, white

CURRENT RATING: 1.5A (24 VDC)

DIMENSIONS: 5.1" high x 4.2" wide x 4" deep

Configurations

All pushbutton switches are pre-installed and wired in their enclosures

Order #:

SB-R1 — GG-6 Reset pushbutton switchbox, LED, momentary, NEMA 4 enclosure

SB-S1 — GG-6 Silence pushbutton switchbox, LED, momentary, NEMA 4 enclosure

SB-SR1 — GG-6 Silence and Reset pushbutton switchbox, LED, momentary, NEMA 4 enclosure

CALIBRATION TECHNOLOGIES INC.
GAS DETECTION SPECIALISTS

ANSI / IIAR 2-2014:
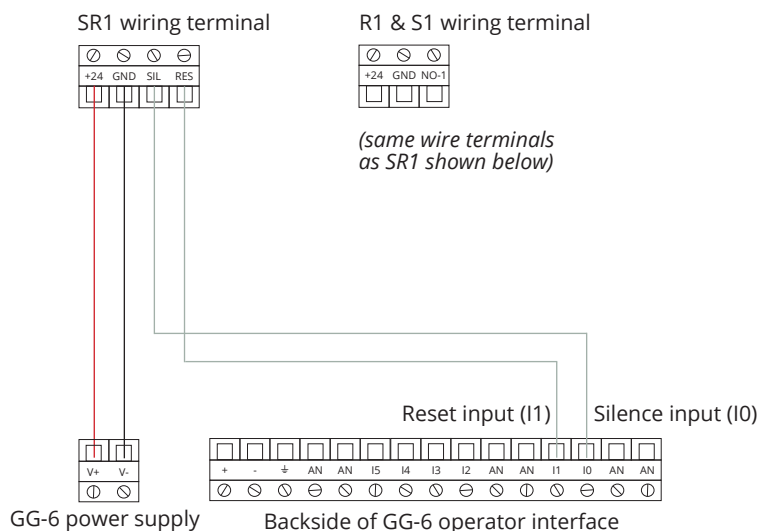**6.13 Ammonia Detection and Alarm**
  6.13.2.3 Detection of ammonia concentrations equal to or exceeding 150 ppm (1/2 IDLH) shall activate visual indicators and an audible alarm and shall activate emergency ventilation, where required, in accordance with Section 6.14.7. Once activated, emergency ventilation shall continue to operate until manually reset by a switch located in the machinery room.

Wiring Diagram Example

Ground wire required for LED ring backlight.

For the SB-SR1, use 20 AWG 4-conductor cable.

For the SB-S1 and SB-R1 models, only 3 conductors are needed.

SR1 wiring terminal

+24 GND SIL RES

R1 & S1 wiring terminal

+24 GND NO-1

(same wire terminals as SR1 shown below)

Reset input (I1)   Silence input (I0)

V+ V-

GG-6 power supply

Backside of GG-6 operator interface

SB-R1 and SB-S1

SB-SR1