

EMERGENCY PUSHBUTTON SWITCHES



Key Features

- 40 mm push/pull latching mushroom pushbutton switch
- Tamper-proof clear switch cover
- IP66/NEMA 4 weatherproof design for outdoors or washdown environments
- 120 VAC or 24 VDC
- Form C dry contacts, 1.5 Amp
- Circuit board with terminal block for wire landings
- Mounting flanges for wall mounting
- Solution for compressor room E-stop / E-vent / EPCS applications
- 2-year warranty

INDOOR / OUTDOOR COMPRESSOR ROOM PUSHBUTTON SWITCHES

Emergency pushbutton switches are an important part of any control system. They are ideal for protecting personnel and property, allowing the user to press the buttons for emergency stop/ventilation control, in addition to triggering the relays through the gas detection system.

The Emergency-Stop, Emergency-Ventilation and Emergency Pressure Control switches can be used with 24 VDC or 120 VAC, and have two sets of 1.5A contacts (one set of NO, and one set of NC). The Tamper-proof flip-cover meets most new codes, including IAR-2 2014.

The switches are housed in a durable NEMA 4 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

CONTACTS RATING: 1.5A, 120VAC or 24VDC

ENCLOSURE: Polycarbonate, IP66/NEMA 4

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

MOUNTING PLATE: Anodized aluminum

CONTACTS: Form C dry contacts

ACTUATOR: Pull to release, mushroom 40 mm

MECHANICAL DURABILITY: 500,000 cycles

ILLUMINATION: Non-illuminated

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

LISTING: UL, CE

Configurations

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

Order #: [SB-ES1](#)

Emergency Stop pushbutton switchbox, tamper-proof flip-cover, NEMA 4 enclosure

[SB-EV1](#)

Emergency Ventilation pushbutton switchbox, tamper-proof flip-cover, NEMA 4 enclosure

[SB-EPCS1](#)

Emergency Pressure Control Switch pushbutton switch box, tamper-proof flip-cover, NEMA 4 enclosure



ANSI / IIAR 2-2014:

6.12 Emergency Control Switches

6.12.1 Emergency Stop Switch. A clearly identified emergency shut-off switch with a tamper-resistant cover shall be located outside and adjacent to the designated principal machinery room door. The switch shall provide off-only control of refrigerant compressors, refrigerant pumps, and normally closed automatic refrigerant valves located in the machinery room. The function of the switch shall be clearly marked by signage near the controls.

6.12.2 Emergency Ventilation Control Switch. A clearly identified control switch for emergency ventilation with a tamper-resistant cover shall be located outside the machinery room and adjacent to the designated principal machinery room door. The switch shall provide "ON/AUTO" override capability for emergency ventilation. The function of the switch shall be clearly marked by signage near the controls.

Appendix I.4.5.2 Where required by the fire department, the EPCS should be provided with a remote switch for manual activation.

Wiring Diagram

Circuit board wiring terminal

