

## Specifications (continued)

### VS2EXR

**Case:** Same as VS2EX

**Snap switch:** 1-SPDT snap-switch and reset coil; 5A @480 VAC; 2A resistive, 1A inductive, up to 30 VDC

**Certification:** CSA Canada and US

**Remote reset:**

**Option Operating Current**

**-R15:** 350 mA @ 115 VAC (momentary duty, not continuous)

**-R24:** 350 mA @ 24 VDC (momentary duty, not continuous)

**Operating Temperature Range:** -40° F to 185° F (-40° C to 85° C)

**Range adjustment:** 0-7 G's; 0-100 Hz/0.10 in. displacement

### VS2EXRB

**Case:** Explosion-proof aluminum alloy housing; constructed to meet Class I, Division 1, Group B hazardous areas. No third-party certifications.

**Snap-switch:** 1-SPDT snap-switch with reset coil (option available for additional SPDT switch); 5A @ 480 VAC; 2A resistive, 1 A inductive, up to 30 VDC (-D option adds another SPDT with the same rating)

**Remote Reset:**

**Option Operating Current**

**-R15:** 350 mA @ 115 VAC (momentary duty, not continuous)

**-R24:** 350 mA @ 24 VDC (momentary duty, not continuous)

**Operating Temperature Range:** -40° F to 185° F (-40° C to 85° C)

**Range Adjustment:** 0-7 G's; 0-100 Hz/0.10 in. displacement

## Installation

The VS2 and VS94 series shock/vibration control switches are sensitive to shock and vibration in all three planes of motion – up/down, front/back and side/side. Front/back is the most sensitive.

- Always mount the shock/vibration control switches to the machine so that all mounting surfaces are in rigid contact with the mounting surface of the machine.
  - ◊ It may be necessary to provide a mounting plate or bracket to attach the shock/vibration control switches to the machine. The mounting bracket should be thick enough to prevent induced acceleration/vibration upon the control switches. Typically ½ in. (13mm) thick plate is sufficient.
- Position the shock/vibration control switches in line with the direction of rotating shafts (or near bearings) and with the Reset Push Button (front of unit) positioned pointing out, perpendicular (90°) to the axis of rotation.
- Refer to the illustrations in Typical Mounting Locations for examples of positioning and mounting plate/bracket use.

**CAUTION: A dust boot is provided on the Reset push button for all series to prevent moisture or dust intrusion. The sensitivity adjustment for model VS2EX is not sealed; therefore, mounting orientation should be on a horizontal plane or with the sensitivity adjustment pointing down. Never point pressure washer wand directly at the sensitivity adjustment screw. Doing so will cause water intrusion resulting in internal corrosion issues. Sensitivity adjustment for model VS2 is covered by a plug. The plug must be in place and tight to prevent moisture or dust intrusion.**

### C-Clamp Mounting and Conversion Mounting Kit

The VS2C switch is shipped with a factory installed C-clamp for mounting. A C-Clamp Conversion Mounting Kit is available for the for VS2EX and VS2EXR switches.

1. Attach C-Clamp Conversion Kit to VS2EX or VS2EXR: The C-clamp (B) is installed on a ¼ in. (6 mm) thick steel mounting plate. (A). Bolt the switch to the mounting plate as illustrated – with four 5/16 in. bolts, nuts and washers.
2. When mounting the VS2C, VS2EX or VS2EXR, position the switch so the Reset push button is convenient to access (C).
3. Tighten the C-clamp's hardened set screw and nuts (D) to secure the switch to an I-beam or cross member such as a Samson post of an oil well pump jack.

**CAUTION: Conduit fittings, especially for explosion-proof enclosures, are not weatherproof. Make sure to mount the products horizontally to minimize water ingress. The conduit opening should NEVER be pointing up. An NPT plug is installed in the conduit opening as a temporary measure to prevent moisture or dust intrusion until permanent installation.**

