



VibroGuard[®] Model 4294A

Vibration Switch



FEATURES

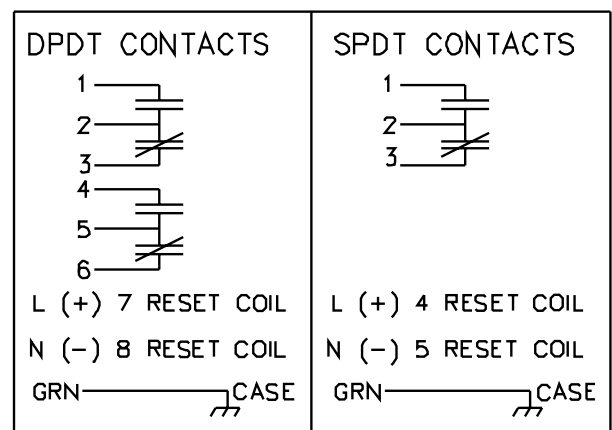
- Meets all Requirements for mechanical switches in one package
- Weatherproof and optional hazardous area ratings
- Local or remote reset with startup delay
- SPDT or DPDT switch contacts

APPLICATIONS

- Engines
- Heat Exchanger Fans
- Cooling Tower Fans
- Recip Compressors

The Model 4294A vibration switch is designed to meet all requirements for mechanical switches in a single, affordable package. This unit provides economical vibration protection for low to medium speed machinery. An inertia mechanism activates a snap-action switch if the vibration exceeds an adjustable setpoint. The Model 4294A contacts can be used to activate an alarm or to initiate equipment shutdown. The housing is weatherproof with optional hazardous area ratings. Electrical reset with start-up time delay and DPDT output contacts are available.

User Wiring Diagram



DPDT Contacts and Reset Coil optional

Dimensions

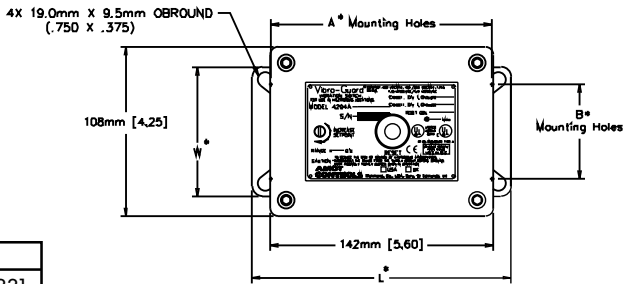
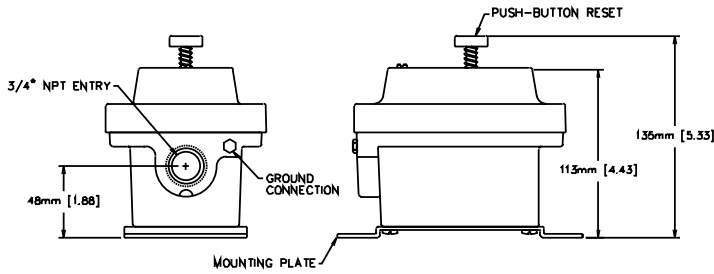


Table E (See Model Coding below)

Code	(L)	(W)	(A)	(B)
E=1	165mm[6.50]	83mm[5.56]	141mm[5.56]	59mm[2.33]
E=2,4	152mm[6.00]	121mm[4.75]	118mm[4.63]	79mm[3.12]
E=3	165mm[6.50]	121mm[4.75]	136mm[5.37]	92mm[3.62]

Specifications

Function: Armature mechanism trips on high vibration and operates snap action switch(es).

Amplitude Range: See Model Coding

Frequency Range: 0 to 100% of range .
External setpoint adjustment.

Reset: Local reset, plus optional remote reset electrical coil. See Model Coding.

Start Delay: Applying reset coil voltage at start-up holds mechanism from tripping for 20-30 seconds, after which the switch is automatically activated. Requires electric reset option.

Temperature Range: -40°C to 70°C (-40°F - 150°F)

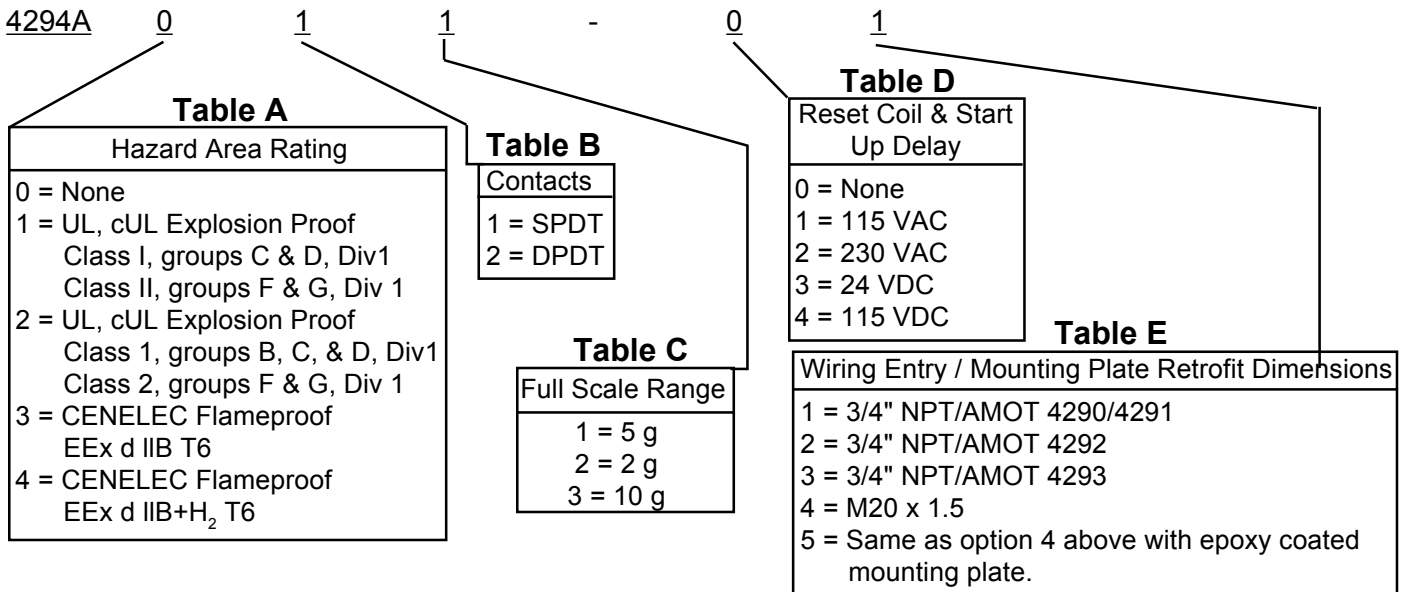
Environmental Ratings: NEMA 4, IP 65 & CE Mark

Switch Contact(s) Ratings: 15 amps, 125 or 480 vac; 1/8 hp, 125 vac; 1/4 hp, 250 vac; 1/2 amp, 125 vdc; 1/4 amp, 250 vdc.

Hazardous Ratings: See Model Coding.

Weight: 1.8 kg (4.0 lbs.)

Model Coding



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