

Model 550-X Vibration Switch Model 550M-X *Metric* Vibration Switch

Features:

Monitors Vibration Velocity in/sec (user adjustable) Automatic Alarm and/or Shutdown Limits Adjustable Time Delays (prevents nuisance trips) LED Limit and Power indicators Self diagnostic Test button (verifies operation) Solid State Reliability Explosion Proof Rated Enclosure

Applications

Fans, Cooling Towers Motors, Pumps Blowers, Compressors Crushers, Shredders, Hammer Mills Rotating Machinery Monitoring

Specifications:

LIMITS: Limit #1 (alarm) 10 - 100% of Limit #2

Limit #2 (shutdown) setting range of 550-X = 0.1 to 2.75 in/sec peak 550M-X = 2.5 to 70 mm/sec peak

VELOCITY

RANGE: 550-X = 0.1 to 2.75 in/sec peak

550M-X = 2.5 to 70 mm/sec peak

FREQUENCY

RANGE: 2 to 1000 Hz (120 to 60,000 RPM)
TIME DELAY: 1 to 30 sec (user adjustable)
POWER: 100-130V, 60 Hz, 0.02VA (L1&L2)

LIMIT OUTPUT: (2) Form-C Relay SPDT

5A @ 125 VAC; 5A @ 28 VDC

ANALOG OUTPUT:

4 - 20 mA DC. Optional remote panel meters

available (P/N - A11347)

REMOTE

RESET: Circuit closure between latch and common

terminals will reset limits. An open circuit maintains (latches) the limit relays. Short latch and common terminals for non-latching operation (jumper supplied).



MUTE: Circuit closure between MUTE and

COMMON disables limits.

ACCURACY: 5% of setting

AXIS SENSITIVITY: Perpendicular to base

Omni-directional mounting

INPUT POWER: 100 - 130 VAC 50/60 Hz

190 - 250 VAC optional

ENCLOSURE: Explosion-proof, Dust-tight

WEIGHT: 5.5 lbs (2.5 kg)

MOUNTING: 1/4" hardware 2 mounting bosses

TERMINALS: Accepts #12 AWG wire

TEMPERATURE: -30°F to 165°F (-34°C to 74°C) SIZE: 5.3125" x 7.4375" x 4.875"

(13.5 x 18.9 x 12.4 cm)

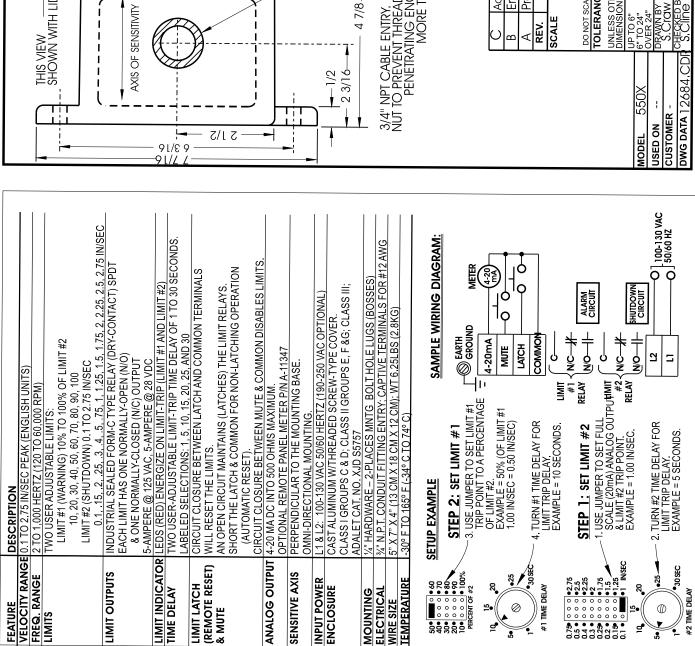
Note: Model 550-X and 550M-X explosion-proof housings are listed Class I, Groups C, D; Class II, Groups E,F,G; Class III; NEMA 7 & 9.



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INPUT POWER

IIME DELAY

& MUTE

ENCLOSURE

TEMPERATURE

MOUNTING

ELECTRICAL

WIRE SIZE

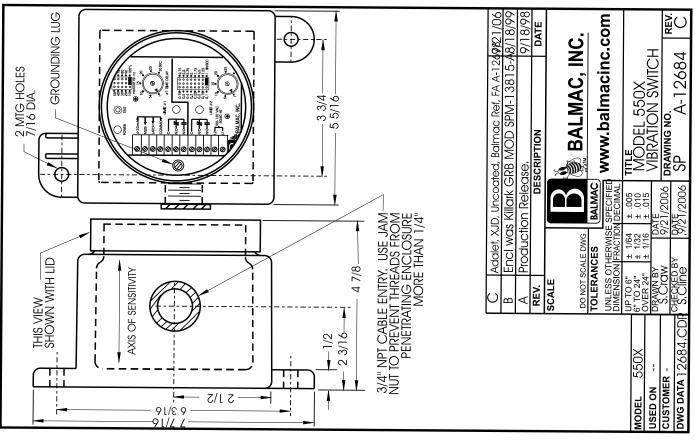
#1 TIME DELAY

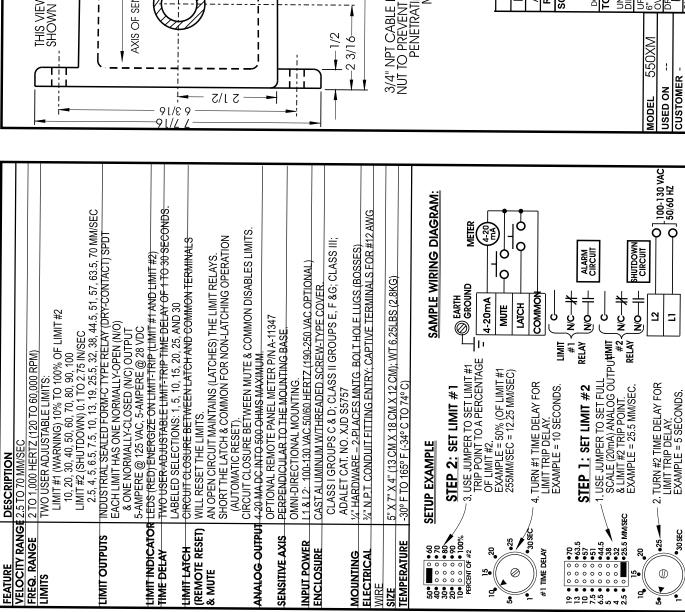
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2

#2 TIME DELAY

D





WIRE

84885

#2 TIME DELAY

1

