



Type 317I MR & 317I/S

Weatherproof Vibration Switch

Features

- Ease of installation on new or existing plant and machinery
- Robust for Industrial Environments
- S.P.C.O. or D.P. microswitch output
- Sensitive in horizontal and vertical planes
- Manual or Electric Reset
- Electrical connections via 20mm entry
- No maintenance after installation
- Models for operation in hazardous areas, see appropriate data sheet

General Descriptions

The 317I is a low cost vibration sensitive switch for the protection of rotating plant and reciprocating machinery. It is adjustable to operate above the normal running levels of vibration, activating alarm or machine shut-down circuits.

Once operated the internal microswitch remains latched until reset.

The 317I vibration switch, with its low frequency response, makes it ideal for detection of mass unbalance on most machines. It is inherently insensitive to high frequency components and

those caused by external knocks, etc. Being responsive to vibrations in any directions (dominantly in a horizontal plane) installation problems are minimised.

The 317I vibration switch is reset by depressing a reset button on the base of the 317I MR or by energising momentarily an electrical coil in the 317I/S model.

Adjustment of the operate point is controlled by rotating a set screw on top of the switch.



Unit 9 Hunting Gate
Wilbury Way, Hitchin
Hertfordshire SG4 0TJ England
T. +44 (0) 1462 444740
F. +44 (0) 1462 444789
E. sales@ffeuk.com
W. www.ffeuk.com



Type 317I MR & 317I/S

Weatherproof Vibration Switch AH21A

Applications

Rotating and reciprocating machines (below 3000rpm), eg., Fans, Centrifuges, Compressors, Pumps Mills, etc.

Technical Specification Low Voltage Directive 73/23/EEC, as amended by Directive 93/68/EEC

Manual Reset

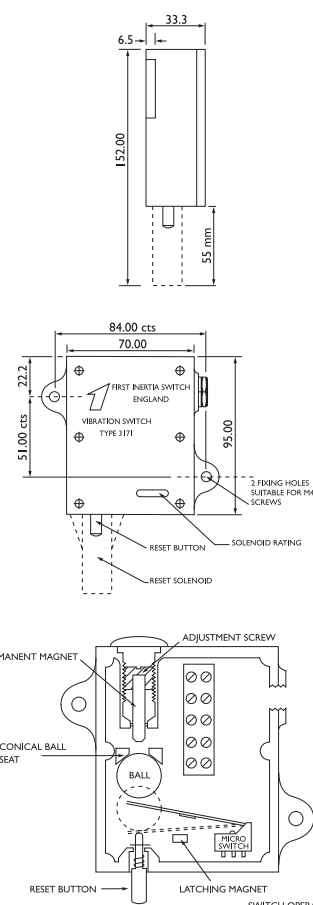
Enclosure:	Sealed Ingress Protection to IP67 to BS EN60947-1
Material:	Die-cast zinc alloy. Mazak III
Finish:	Chromate Passivation with Polyester Paint (Grey)
Set Level Range:	1 to 9g Peak (Horizontal vibrations)
Contact Rating:	*5 amp 240V ac (non-inductive) S.P.C.O. 3 amp 30V dc (non-inductive) up to 1 million operations *4 amp 240V ac per contact for D. Pole Versions
Special (Gold):	0.5A 30VDC max for I.S. Currents
Contact Arrangements:	S.P.C.O. or optional D.Pole
Temperature Range:	Max + 85 deg C, min. -35 deg C.
Connections:	Terminal block via 20mm dia. cable entry (2.5mm sq. cables).
Weight:	700 grms approx.
Mounting:	Fix to vertical face with Reset Button at bottom.
Cable:	SWA, or MICC, or Screened, or Conduit recommended.

Solenoid Reset Type 317I/S

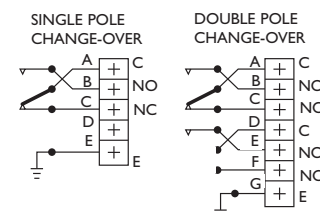
Generally as per 317I manual reset excepting:

Contact Arrangements:	D.P.S.T. (NO or NC as required).
Weight:	825 grms approx.
Packed Dimensions:	18.5 x 14 x 5cm approx. (Single Switch Boxed)
Note:	ac solenoids normally continuously rated. dc Solenoids Intermittent. 25% rated i.e. (1 min ON & 3 mins OFF).
Electrical Reset:	Solenoid rating 48 watts maximum intermittent rating. Solenoid voltages 110, 240 ac or 24 dc as standard.

Dimensions



317I MANUAL RESET



317I/S SOLENOID RESET

