

| | ENGLISH | SI | |
|---|-----------------------------|-----------------------------|-----|
| Performance | | | |
| Alarm Threshold(± 10 %) | 0.25 to 5 in/sec pk | 4.5 to 90 mm/s rms | |
| Frequency Range(± 3 dB) | 420 to 60 kcpm | 7 to 1000 Hz | |
| Hysteresis(% < Alarm Threshold) | 3; 6; or 10 % | 3; 6; or 10 % | [1] |
| Residual Vibration Level(Reference) | Dependent or Independent | Dependent or Independent | [1] |
| Residual Vibration Level(% Alarm Threshold) | 1 to 40 % | 1 to 40 % | [1] |
| MAVT(Sets Alarm Threshold to 2X actual vibration) | Enabled or Disabled | Enabled or Disabled | [1] |
| Transverse Sensitivity | <7 % | <7 % | |
| Power On Delay(± 1 sec) | 3 or 20 sec | 3 or 20 sec | [1] |
| Startup Delay(± 1 sec or 1 min)(Time) | 1 to 60 sec or 1 to 30 min | 1 to 60 sec or 1 to 30 min | [1] |
| Startup Delay(x Alarm Threshold) | x2; x4; x8; Blocked | x2; x4; x8; Blocked | [1] |
| Startup Delay(Active) | Enabled or Disabled | Enabled or Disabled | [1] |
| Operational Delay(± 1 sec) | 1 to 60 sec | 1 to 60 sec | [1] |
| Relay(Type) | SPST, Form A or B MOSFET | SPST, Form A or B MOSFET | |
| Relay(Latching) | Latching / Non-Latching | Latching / Non-Latching | |
| Relay(Contacts) | Normally Open / Closed | Normally Open / Closed | |
| Environmental | | | |
| Temperature Range(Operating) | -40 to 185 °F | -40 to 85 °C | |
| Temperature Range(Storage) | -40 to 257 °F | -40 to 125 °C | |
| Overload Limit(Shock) | 5000 g pk | 49,050 m/s ² pk | |
| Enclosure Rating | IP68 | IP68 | |
| Electrical | | | |
| Power Required | 24 to 240 V DC/AC 50/60 Hz | 24 to 240 V DC/AC 50/60 Hz | |
| Current Rating(Relay Closed) | 500 mA | 500 mA | |
| Leak Current(Relay Open) | ≤ 1 mA | ≤ 1 mA | |
| Electrical Isolation(Case) | >10 ⁸ Ohm | >10 ⁸ Ohm | |
| Physical | | | |
| Size (Hex x Height) | 1.25 in x 2.6 in | 1.25 in x 66 mm | |
| Weight | 5.2 oz | 148 gm | |
| Mounting Torque | 3 to 5 ft-lb | 4 to 7 Nm | |
| Mounting Thread | 1/4-28 Female | 1/4-28 Female | |
| Sensing Element(Internal) | Piezoelectric Accelerometer | Piezoelectric Accelerometer | |
| Housing Material | Stainless Steel | Stainless Steel | |
| Sealing | Welded Hermetic | Welded Hermetic | |
| Electrical Connector | 2-Pin MIL-C-5015 | 2-Pin MIL-C-5015 | |
| Electrical Connection Position | Top | Top | |

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

EX - Hazardous Area Approval- contact factory for specific approvals

| | | |
|------------------------------|--|--|
| Current Rating(Relay Closed) | 100 mA | 100 mA |
| Hazardous Area Approval | CI I, Div 2, Groups A, B, C, D; Ex nL IICT3, AEx nA IICT3 | CI I, Div 2, Groups A, B, C, D; Ex nL IICT3, AEx nA IICT3 |
| Power Required | 10 to 30 VDC | 10 to 30 VDC |
| Relay(Capacity) | 10 to 30 VDC, 100 mA | 10 to 30 VDC, 100 mA |

M - Metric Mount
Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)

NOTES:

[1] USB Programmable - See configuration sheet supplied with switch for exact setting.
[2] See PCB Declaration of Conformance PS023 or PS060 for details.

SUPPLIED ACCESSORIES:
Model 081A41 Mounting stud 1/4-28 socket head set screw brass tip stainless steel 5/8" long (1)

| | | | | |
|----------------|----------------|----------------|----------------|--------------|
| Entered: AP | Engineer: do | Sales: EGY | Approved: BAM | Spec Number: |
| Date: 9/4/2012 | Date: 9/4/2012 | Date: 9/4/2012 | Date: 9/4/2012 | 40110 |

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|  | Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com |
| 3425 Walden Avenue, Depew, NY 14043 | |



*All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.*