

	ENGLISH	SI	
<b>Performance</b>			
Alarm Threshold(± 10 %)	0.25 to 5 in/sec pk	4.5 to 90 mm/s rms	[1]
Frequency Range(± 3 dB)	120 to 60 kcpm	2 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	[1]
Relay(Contacts)	Normally Open / Closed	Normally Open / Closed	[1]
<b>Environmental</b>			
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 <sup>2</sup> pk	
Enclosure Rating	IP68	IP68	
<b>Electrical</b>			
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 <sup>8</sup> Ohm	>10 <sup>8</sup> Ohm	
<b>Physical</b>			
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 PS096 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: jg	Sales: EGY	Approved: BAM	Spec Number:
Date: 2/27/2013	Date: 2/27/2013	Date: 2/27/2013	Date: 2/27/2013	<b>55110</b>



*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.*



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