

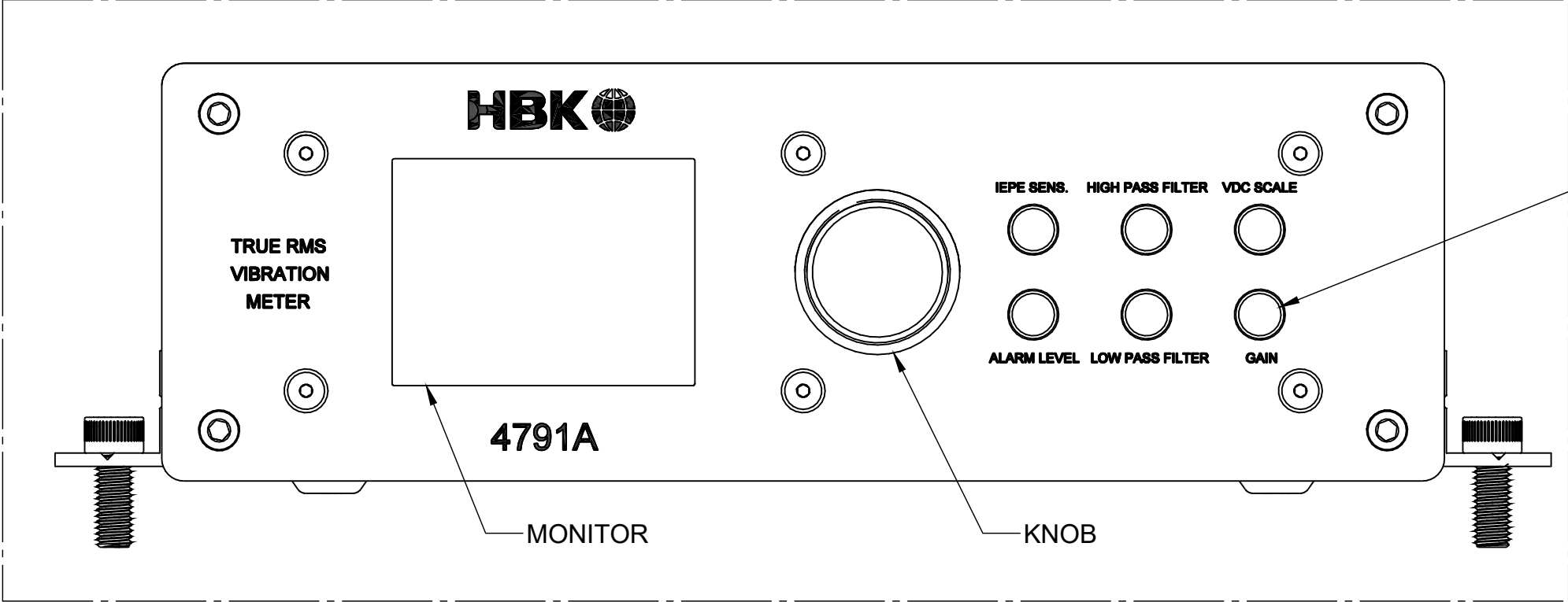
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B

B

B

B



PUSH BUTTON
(6 PLCS)

MONITOR

KNOB

DETAIL A-A

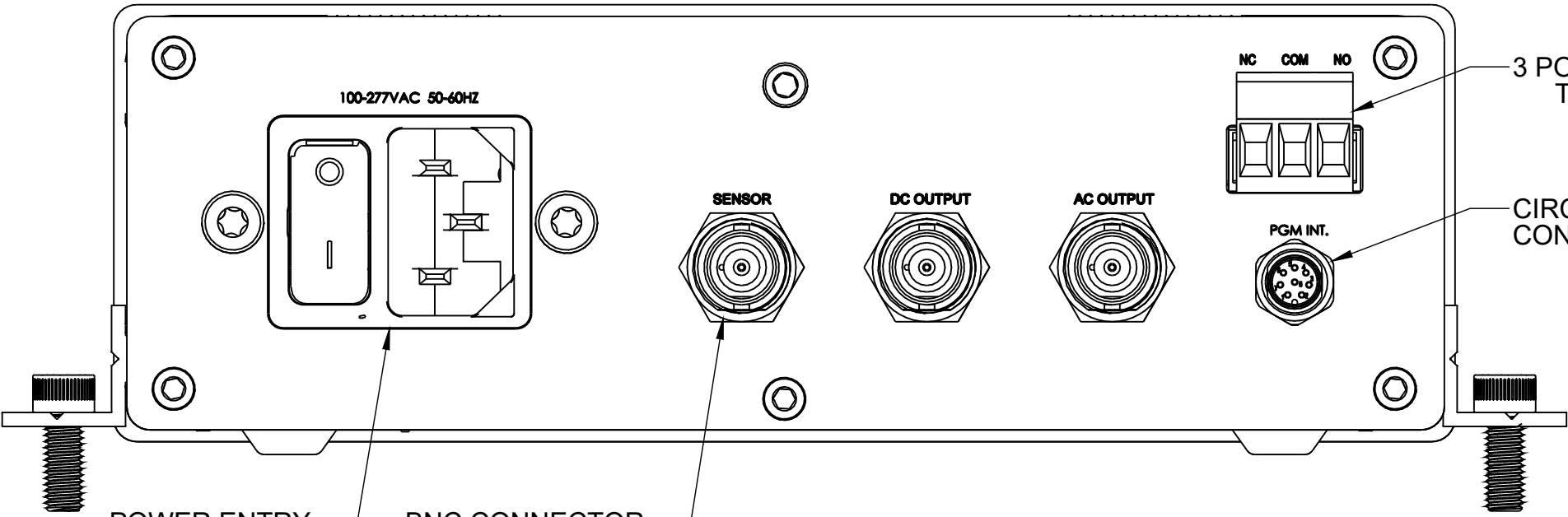
A4
SH1

A

A

A

A



3 POINT SCREW
TERMINAL


CIRCULAR 8 PIN
CONNECTOR


POWER ENTRY
MODULE

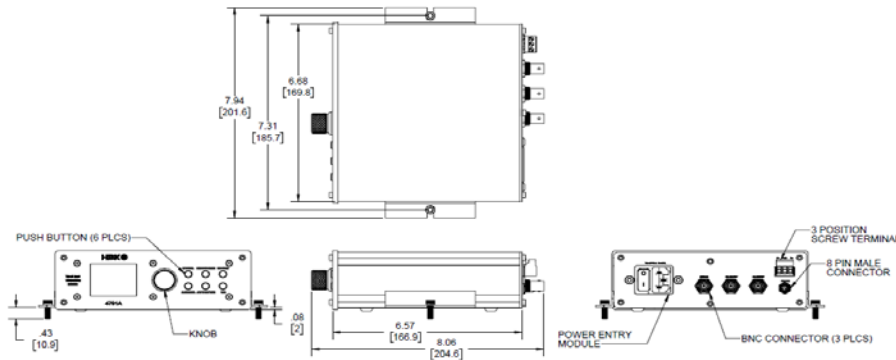
BNC CONNECTOR
(3 PLCS)

VIEW B-B


B2
SH1

 Chatsworth, CA				
TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 4791A				
SIZE B	CAGE CODE 2W033	DWG NO 127-4791A	REV B	
SCALE: 1:8	PART NO: 127-4791A		SHEET 2 OF 2	

Model Number 4791A		PERFORMANCE SPECIFICATIONS				DOC NO PS4791A				
		4791A TRUE RMS VIBRATION METER WITH ALARM RELAY				REV B, ECN 17542, 07/145/24				
		<ul style="list-style-type: none">• DESIGNED TO OPERATE WITH IEPE ACCELEROMETERS• CONVERTS AC ACCELERATION TO DC RMS LEVEL• VARIABLE RANGE AND SENSITIVITIES• ACCELERATION LEVEL DRIVEN ALARM WITH RELAY OUTPUT• HP AND LP FILTERS, USER SELECTABLE				This family also includes:				
						Model	Sensitivity (mV/g)	Frequency Response, ±10% (Hz)	Time Constant (Sec)	Operating Temp (°F)
Refer to the performance specifications of the products in this family for detailed description										
PHYSICAL Weight Overall size Case Material Mounting		ENGLISH		SI						
		2.38	Lbs	1.08	kg					
		2.3 x 7.9 x 8.1	IN	6 x 20 x 20	cm					
		Anodized Aluminum		Anodized Aluminum						
		Mounting Ears		Mounting Ears						
PERFORMANCE Voltage input (Peak) Sensor sensitivity IEPE Compliance Voltage[1] IEPE Limited Current HP -3dB Frequency Selection LP -3dB Frequency Selection Gain[2] AC Output[2] VDC Output[3] Alarm Alarm Relay										
		+/-5	Vpeak	+/-5	Vpeak					
		4.6-110.5	mV/g	0.47-11.26	mV/ m/s ²					
		>19	VDC	>19	VDC					
		3.8 - 7.0	mA	3.8 - 7.0	mA					
		1, 2, 3, 5, 10, 20	Hz	1, 2, 3, 5, 10, 20	Hz					
		1, 2, 3, 5, 7, 10	kHz	1, 2, 3, 5, 7, 10	kHz					
		x1, x5, x10		x1, x5, x10						
		Range	Vpeak	Range	Vpeak					
		<10	Ohm	<10	Ohm					
		0-10	VDC	0-10	VDC					
		Conversion Factor	VDC/G(RMS)	0.005 - 0.10	VDC/m/sec2(RMS)					
		Adjustment Increment	VDC/G(RMS)	0.001	VDC/m/sec2(RMS)					
		Output Impedance	Ohm	<10	Ohm					
		Current Output	mA	1	mA					
		Range	G(RMS)	9.81-1,961	m/sec ² (RMS)					
		Adjustment Increment	G(RMS)	0.981	m/sec ² (RMS)					
		Max Current (28VDC)	A	1	A					
		Max Current (110VAC)	A	0.5	A					
		ELECTRICAL Power		Voltage		110/220		VAC		
Current, Max				0.7		A				
ENVIRONMENTAL Temperature Vibration Shock		Operating		32-158		°F				
		Storage		14-200		°F				
		1-2kHz, Random		5		G(RMS)				
		10mS, Half-Sine		100		Gpeak				



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4791A for more information.



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