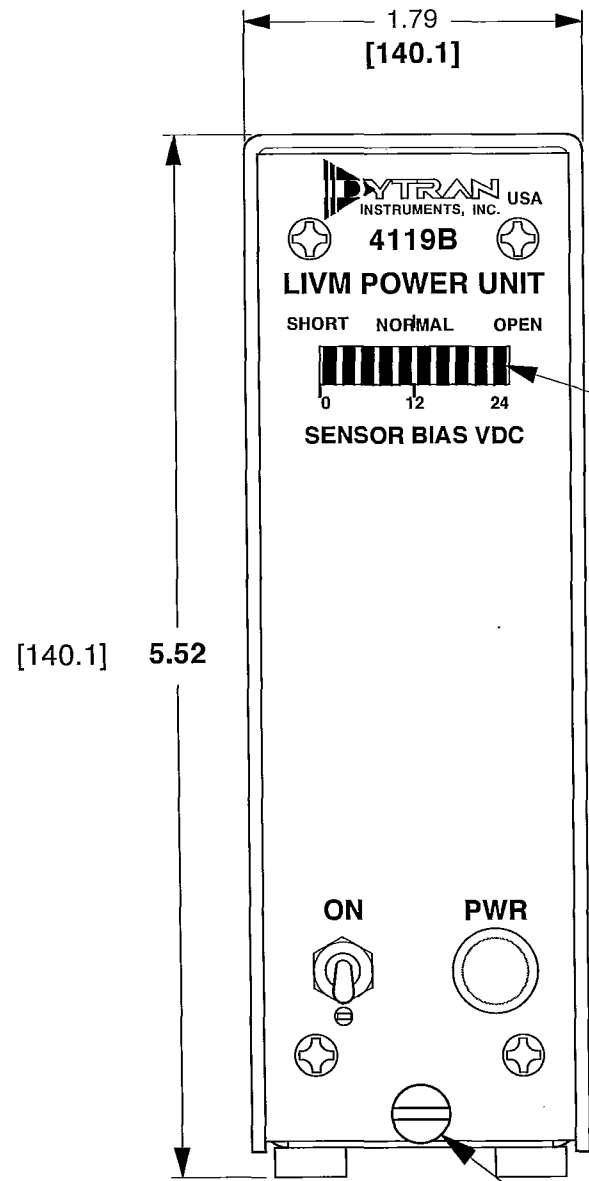


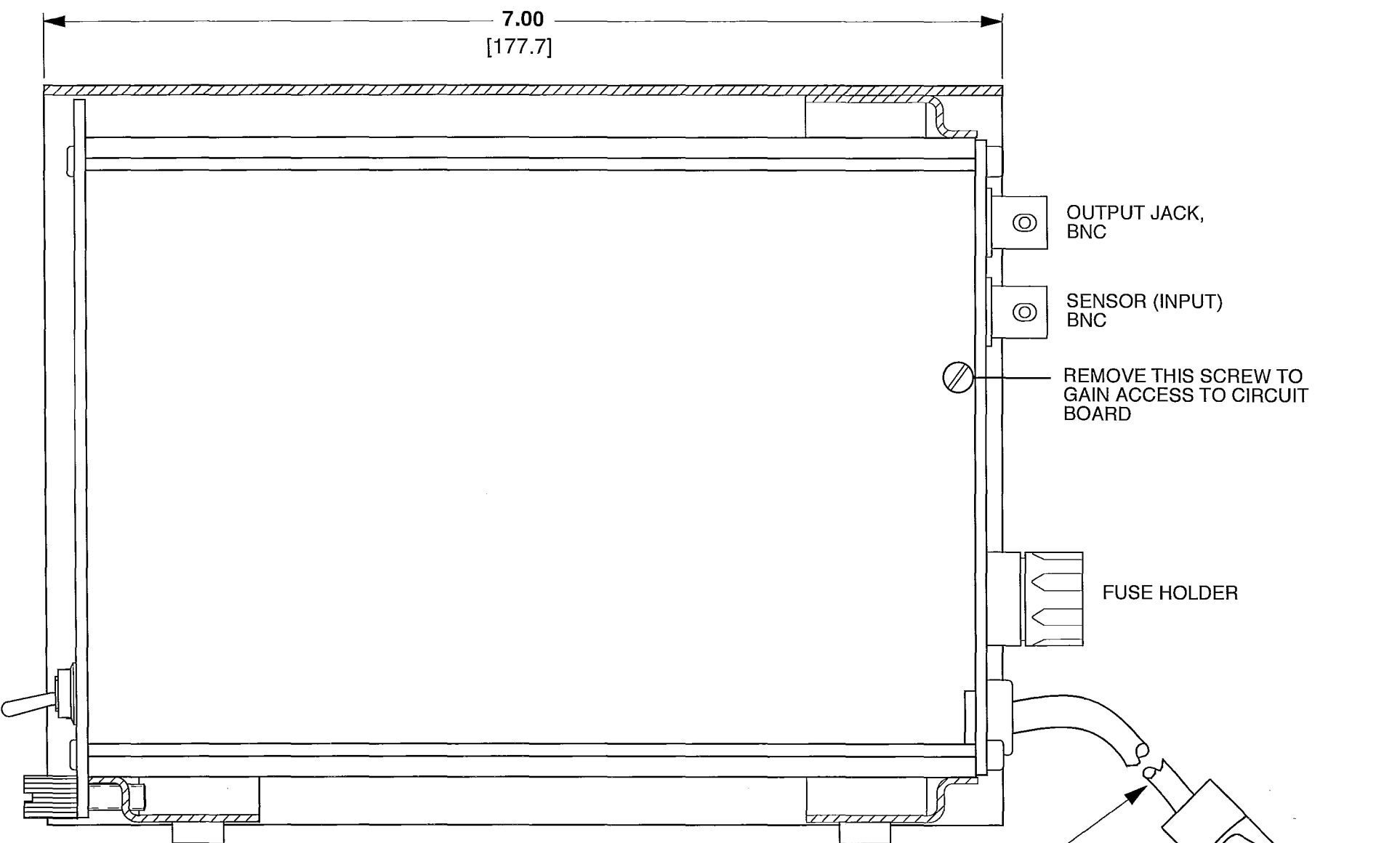
REV	ECN	DESCRIPTION	BY/DATE	CHK	APP
A	10288	UPDATED VIEW OF CONNECTOR	RLA 8/20/13	EM	RT



4119B POWER UNIT

10-SEGMENT LED ARRAY DC VOLTMETER MONITORS SENSOR BIAS VOLTAGE

REMOVE THIS SCREW TO REMOVE UNIT FROM OUTER CASE



THIS VIEW IS WITH OUTER CASE SECTIONED

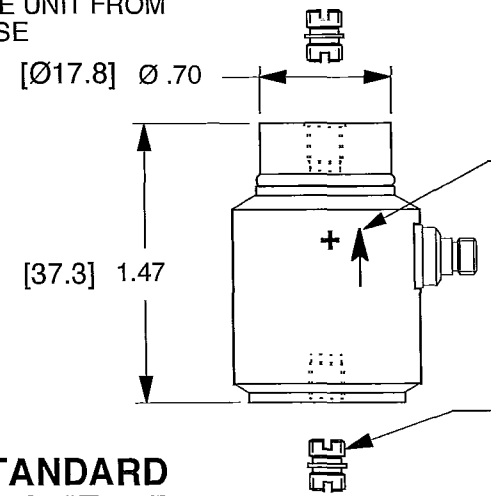
LINE CORD, 6 FT.

OUTPUT JACK, BNC

SENSOR (INPUT) BNC

REMOVE THIS SCREW TO GAIN ACCESS TO CIRCUIT BOARD

FUSE HOLDER



3123A STANDARD ACCELEROMETER

SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE GOING OUTPUT VOLTAGE

MODEL 6200 10-32 MOUNTING STUD, 2 PROVIDED

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. METRIC CONVERSIONS [mm] ARE SHOWN IN BRACKETS.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	NO SCALE	REV	DATE	ECN	
DATE	8/10/05	PART NO.	MODEL 3123AK		
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	N.C.	8/10/05	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, SYSTEM MODEL 3123AK				127-3123AK	
				SHEET 1 OF 1	

SPECIFICATIONS: MODELS 3123AK & E3123AK VIBRATION CALIBRATION SYSTEM

SYSTEM DEFINITION: THE **3123AK** SYSTEM CONSISTS OF: 3123A STD. ACCELEROMETER, 4119B POWER UNIT/AMPLIFIER, 6011A05 INPUT CABLE, 6020A05 OUTPUT CABLE, 6200 MOUNTING STUD (2), 6201 10-32/1/4-28 MTG. STUD, 6213 ADHESIVE MOUNTING BASE, 6309 CARRYING CASE. MODEL **E3123AK** IS IDENTICAL EXCEPT FOR THE 230 VAC OPERATING VOLTAGE.

SYSTEM SPECIFICATIONS	VALUE	UNITS
SYSTEM SENSITIVITY @ 100 Hz [1]	100.00 ±1.0	mV/G
FREQUENCY RESPONSE, ±2% [1]	10 to 5,000	Hz
LINEARITY	± 1	% F.S.
RANGE F.S. FOR 5 VOLTS OUT	± 500	G
OPERATING FORCE RANGE [2]	± 10	Force-pounds
EQUIVALENT ELECTRICAL NOISE, (BROADBAND)	.003	G, RMS
OUTPUT IMPEDANCE	2	Ohms

ACCELEROMETER MODEL 3123A SPECIFICATIONS

SENSITIVITY, ±5%	100	mV/G
DISCHARGE TIME CONSTANT	0.5 to 1.5	Sec
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
TEMPERATURE RANGE	-60 to +200	°F
TRANSVERSE SENSITIVITY, MAX	3	%
ELECTRICAL CONNECTOR, RADIAL	10-32 COAXIAL	Jack
MOUNTING HOLES, TOP & BOTTOM	10-32	UNF-2B
MAXIMUM SHOCK	3000	G
MATERIAL (NON-MAGNETIC)	300 SERIES STAINLESS STEEL	
BIAS VOLTAGE	+7.5 to +9.5	VDC
SUPPLY CURRENT (CONSTANT CURRENT)	2	mA
COMPLIANCE VOLTAGE	+20	VDC
WEIGHT	3.5/100	oz/grams

AMPLIFIER/POWER UNIT 4119B SPECIFICATIONS

SENSOR SUPPLY CURRENT/VOLTAGE, STD	2/+20	mA/VDC
FILTER, LOW PASS, ACTIVE	VCVS	12 db/octave
SENSOR/OUTPUT CONNECTOR	BNC/BNC	Coaxial jack
INPUT POWER, STD MODEL, 115 VAC	2.4	VA
INPUT POWER, 'E' MODEL, 230 VAC	2.4	VA
POWER CORD, STD	6 FT 3-WIRE W/CHASSIS	GND
WEIGHT	32/900	oz/grams
SIZE (H x W x D) [3]	5.5 x 1.6 x 8.0	Inches
(H x W x D) [3]	140 x 41 x 203	mm
TEMPERATURE RANGE	0 to +120	° F

[1] System calibrated at factory with **NIST** traceable transfer standard accelerometer weighing 19 grams. NIST traceability number supplied with each system calibration.

[2] Force pound range = product of weight of test accelerometer x G level.

[3] Mounts in available Model 4200 19-inch wide equipment rack. Up to 10 units fit in one rack.