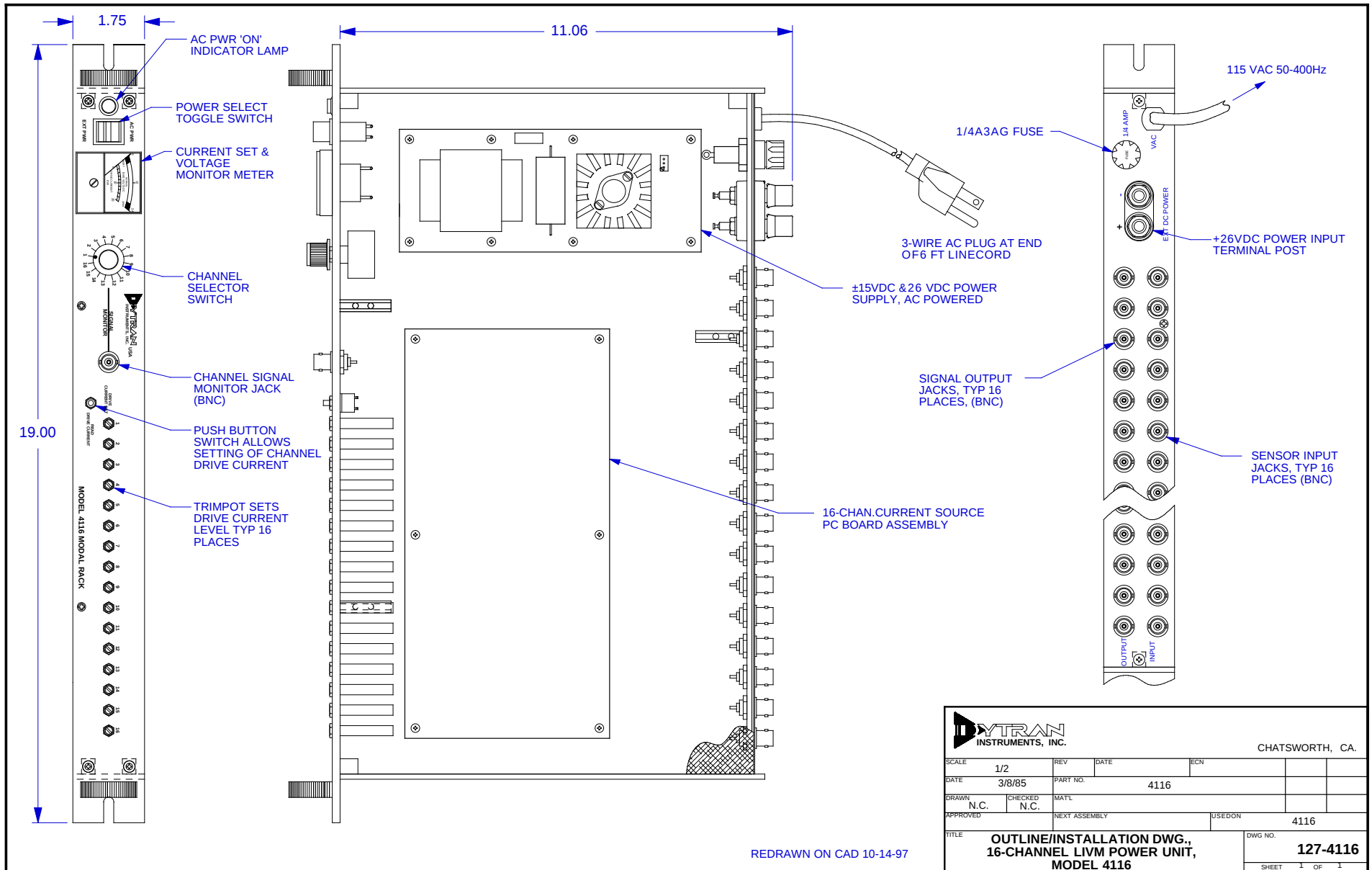




DIYTRAN INSTRUMENTS, INC.		CHATSORTH, CA.	
SCALE 1/2	REV	DATE	ECN
DATE 3/8/85	PART NO. 4116		
DRAWN N.C.	CHECKED N.C.	MAT'L	
APPROVED	NEXT ASSEMBLY	USED ON 4116	
TITLE OUTLINE/INSTALLATION DWG., 16-CHANNEL LIVM POWER UNIT, MODEL 4116			DWG NO. 127-4116
			SHEET 1 OF 1

**MODEL 4116 SIXTEEN CHANNEL RACK MOUNTED POWER UNIT
WITH ADJUSTABLE SENSOR DRIVE CURRENT**

SPECIFICATIONS	VALUE	UNITS
SENSOR SUPPLY CURRENT (SUPPLY CURRENT FOR EACH CHANNEL IS INDIVIDUALLY SETTABLE FROM FRONT PANEL)	2 TO 20 , ADJUSTABLE	mA
NUMBER OF SENSOR CHANNELS	16	
SENSOR EXCITATION VOLTAGE (COMPLIANCE VOLTAGE)	+24	VDC
VOLTAGE GAIN	UNITY	
FRONT PANEL ANALOG PANEL METER F.S. DC VOLTS	+24	VDC
FRONT PANEL ANALOG PANEL METER F.S. DC mA	20	mA
OUTPUT COUPLING CAPACITOR (EACH CHANNEL)	10	μF
COUPLING TIME CONSTANT		
WITH 10 MEGOHM LOAD	9.0	SEC
WITH 1 MEGOHM LOAD	5.0	SEC
LOWER -3db FREQUENCY		
WITH 10 MEGOHM LOAD	.017	Hz
WITH 1 MEGOHM LOAD	.032	Hz
HIGH FREQUENCY RESPONSE	DETERMINED BY SENSOR AND CABLE LENGTH	
NOISE, WIDEBAND	150	μV
SENSOR CONNECTORS, REAR PANEL (16)	BNC	JACK
OUTPUT CONNECTORS, REAR PANEL (16)	BNC	JACK
POWER CORD, 3-WIRE WITH CHASSIS GROUND	3-WIRE PLUG	6 FT
AC POWER REQUIRED	13.0	VA
LINE VOLTAGE REQUIRED (STANDARD PRODUCT)	115	60 Hz
LINE VOLTAGE REQUIRED ("E" VARIATIONS)	230	VAC 50 -400 Hz
ALTERNATE DC POWER INPUT (VIA TWIN INPUT TERMINALS ON REAR PANEL)	+20 TO +28 VDC	
SIZE, H X W X D	1.75 X 19.0 X 11.1	IN
WEIGHT	5.0/2.3	Lbs./kG.

OPERATING INSTRUCTIONS, MODEL 4116