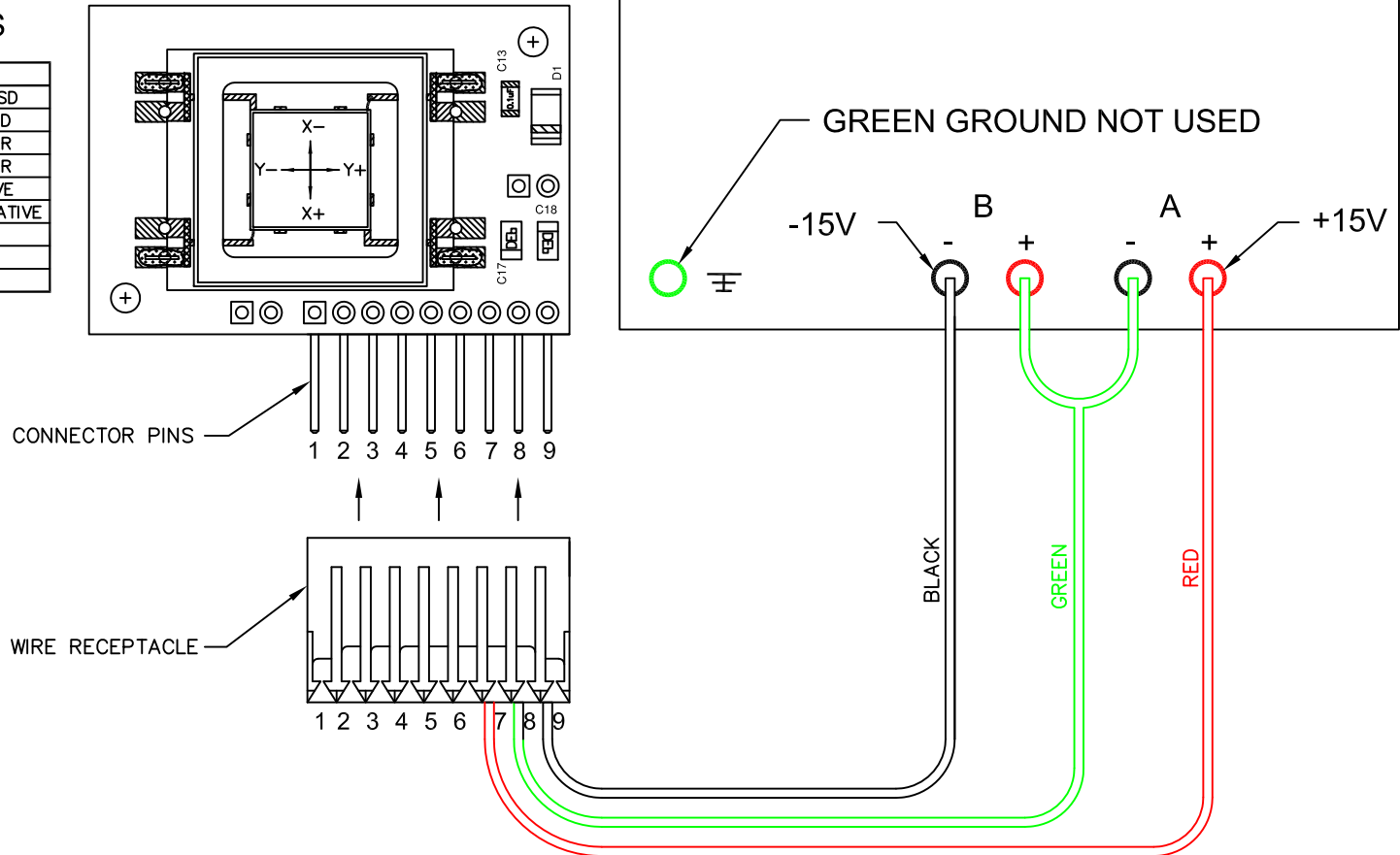


DL SERIES PSD MODULE HOOK UP NOTES

DL16-7-PCBA3
 DL100-7-PCBA3
 DL400-7-PCBA3

PIN CONNECTIONS

PIN	FUNCTION
1	NEGATIVE BIAS VOLTAGE TO PSD
2	POSITIVE BIAS VOLTAGE TO PSD
3	Y AXIS VOLTAGE OUT- BIPOLAR
4	X AXIS VOLTAGE OUT- BIPOLAR
5	ANODE SUM (Y AXIS)- POSITIVE
6	CATHODE SUM (X AXIS)- NEGATIVE
7	+15 V SUPPLY VOLTAGE
8	SIGNAL & POWER COMMON
9	-15 V SUPPLY VOLTAGE



TO OPERATE THE DL16-7-PCBA3, DL100-7-PCBA3, OR DL400-7-PCBA3 YOU WILL NEED A DUAL OUTPUT POWER SUPPLY OR TWO SINGLE OUTPUT POWER SUPPLIES. THE CURRENT REQUIREMENT IS ABOUT 15 mA FOR EACH VOLTAGE POLARITY. MOST LAB BENCH TOP DUAL SUPPLIES WILL WORK. A DUAL SUPPLY WILL HAVE TWO SETS OF VOLTAGE CONNECTIONS, EACH WITH THREE PLUG-INS, "+" (RED), "-" BLACK AND GROUND (GREEN). IN SOME CASES THERE WILL ONLY BE ONE GREEN GROUND PLUG-IN FOR BOTH CHANNELS. THE GREEN GROUND PLUGS ARE NOT USED. YOU WILL NEED TO SHORT THE "+" OF ONE CHANNEL SET TO THE "-" OF THE OTHER CHANNEL SET AND THIS WILL BE THE GROUND TO THE PSD MODULE (PIN 8). THE REMAINING "+" GOES TO THE PSD MODULE'S "+" (PIN 7), AND THE REMAINING "-" GOES TO THE PSD MODULE'S "-" (PIN 9).

THE MODULE WILL NOT WORK WHEN POWERED BY A SINGLE OUTPUT POWER SUPPLY. WE DO NOT RECOMMEND POWERING THE PSD MODULE WITH BATTERIES BECAUSE THE CURRENT LEVELS ARE USUALLY INSUFFICIENT AND/OR DIMINISH OVER TIME.