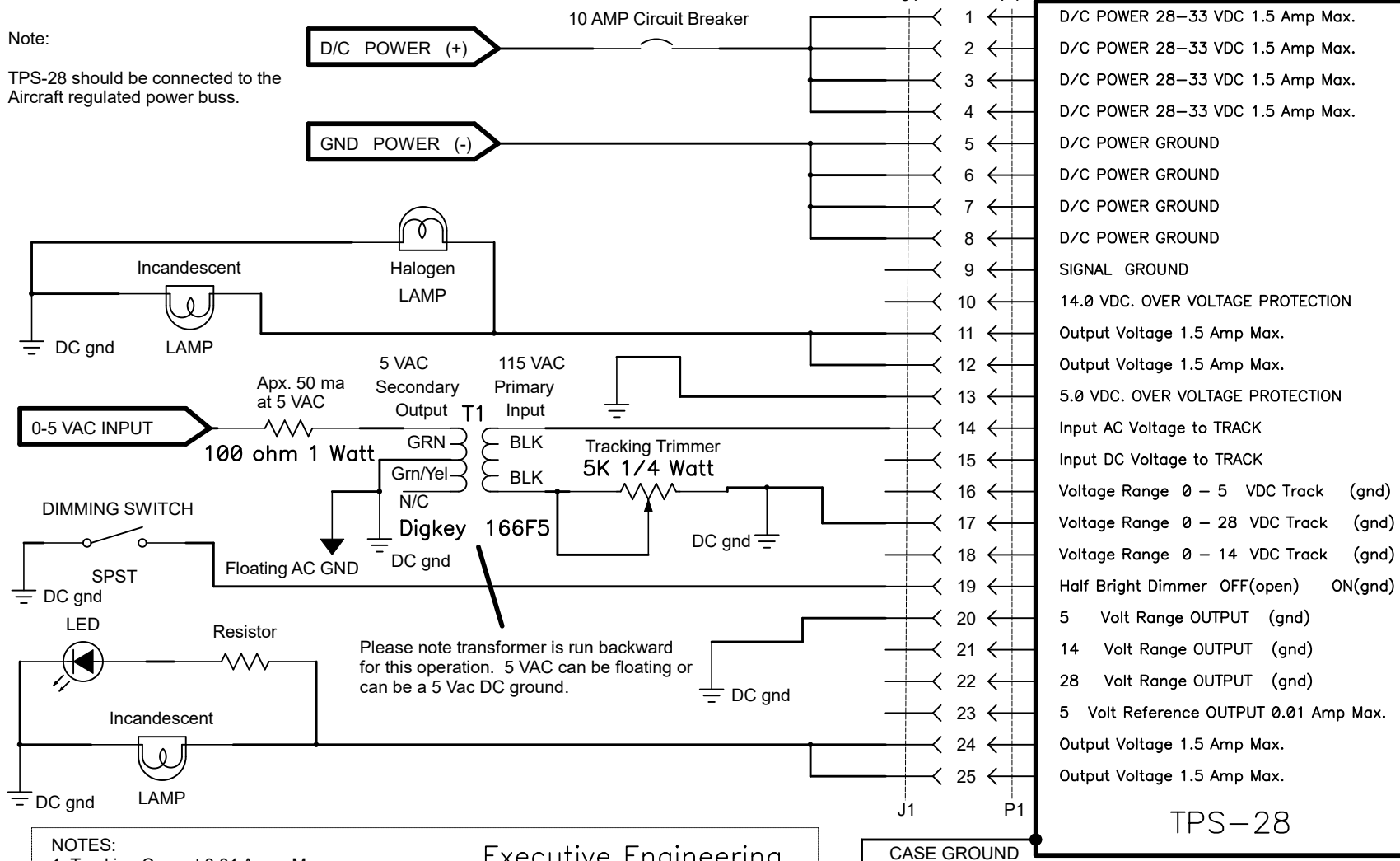


Note:
TPS-28 should be connected to the Aircraft regulated power buss.



1	←	D/C POWER 28-33 VDC 1.5 Amp Max.
2	←	D/C POWER 28-33 VDC 1.5 Amp Max.
3	←	D/C POWER 28-33 VDC 1.5 Amp Max.
4	←	D/C POWER 28-33 VDC 1.5 Amp Max.
5	←	D/C POWER GROUND
6	←	D/C POWER GROUND
7	←	D/C POWER GROUND
8	←	D/C POWER GROUND
9	←	SIGNAL GROUND
10	←	14.0 VDC. OVER VOLTAGE PROTECTION
11	←	Output Voltage 1.5 Amp Max.
12	←	Output Voltage 1.5 Amp Max.
13	←	5.0 VDC. OVER VOLTAGE PROTECTION
14	←	Input AC Voltage to TRACK
15	←	Input DC Voltage to TRACK
16	←	Voltage Range 0 - 5 VDC Track (gnd)
17	←	Voltage Range 0 - 28 VDC Track (gnd)
18	←	Voltage Range 0 - 14 VDC Track (gnd)
19	←	Half Bright Dimmer OFF(open) ON(gnd)
20	←	5 Volt Range OUTPUT (gnd)
21	←	14 Volt Range OUTPUT (gnd)
22	←	28 Volt Range OUTPUT (gnd)
23	←	5 Volt Reference OUTPUT 0.01 Amp Max.
24	←	Output Voltage 1.5 Amp Max.
25	←	Output Voltage 1.5 Amp Max.

1

2

3

4

1

2

3

4

NOTES:
 1. Tracking Current 0.01 Amps Max.
 2. Max. circuit breaker size 15 Amps.
 3. Signal ground is used for adjustable resistor return.
 4. Dimmer switch will work in any mode of operation.
 5. Max. wire size is 18 GA for crimp pins.
 6. DO NOT exceed 4 Amps. per Pin IN / OUT
 7. Most LED's need Current limiting resistors, common values are 470 Ohms for 5 volts, 1K for 12 volts, 2.7K for 28 volts this gives 10ma of current for that LED.
 8. Case of TPS-28 should be connected to ground.

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CASE GROUND
Aircraft Ground
DC gnd

Title 0-5 VAC TRACKING / 0-5 OUPUT VOLTS		
Size A	Number T5AC-T-5	Rev 4
Date 6/05/2020	Drawn by EE	
Filename T5AC-T-5.sch	Sheet 1 of 1	

A

B

C

D