

## **What 5 Volt AC Tracking Schematic should I use with the TPS-28D..?**

This depends on how accurate you want to track your AC 5 Volts on the low end of the dimming. If your using Night Vision Equipment then you should be using schematic number ( **T5AC-T-5** ) ( **T5AC-T-14** ) ( **T5AC-T-28** ) The T1 transformer acts as an amplified voltage to the TPS-28 and extends the range of tracking of the 5 Volts AC in the sampling circuits in the TPS-28. This give you much better tracking on the lower end of the dimmer voltage.

If your just looking for Tracking 5 Volts AC and you don't care about the lower 10% of the dimming range then schematic ( **T5AC-T-5-V2** ) ( **T5AC-T-14-V2** ) ( **T5AC-T-28-V2** ) will work for your needs. The TPS-28D will track the 5 Volts AC down very well until about the lower 10% of the 5 Volts AC and then the tracking becomes none linear. For some customer this is fine because they never dim the lamps to almost off and they don't use Night Vision Equipment in their aircraft.

If you have any question feel free to contact Executive Engineering.

