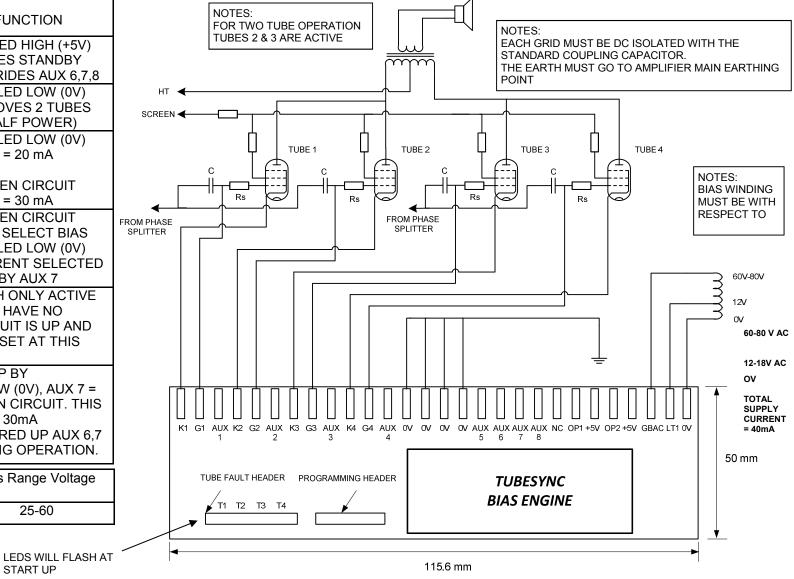
## TUBESYNC BIAS ENGINE CONNECTION DIAGRAM: STANDBY, HALF POWER, 20mA, 30mA & 2 TUBE INPUT FUNCTIONS



INPUT	DESCRIPTION	FUNCTION
AUX 5	STANDBY	PULLED HIGH (+5V) GIVES STANDBY OVERRIDES AUX 6,7,8
AUX 6	HALF POWER MODE	PULLED LOW (0V) REMOVES 2 TUBES (HALF POWER)
AUX 7	20mA BIAS	PULLED LOW (0V) = 20 mA
	30mA BIAS	OPEN CIRCUIT = 30 mA
AUX 8	BIAS METHOD SELECT	OPEN CIRCUIT = PC SELECT BIAS PULLED LOW (0V) = CURRENT SELECTED BY AUX 7
POWER UP	AUX 7 & AUX 8 ARE BOTH ONLY ACTIVE AT POWER UP. I.E. THEY HAVE NO EFFECT ONCE THE CIRCUIT IS UP AND RUNNING, THE MODE IS SET AT THIS POINT.	
TWO TUBE ONLY MODE	SELECTED AT POWER UP BY SELECTING: AUX 6 = LOW (0V), AUX 7 = LOW (0V) & AUX 8 = OPEN CIRCUIT. THIS OVERRIDES THE 20mA & 30mA FUNCTION. ONCE POWERED UP AUX 6,7 & 8 ARE IGNORED DURING OPERATION.	
HT Voltage	Input Voltage	Bias Range Voltage
550	60-80	25-60

START UP





**REF DRW 100154**