

PCBA Manual

Power Setting

- * Connect the PCBA and Ozone Electrode in its Minimal Configuration
- * Make Sure the High Voltage lines are properly isolated with Silicon Tubes and Connected well to the Electrode
- * Rotate the Power Adj and Overcurrent Trimpot in Clockwise until zero (Observe the Tick Sound)

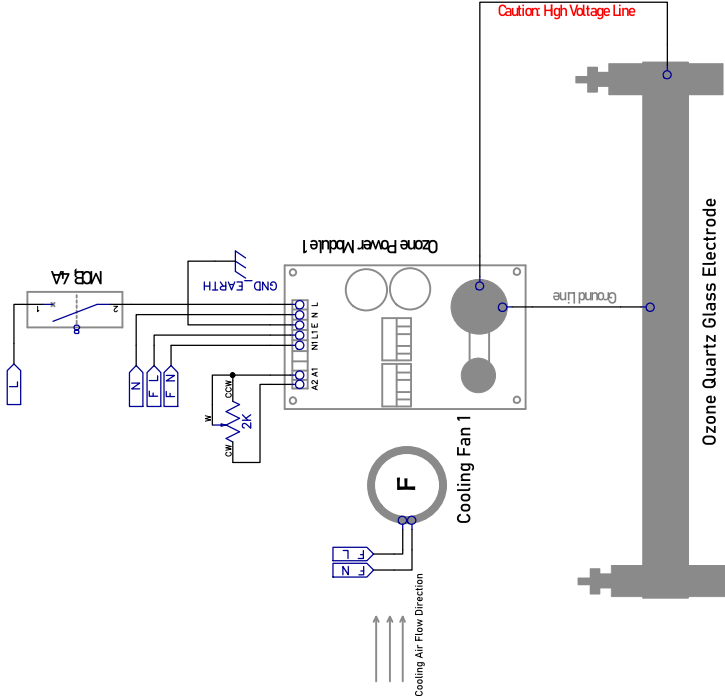


- * Check the fuses and once again ensure that PCBA is mounted properly
- * Power ON the PCBA with 230Vac Supply, While the power UP happened the RED Led in the Board Glows
- [Note : Please Connect a Voltmeter and Ammeter in the PowerLine for Setting the Watts \(Only for First time Configuration\)](#)
- * Now Adjust the Power ADJ trimpot in anticlockwise until the desired power reaches
- * Dont Exceed the Limit of current which is Higher than the specified Value. The Limit is based on the Electrode
- * The 250VA PCBA can able to Supply upto 1.2A of current in its Maximum load.
(i.e. it can produce upto 25 G/Hr of ozone in 95% purity of Oxygen as Input Gas)

Overcurrent Setting

- * After setting the desired power, rotate the Overcurrent ADJ in anticlockwise direction
- * Rotate thhe Trimpot until the Green LED glows. Indicates the Current threshold Limit
- * When the Green LED glows, the Ozone generation will be stopped. Again rotate in clockwise until ozone generation starts
- * Make the adjustments properly. The overcurrent adjustment is too narrow, Make the adjustments as much as slow and careful
- * Thats it. Based on the Proper settings the PCBA will safeguard itself from the failure

Minimal Configuration



Input Voltage	: 180 - 260 Vac, 50-60Hz
Power Consumption	: 250VA
Mounting	: Any Orientation (Horizontal or Vertical)
Operating Temperature	20 - 60 degree celsius
Fuse Rating	: 2A, Fast Acting Glass Fuse
Operating Frequency	: Low Frequency Range (30 Khz to 300 Khz)

Jumper Setting

- EXT
ADI
INT

Internal Power Adjustment Only
No External Adjustments can be Done in the Power Output
No need of External Potentiometer
- EXT
ADI
INT

External Power Adjustment
External Adjustments can be Done in the Power Output
Need of External Potentiometer (2K)

Itemref	V1	PCBA Manual	Article No.: 1	
Designed by: TI		Checked	Approved by - date - 14-09-2022	Scale 1:1
TESLACARE INNOVATIONS			No: 9, AMD Nagar extension, Rathinagiri Nagar, Vilankurichi, Coimbatore - 641035	Sheet 1/1
			Panel Diagram Ozone Skid 125G/Hr	Edition 0