

# My P3/P3+ interrupts while running a frequency. What should I do?

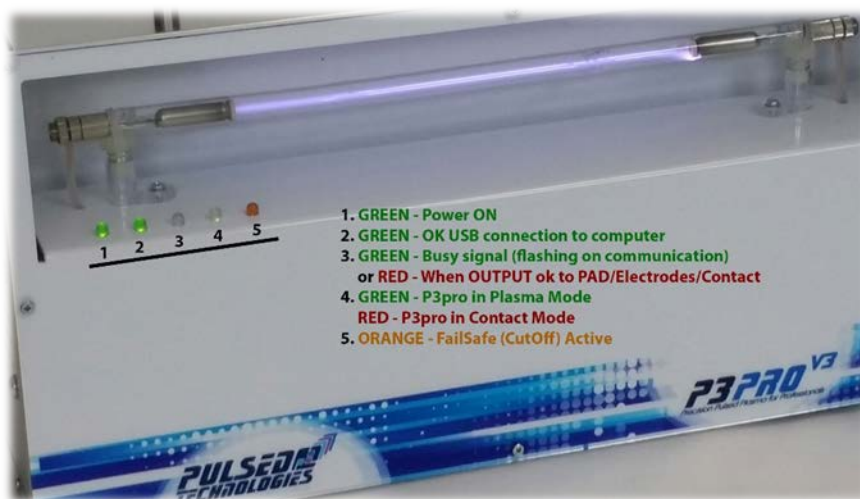
## Q&A – FailSafe System

- My P3/P3+ interrupts while running a frequency. What should I do?
- The most probable cause is the core overheating and there's an automatic fail safe system that turns off the unit to cool down.
- What can you do:
  - Assure the unit has proper ventilation and that the end caps are not covered.
  - Move it away from heat sources.
  - Adjust the offset (if your PFG device allows for programmable offset adjustment; PFG2X does not)
  - Change the waveform/function (square, ramp\_dn or other)



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Pulsed Technologies P3, P3+, and P3pro plasma instruments all incorporate “failsafe” circuitry into their design. This helps protect circuitry and critical drive components from damage when “pushed” beyond thermal ranges. The system temporarily shuts down the drive circuitry until the issue is corrected or adjusted. While in this protection state, a specific LED indicator is illuminated. Reset typically happens automatically.



Although beyond the scope of this question, meticulous waveform control is capable from the PFG Lab software to optimize and help prevent this overdrive/heat related issue from occurring.

Be sure to allow for proper ventilation and assure appropriate waveform is being used.

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