


View Single Post Thread: Kontronik Pyro700-52 and Castle Creations settings?

03-02-2012, 12:01 PM #6

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Join Date: May 2010
Location: Germany

i just found the formula in another forum!

Quote:

Steve from **Castle** Creation wrote:

I don't recommend Outrunner mode on helis so here is a formula that will allow you to figure the PWM for the various motor.

Motor KV x Nominal Voltage Used x Motor Pole Count / 20

If you come up with a number in-between settings such as 9,235 I would round down to 8k Low timing works well with these motors so you can start with that & check the temps.

If there not bad you can move up to normal but do a short flight & check the temp. Timing that's to high will cause hi heat.

Nominal volts 6s - 22.2, 12s - 44.4

This is actually the formula for figuring the commutation speed but it will work in finding the proper PWM

so the pyro 700-52 will be:
 $520 \times 44,4 (12s) \times 10 / 20 = 11.544 \rightarrow \text{PWM } 12$ (not 16 written before)

Velos 880, 800e Pro DFC, Mostro 700, Suzi Laos 800
RJX Xtreme 90EP, Outrage F50, Goblin 570KSE, Goblin 380

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