Frequency Converter Notes #1

When I test the unit, I test it in three ways. I use the night light for simple test. Does the primary and gating triggers work from the Spooky2! I test with a 100 watt bulb to insure everything is responsive over a wide range of frequencies. At a 50% duty cycle, the frequencies from sub zero to 30 KHz are checked to see they are working well. At 60% to 70% duty cycle I check from 30 KHz to 60 KHz to see that the triggers will work at higher frequencies. The third test is an endurance test with an electric blanket to insure it runs cool enough without tripping the safety temperature switch inside the unit. It runs 8 hours or better with a visual eye on the night light, to see it is on. A three way plug adapter is used to run both the night light and blanket at the same time. When everything checks, the Frequency Converter is ready to go out the door.

A few words on the turn knob control and meter; The turn knob is to give quick access to lowering or raising the temperature of an electric blanket, the intensity of an infrared light array, or a simple way to reduce or increase the power to a 'resistive' load. Before the knob, also known as a potentiometer, was added, power adjustments were done by going back to the Spooky2 and adjusting the duty cycle. The meter was added to give a way of recording settings of a previous used protocol. Most appliances run at a typical AC voltage of 110 to 120 volts here in the States. Running low voltage and running high voltage can cause flicker. Not a problem but it can wear out appliances faster if they are not running at their proper voltage setting. How much faster will they wear out? Who knows maybe a year faster or maybe never? The point is that running them at 130 volts or better is harder on them and running below 110 volts is typically easier on them.

When you get the Frequency Converter, go to www.aurorasky.net and download the Spooky2 presets that are being published. They will allow testing the unit under software control. Use them as starting points for some simple health protocols you might want to consider using. The 'Gating' trigger on the Frequency Converter is only for manual operation. The Spooky2 software provides software gating and you absolutely do not want to run manual gating at the same time. **So disconnect the wire from the Yellow Dotted input plug whenever running under software control**.

This should cover the basics. Enjoy, be well, and respectfully in friendship take care of yourself or a friend with your Version 1.03 Frequency Converter.