



2010 43QGP Allegro Bus

9/9/2011

26 – FYI - MAGNUM 2812 INVERTER AGS TRIVIA.

When the AGS has been set to automatically start the generator due to either a call (external input) for temperature control OR a call for battery charging based on the DC voltage setting. The TIME set in the **AGS 03 RUN TIME HOURS** controls the **EXACT** time the generator will automatically run. If the time has been set to .5 hours (30 minutes) the generator will shutdown after 30 minutes, if it is set for 6 hours the generator will run for 6 hours before shutting down.

The following scenario is based on setting the following parameters. The **AGS 04 Start Temp (F)** parameter has been set to Ext. Input, ANY ONE or ALL AC unit(s) have been turned ON and set to call for service at 80 degrees. The **AGS 05 Start Volts** parameter has been set to 12.2 volts. The **AGS 03 RUN TIME HOURS** parameter has been set for 2.0 hours.

IF the Magnum AGS remote control has a CALL/DEMAND for Air Conditioning based on the above settings the generator will immediately begin its start cycle based on that CALL/DEMAND. At this point the generator has been started and is running. The thermostat is LOCKED and displays 00 in the temperature window until a two minute delay has elapsed (this is part of the PCI shedding circuits program), the AC units, one or more will start based on a sequence which will allow ONLY one AC to start at a time. A short delay is programmed between the starting of each AC. At this point the generator is running, the AC's are running, the inverter charger has begun charging the house batteries.

ONE HOUR LATER, the temperature demand for all AC's has been met the AC's have shut down however the generator continues to run? The charger is charging the house batteries they may be in BULK or ADSORPTION charge it really does not matter because the RUN TIME HOURS were set for 2.0 hours. The generator is going to run until the time set in the AGS 03 RUN TIME HOURS has elapsed.

AT this point the Magnum AGS remote will LOOK at itself and ask do I have any active calls for temperature control or battery charging? IF the answer is **YES**, the AGS sequence starts over for another two hours.

IF there are no calls for AC or house battery charging the AGS system will **WAIT** until a call/demand has been received then start the AGS cycle.

The above information is based on the **AGS 01 Control** being **ENABLED**.