**Compressor Cycle Information**

Compressor Cycle is a closed loop algorithm which tries to mimimize error which is the difference between indoor and Remote Set Temperature.

As the Compressor Runs System Temperature Changes so the error changes, finally the error is supposed to be 0 and compressor frequency is

supposed to be minimized. There are two starting patterns with each lasting 120 sec. Only the second start pattern takes referance from error.

After then control is done by PID control loop.

Whenever user changes the set set temperature more or less then 2°C, at the next PID control update step control is taken by a constant algorithm

for a specific time in order to prevent overshoots which can lead the system to be unstable. At the control side(left side), compressor output is

expressed as step values, later then these steps are converted into frequency values which will be applied to the Motor driver.

Before applying the final output frequency to the motor driver there are several reliability algorithms that modify the control output in order to keep

reliability and to prevent any damage !!!

Compressor Cycle Related Files are :

Compressor Cycle Algorithm @ Compressor.h

Compressor Cycle Parameters @ Tables\_Comp.h

Compressor Cycle Variable's @ Structure.h

