

2103 - YCAV Simulator Exercises

1) With Power Off

- a) Verify # of Compressors Configuration Jumper
- b) Verify maximum HZ jumper setting for compressors
- c) Verify remote reset input jumpers are in “V” position
- d) Hook up Weightronix printer

2) With Power On

- a) Program unit using “Simulator Set Up Data” sheet
- b) Verify simulator panel settings and set points for analog/digital inputs
- c) Start simulators
 - i) Call for cooling
 - ii) Watch DC Bus Pre-Charge via VSD menu
 - iii) Bring both compressors to maximum speed
 - iv) Verify Volt Free Contacts output (observe lights)
 - v) Monitor IGBT base plate temperature
 - vi) Adjust Flash Tank Level – Observe reaction of Feed Valve
 - vii) Create a Load Limiting mode (suction, discharge, etc)
 - viii) Create a software diagnostic, allow auto reset, then cancel anti-recycle timer
 - (1) View History

- ix) Create then reset a hardware lock out
 - (1) High Oil Differential Pressure
 - (2) View History
- x) Cause speed changes
- xi) Lead-Lag compressors
- xii) Change set points remotely using remote input
- xiii) Print report
- d) Cycle off using System Switches
 - i) Observe DC bus bleed down, then confirm with voltmeter through VSD Logic Board, J3 pins 1 & 3
- 3) Turn Unit Switch Off
 - i) Enter Service Mode and force various outputs (confirm by observing lights on panel)
 - ii) Using Default Password, reset programmable values to factory defaults