



CENTRAVAC®
UCP2 SCHEMATIC WIRING CVHE, CVHF, CVHG
SOLID STATE INSIDE THE DELTA

Timing Diagram for 1000 Series Chiller Control Sequence

Legend:

- Blank:** Blank
- Restart (Hard):** Restart (Hard)
- Stop:** Stop
- Auto:** Auto
- Pre Lube:** Pre Lube
- Starter Time:** Starter Time

Key Events and Timing Intervals:

- Power Off / Power On:** 1 Second interval.
- Last Mode was Stop on power loss:** Event triggered by Power On.
- CHWP relay De-energized:** Event triggered by Power On.
- Chiller mode set to Auto:** Event triggered by Power On.
- CHWP relay Energized:** Event triggered by Power On.
- Call for Cooling or Heating:** Event triggered by Power On.
- Start Oil Pump:** Event triggered by Power On.
- Confirm 9 Paid Oil Press:** Event triggered by Power On.
- Chiller mode set to Stop:** Event triggered by Power On.
- 30 Sec Minimum:** Timing interval for the first 30 seconds after Power On.
- 50 Seconds:** Timing interval for the first 50 seconds after Power On.
- 2 Minutes - C/W/E/F:** Timing interval for the first 2 minutes after Power On.
- 30 Minutes:** Timing interval for the first 30 minutes after Power On.

Sequence of Events:

- Power Off
- Power On
- Last Mode was Stop on power loss
- CHWP relay De-energized
- Chiller mode set to Auto
- CHWP relay Energized
- Call for Cooling or Heating
- Start Oil Pump
- Confirm 9 Paid Oil Press
- Chiller mode set to Stop

- A rectangular safety warning label with a black border. At the top, it features a large black triangle with a white exclamation mark inside, followed by the word "WARNING" in bold, black, sans-serif capital letters. Below this, the text "HAZARDOUS VOLTAGE!" is written in bold, black, sans-serif capital letters. The main body of the label contains the following text in a smaller, black, sans-serif font: "DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.", "FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.", "AVERTISSEMENT", "VOLTAGE HAZARDEUX!", "DÉCONNECTEZ TOUTES LES SOURCES ALIMENTAIRES Y COMPRIS LES DÉCONNECTEURS SITUÉS À DISTANCE DU DISPOSITIF.", "LA NON-REPRÉSENTATION DE LA FAUTE DE DÉCONNECTER LA SOURCE ÉLECTRIQUE AVANT D'EFFECTUER L'ENTRAÎNE À LA RÉPARATION PEUT CAUSER DE SÉVÈRES BLESSURES CORPORELLES OU LA MORT.", "CAUTION", "USE COPPER CONDUCTORS ONLY.", "UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.", "FAILURE TO DO SO MAY CAUSE DAMAGE TO THE UNIT.", At the bottom, there is another large black triangle with a white exclamation mark inside, followed by the word "CAUTION" in bold, black, sans-serif capital letters.