



**MODEL – TITAN**

**YORK OM OPTIVIEW CONTROLS RETROFIT START-UP CHECKLIST**

\*TO: \_\_\_\_\_ JOB NAME: \_\_\_\_\_  
 \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 \_\_\_\_\_ CUSTOMER ORDER NO. \_\_\_\_\_

YORK TEL. NO. \_\_\_\_\_ YORK ORDER NO. \_\_\_\_\_ YORK CONTRACT NO. \_\_\_\_\_  
 CHILLER \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_  
 The work (as checked below) is in process and will be completed by \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
 Month Day Year

**A. GENERAL**

- Review the Pre-functional Checklist verifying work required has been completed.
- Chiller is charged with refrigerant.
- Chiller is charged with oil.
- Oil sump heaters have been energized for a minimum of 12 hours.
- Verify all operating valves are open and service valves to atmosphere are closed.
- Verify supply air and control air pressure is available.

**B. OPTIVIEW PANEL**

To assure access to all setpoints, login at SERVICE access level before beginning. The setpoints are grouped under the display screen in which they appear. The indented screens are subscreens of the numbered screens and are accessed from the numbered screens. If any of the setpoints have to be changed, use the standard programming procedures in the *Operating Instructions (Form 160.72-O1)*. Thresholds, values and calibrations of items marked with an asterisk "\*" are predetermined and entered/set at the YORK Factory at the time of manufacture.

**1. EVAPORATOR Screen**

Record the following setpoints:

Leaving Chilled Liquid Temp (except BAS remote mode).....   
 Leaving Chilled Liquid Temp Remote Range (except BAS remote mode).....

Leaving Chilled Liquid Temp Shutdown Temperature .....   
 Leaving Chilled Liquid Temp Shutdown Restart Temperature .....   
 Smart Freeze Protection On/Off .....   
 Refrigerant Temp Sensor Enable/Disable .....

**2. CONDENSER Screen**

Refrigerant Temp Sensor Enable/Disable .....

**REFRIGERANT LEVEL CONTROL Screen**

Record the following setpoints:

Control Valve Setpoint\* .....   
 Manual or Auto Control (as desired) .....

**3. COMPRESSOR Screen**

Select Pre-rotation Vanes Manual or Auto control Mode (as desired) .....

**HOT GAS BYPASS Screen:**

If chiller is equipped with optional Hot Gas Bypass, enable operation on the OPERATIONS Screen and record the following setpoints:

Maximum Open .....   
 Hold Period .....   
 Close Percentage .....   
 Minimum Load .....   
 Manual or Auto Control (as desired) .....

**INTERSTAGE VALVE Screen:**

If chiller is equipped with an optional Interstage Valve(s), enable operation on the OPERATIONS Screen and record the following setpoints:

Control Valve Setpoint\* .....

Manual or Auto Control (as desired) .....

**4. MOTOR Screen:**

Record the Current Limit Setpoint.....

**CM-2 board:**

- Verify Switch S1 (Ydelta/57% or all others) setting\*
- Verify Pot R16 (LRA/FLA ratio setting\*)
- Verify Slide Bar Resistor "RES" setting\*
- Verify 105% FLA calibration\*
- Verify 100% FLA display\*

**5. SETPOINTS Screen:**

With the exception of the Remote Analog Input Range the setpoints listed on the SETPOINTS Screen have already been programmed above on Previous Screens. The values shown reflect the previously programmed values. However, the setpoints listed here can be changed on this screen if desired. This screen is used primarily as a central location from which most setpoints can be programmed. If it is not desired to change any of the listed setpoints, proceed to the SETUP Screen below.

Remote Analog Input Range.....

**SETUP Screen:**

- Enable Clock
- Enter Clock time and Date
- Select 12 or 24 hour display mode

**OPERATIONS Screen:**

- Select desired control source (operating mode); LOCAL, BAS Remote, DIGITAL Remote or ANALOG Remote

**C. OPERATION**

- Check evaporator and condenser water flows are reasonably close to design (+/-10%)
- Confirm oil temperature is in standby range
- Manually run the oil pumps and check oil pressures
- Jog compressor and check for correct rotation (caution-insure compressor and gear has good oil pressure prior to jogging and Pre-rotation Vanes are closed as indicated by position of the control arm).
- Start chiller
- After the chiller has come up to full load at design leaving chilled water temperature, log chiller operation



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