



# START-UP CHECK LIST

## AMU Systems - Johnson Controls FX-14

MODEL TA \_\_\_\_\_  
 JOB NAME \_\_\_\_\_  
 JOB ADDRESS \_\_\_\_\_  
 INSTALLING CONTRACTOR \_\_\_\_\_  
 TECHNICIAN \_\_\_\_\_

SERIAL # \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_

### PRESTART CHECKS



- Supply Voltage
- L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_
- Motor FLA \_\_\_\_\_
- Installed Fuse/Breaker Size \_\_\_\_\_ Amps
- Control Voltage \_\_\_\_\_
- All Remote Wiring in Place
- All Terminal Connections Tight
- Blower Drive & Hardware Tight
- Inlet Gas Pipe Size \_\_\_\_\_ Inches
- Inlet Gas Pressure \_\_\_\_\_ ("wc) or (PSI)
- All Duct, Unit Accessories and Unit Joints Sealed

### OPERATIONAL CHECKS (cont.)



- VDC to Mod Gas Valve (VM-1) High Fire \_\_\_\_\_
- VDC to Mod Gas Valve (VM-1) High Fire \_\_\_\_\_
- Low Speed (if 2<sup>spd</sup>) \_\_\_\_\_
- Burner Modulates When Setpoint is Adjusted
- Accurate & Stable Discharge Temp. Control
- Unit Starts and Stops from Remote Switch (SW-2)
- Unit Starts and Stops from Time Clock\*
- Unit Starts and Stops from Unocc Setpoint\*

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 To Mail - Fold on Dotted Line and Seal  
 or FAX to 715 - 597 - 3620  
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### OPERATIONAL CHECKS



- Service Switches (SW-5 & SW-6)
- Low Temp Limit (Internal to Prog. Controller)
- Damper Actuator (DM-1)\*
- Actuator End Switch\*
- Motor Starter (ST-1)
- Motor Amp Draw -
- L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_
- Motor Amp Draw - Low Speed (if 2<sup>spd</sup>)
- L1 \_\_\_\_\_ L2 \_\_\_\_\_ L3 \_\_\_\_\_
- Air Flow Switches (P-1 & P-1A)
- Burner Profile Air Press. Drop - \_\_\_\_\_ "wc
- Burner Profile Air Press. Drop - Low Spd. \_\_\_\_\_ "wc
- Inlet Duct Stat (Internal to Prog. Controller)
- High Temp Limit (TL-1)
- Low Gas Press Switch (P-2)\*
- High Gas Press Switch (P-3)
- Flame Safeguard Signal (FS-1)
- Pilot \_\_\_\_\_ VDC    Low Fire \_\_\_\_\_ VDC
- Flame Safeguard Trips (FS-1)
- Gas Manifold Pressure
- Burner Off \_\_\_\_\_ "wc
- Burner at High Fire \_\_\_\_\_ "wc
- Burner at High Fire (if 2<sup>spd</sup>) \_\_\_\_\_ "wc

### CONTROL SETTINGS



- Low Temperature Limit
- Time - **3 Minutes**    Temperature \_\_\_\_\_ °F
- Motor Overload \_\_\_\_\_ Amps
- Inlet Duct Stat \_\_\_\_\_ °F
- High Temperature Limit (TL-1) \_\_\_\_\_ **185°F**
- Low Gas Press Switch (P-2)\* \_\_\_\_\_ "wc
- High Gas Press Switch (P-3) \_\_\_\_\_ "wc
- Temperature Control
- Discharge Setpoint (MUI-1) \_\_\_\_\_ °F
- Room Override Stat Setting (MUI-1)\* \_\_\_\_\_ °F
- Time Clock Programmed (Optional)\*
- Unocc Stat Setting (MUI-1)\* \_\_\_\_\_ °F

### Additional Comments or Notes:

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\* = Optional control, may not apply to all equipment.