



START-UP CHECK LIST

AR/80 Systems - Johnson Controls FX-14 AR/80

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.)



- OA Damper Modulation - Runs Full Stroke
- From Building Pressure Control (FX-14)
- OA Damper Position on Shut Down _____
- RA Damper Position on Shut Down _____
- Unit Starts and Stops from Time Clock
- Max ANSI Discharge Setpoint at Max OA _____ °F
- Max ANSI Discharge Setpoint at Min OA _____ °F
- Temp. Controller Provides Stable Discharge Temp.
- Stable Burner Pressure Drop Control as OA Varies

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 or FAX to 715 - 597 - 3620

OPERATIONAL CHECKS



- Service Switches (SW-5 & SW-6)
- Low Temp Limit (FX-14)
- Damper Actuator (DM-1)*
- Actuator End Switch*
- Motor Starter (ST-1)
- Motor Amp Draw - 100% OA
- L1 _____ L2 _____ L3 _____
- Motor Amp Draw - Minimum OA
- L1 _____ L2 _____ L3 _____
- Air Flow Switches (P-1 & P-1A)
- Burner Profile Air Press. Drop - 100% OA _____ "wc
- Burner Profile Air Press. Drop - Min. OA _____ "wc
- Inlet Duct Stat (FX-14)
- 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 - 100 % OA _____ "wc
- VDC to Mod Gas Valve (V-5) - High Fire _____

CONTROL SETTINGS



- Low Temperature Limit (FX-14)
- Time - **3 Minutes** Temperature _____ °F
- Motor Overload _____ Amps
- Warm Weather Burner Shutdown (FX-14) _____ °F
- High Temperature Limit (TL-1) **185°F**
- Low Gas Press Switch (P-2)* _____ "wc
- High Gas Press Switch (P-3) _____ "wc
- FX-14 Interface Settings (some may not apply)
- Max Discharge Temp _____ °F
- Offset Occ. Room SP to Min DTSP _____ °F
- Occ. Room Temp Setpoint _____ °F
- Unocc. Room Temp Setpoint _____ °F
- Discharge Temp Setpoint _____ °F

Additional Comments or Notes:

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