



Shake Shack (Oak Lawn, IL) - Commissioning

CheckList Information

| | | | |
|----------------------------------|--------------|-----------------|--------------|
| Name : | RTU-DINING | Status : | NotSubmitted |
| Assigned Organization : | National TAB | Asset : | |
| Requesting Organization : | National TAB | | |

CheckList Item Details

THERMOSTAT PROGRAMMING AND CALIBRATION

| | |
|--|--|
| Occupied Time | |
| Occupied Heat setpoint - Cooling Setpoint - Dehumidification Setpoint | |
| Unoccupied Time | |
| Unoccupied Heat Setpoint - Cooling Setpoint - Dehumidification Setpoint | |
| Space Sensor (TSTAT) Temp and RH reading / Commissioning Agent Space Temp and RH reading | |

CONTROL WIRING VALIDATION

| | |
|--|------|
| Enthalpy sensor wired | Pass |
| Enthalpy sensor operational | Pass |
| Occupied stat wired correctly | Pass |
| Thermostat Wired correctly (R,C,Y1,Y2,W1,W2) | Pass |
| Humidity Sensor Wired correctly | Pass |

CALIBRATION & PROGRAMMING

| | |
|---|--|
| Local Weather Data Temperature | 82 deg. F |
| RTU-Honeywell Control OAT-RH% / Commissioning Agent OAT-RH% | Occupied : (Pass) Control :(Pass) |
| Comment | 74 deg F - 54% / 81.2 deg F - 56% (DB temp -7.2 degrees off calibration) |
| RTU-Honeywell MAT / Commissioning Agent MAT-RH%. | Occupied : (Pass) Control :(Pass) |
| Comment | 57.6 deg F - / 73.2 deg F. - 59.8% (DB temp -15.6 degrees off calibration) |

| | |
|---|---|
| Commissioning Agent RAT-RH% | Occupied : (Pass) Control :(Pass) |
| Comment | 70.2 deg F - 61% |
| Stage 1 cooling Commissioning Agent SAT-RH% | Occupied : (Pass) Control :(Pass) |
| Comment | 64.3 deg F. / 73.3% RH: Fan Low Spd, Stage 1 cooling, 51% OA damper |
| Stage 2 cooling Commissioning Agent SAT-RH% | Occupied : (Pass) Control :(Pass) |
| Comment | 56.8 deg F. - 88.1% RH: Fan High Spd, Stage 2 cooling, 39% OA damper |
| Dehumidification Commissioning Agent SAT-RH% (DX coil) | Occupied : (Pass) Control :(Pass) |
| Comment | 62.7 deg F. - 90.1% RH: Fan High Spd, Stage 1 cooling, Stage 1 heating, 39% OA damper |
| Dehumidification Commissioning Agent SAT-RH% (diffuser) | Occupied : (Pass) Control :(Pass) |
| Comment | |
| Confirm proper dehumidification sequence of operation | Occupied : (Pass) Control :(Pass) |
| Comment | 2nd stage high cooling - Dehumidification - 1st stage low cooling |
| Record the enthalpy free cooling setpoint for the RTU | Honeywell - Enthalpy Curve setpoint: E5 |

OUTDOOR AIR / RELIEF DAMPER

Open Free cooling and confirm OA damper opens 100% RA air damper closes 0% and relief fan energizes

Record the space pressure with RTU in free cooling

OCCUPANCY VALIDATION

Place the thermostat in "unoccupied" - Does the OA damper close fully

Place the thermostat in "Occupied" - Does the OA damper open to the TAB minimum position