



Shake Shack (Oak Lawn, IL) - Commissioning

CheckList Information

Name : (FPT) RTU-Kitchen **Status :** NotSubmitted
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB

CheckList Item Details

THERMOSTAT PROGRAMMING AND CALIBRATION

Occupied Time	6:00 AM
Occupied Heat setpoint - Cooling Setpoint	68 degree F Heating - 72 degree F cooling
Unoccupied Time	12:00 AM (Midnight)
Unoccupied Heat Setpoint - Cooling Setpoint	63 degree F Heating - 77 degree F cooling
Global Settings:	System set to "auto", Fan "follow schedule", Dehumidification set to 60%
Space Sensor (TSTAT) Temp and RH reading / Commissioning Agent Space Temp and RH reading	Space Sensor: 72 DEG - 61% RH / CxA READINGS: 70.0 DEG F - 60.5% RH. (+ 2 deg F above calibration / + 0.5 % RH above calibration)

CONTROL WIRING VALIDATION

Thermostat hard wired or wireless communication active	Occupied : (Pass) Control :(Pass)
Comment	RTU has EIM board for wireless connectivity to thermostat
Outdoor Air Temperature and Humidity Sensor Installed	Pass
Return Air Temperature and Humidity Sensor Installed	Fail
MAT (supply Air) Temperature sensor Installed	Pass
Occupancy change over operational	Pass
Call for all stages of heating and cooling working properly	Pass
Humidity sensor from space actively calling for dehumidification	Pass

CALIBRATION & PROGRAMMING

Local Weather Data Temperature	82 degrees
RTU-Honeywell Control OAT-RH% / Commissioning Agent OAT-RH%	Occupied : (Pass) Control :(Pass) 85.4 deg - 60% RH : 86.3 deg - 60% RH
Comment	
RTU-Honeywell MAT / Commissioning Agent MAT- RH%.	Occupied : (Fail) Control :(Fail) None : 74.8 deg - 63.2% RH (sensor out of calibration)
Comment	
RTU-Honeywell RAT / Commissioning Agent RAT- RH%	Occupied : (Fail) Control :(Fail) None : 70.4 deg - 65.2% RH (spec calls for return air temp sensing)
Comment	
Honeywell MAT (supply air temperature sensor)	Occupied : (Fail) Control :(Fail)
Comment	58.8 Deg (second stage cooling)
Stage 1 cooling Commissioning Agent SAT-RH%	Occupied : (Pass) Control :(Pass)
Comment	62.1 deg - 64.5% RH
Stage 2 cooling Commissioning Agent SAT-RH%	Occupied : (Pass) Control :(Pass)
Comment	57.2 Deg - 87.3% RH
Dehumidification Commissioning Agent SAT-RH% (DX coil)	Occupied : (Fail) Control :(Fail) 73.5 deg - 87.7% RH
Comment	
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	
Record the enthalpy free cooling setpoint for the RTU	Enthalpy Curve set to E5
Low Temp Lockout Temperature	32 deg F
MAT setpoint (supply air temperature)	53 deg F
Min Pos High	3.65 v setpoint established during TAB. OA readings are within 5% of TAB report
Exh 1 Low set	5.05 v setpoint established during TAB. OA readings are within 5% of TAB report
Exh 1 High set	50%
Min Pos Low	65%

OCCUPANCY VALIDATION

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

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