















March 2012

Back²Basics

Solution

Based on Cx-3 ATC/FPT software

Energy Retro-CX Airside - New ERU and DOAS Application				Mode:		On-100% Occupancy & Max Heating		On-50% Occupancy-Normal Heating		On-100% Airside Economizer	
				Status:		1		2		3	
Device	Tag	Description	Reaction	Status	Result	Status	Result	Status	Result		
	BAS Computer	BAS Interface	Monitoring Normal power Emergency power Alarm indication Occupied cycle Unoccupied cycle	X X X	Pass/Fail Pass/Fail Pass/Fail	X X X	Pass/Fail Pass/Fail Pass/Fail	X X X	Pass/Fail Pass/Fail Pass/Fail		
	D-1	Two-Position OA Damper	Closed Open	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	SAF-1	Supply Air Fan	On Off Modulating	X	Pass/Fail	X X	Pass/Fail Pass/Fail	X	Pass/Fail		
	F-1 DOAS	Filter Differential Pressure	No signal Monitoring High static filter	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	UV-Typ	Typical Unit Ventilator	On Off	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	CC-1	Cooling Coil With Two-way ATC Valve	Closed Open Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	PHC-1	Pre-Heating Coil With Two-way ATC Valve	Closed Open Modulating	X	Pass/Fail	X X	Pass/Fail Pass/Fail	X	Pass/Fail		
	RHC-1	Reheating Coil With Two-way ATC Valve	Closed Open Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	ERC-DOAS	Energy Recovery Coil	No flow Full flow	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	CHWP-1	CHW Pump VFD	On Off Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	ERSP-1	Energy Recovery System Pump VFD	On Off Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	HWP-1	HW Pump VFD	On Off Modulating	X	Pass/Fail	X X	Pass/Fail Pass/Fail	X	Pass/Fail		
	OAT	OA Temperature Transmitter	No signal Monitoring Alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	SD-1	Smoke Detector	No signal Monitoring Alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		