














# September 2012

# Back<sup>2</sup>Basics

## Solution

Based on Cx-3 ATC/FPT software

Energy Retro-CX - HW&DHW System Application				Mode:		On-Fall Safe		On-Maximum Winter Heating		On-Normal Summer Heating	
				Status:		1		2		3	
Device	Tag	Description	Reaction	Status	Result	Status	Result	Status	Result		
	BAS Computer	em	Monitoring Normal power Emergency power Alarm indication	X X	Pass/Fail Pass/Fail	X X	Pass/Fail Pass/Fail	X X	Pass/Fail Pass/Fail		
	B-1	Boiler	Off On Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	MV-1	Domestic HWS mixing valve	Modulating 100% flow through 100% bypass	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	V-1 (Typical)	Terminal heating unit ATC valve	Closed Open Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	P-1	Building heat pump	Off On Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	P-2	Domestic HW pump	Off On Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	P-3	Solar heat pump	Off On Modulating	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	ST-1	Solar tank temperature transmitter	No signal Monitoring Alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	ST-2	Solar panel temperature transmitter	No signal Monitoring Alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	TT-3	Domestic HWS temperature transmitter	No signal Monitoring In alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	Room Thermostat-typical	Room thermostat-typical	No signal Monitoring In alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	TT-1	HWS temperature transmitter	No signal Monitoring In alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		
	ST-2	Domestic HW tank temperature transmitter	No signal Monitoring In alarm	X	Pass/Fail	X	Pass/Fail	X	Pass/Fail		