

Menu Path	Parameter Number	Default Value	Units	Options
General Settings	Language	English		
	Unit Type	Imperial		
	Date & Time	Date	dd-mm-year	
		Time	0:00	
Time Zone Settings	Time Zone Correction	UTC		
	Daylight Savings Time	Disabled		
Display Settings	Time Notation	24H		
	Date Order	DMY		
Cascade Mode		Full		
Other Settings	Modbus Address	1		Never Change
	Modbus Stop bits	2		Never Change
	Startup Settings	Default		

Menu Path	Parameter Number	Parameter Name	Default Value	Units	Options
Boiler Settings	1	CH Mode	0		0 Local Setpoint Control
Must Enter Password					1 Outdoor Air Reset with Night Setback
"0300"					2 Full Outdoor Air Reset Control
					3 Permanent Heat Demand
					4 0-10V Setpoint Control
	3	CH Setpoint	158	Deg F	
	109	Calc. Setp. Offset	0	Deg F	
	110	CH Min Setpoint	86	Deg F	
	111	CH Max Setpoint	176	Deg F	
	5	Boiler Pump Overrun	60	Secs	
	6	Flue Temp Limit	212	Deg F	
	7	CH Hysteresis Up	36	Deg F	
	112	Ch Hysteresis Down	9	Deg F	
	9	Anti Cycle Period	120	Secs	
	10	Anti Cycle Temp Diff	29	Deg F	
	12	Hx Diff Temp Max	72	Deg F	
	13	Hx Diff Max Wait Time	30	Secs	
	14	Max Power CH	100	%	
	15	Min Power CH	1	%	
	16	CH PID P	100		
	17	CH PID I	250		
	18	CH PID D	0		
	19	Design Supply Temp	176	Deg F	
	20	Design Outdoor Temp	32	Deg F	
	21	Baseline Supply Temp	104	Deg F	
	22	Baseline Outdoor Temp	68	Deg F	
	23	Design Supply Min Limit	86	Deg F	
	24	Design Supply Max Limit	176	Deg F	
	25	Warm Weather Shutdown	72	Deg F	
	26	Boost Temp Increment	0	Deg F	
	27	Boost Time Delay	20	Min	
	28	Night Setback Temp	18	Deg F	
	35	DHW Mode	0		0 Disabled
					1 Tank + Sensor
					2 Tank + Thermostat
					3 - 8 N.A.
	113	Max Power DHW	100	%	
	114	Min Power DHW	1	%	
	36	DHW Tank Hyst Down	9	Deg F	
	37	DHW Tank Hyst Up	9	Deg F	
	38	DHW Tank Supply Extra	27	Deg F	
	39	DHW Tank Supp Hyst Dn	9	Deg F	
	40	DHW Tank Supp Hyst Up	9	Deg F	
	41	DHW Tank Hold Warm	9	Deg F	
	42	DHW Priority	On		On DHW
					Off CH
					Time
					Parallel
	43	DHW Max Priority Time	30	Min	
	44	DHW Pump Overrun	60	Secs	
	45	DHW Tank PID P	100		

		46	DHW Tank PID I	500			
		47	DHW Tank PID D	0			
		48	DHW Tank Setpoint	122	Deg F		
		115	DHW Store Setpoint	135	Deg F		
		49	DHW Hysteresis Down	7.2	Deg F		
		50	DHW Hysteresis UP	7.2	Deg F		
		51	DHW Instant PID P	100			
		52	DHW Instant PID I	160			
		53	DHW Instant PID D	0			
		60	Flow Rate Start	1.4	l/min		
		61	Flow rate Lo Temp Pwr	1.4	l/min		
		62	Flow Rate Hi Temp Pwr	1.4	l/min		
		63	DHW on off Period	30	Secs		
		64	Pre Heat Mode	Off		Off	
						Comfort	
						Eco	
						Anti-Fr	
		65	PreHeat Eco Setpoint	86	Deg F		
		67	PreHeat After Tap Hld Time	30	Secs		
		68	After Tap Hold Time	120	Secs		
		69	PreHeat Hyst Down	9	Deg F		
		70	PreHeat Hyst Up	0	Deg F		
		71	PreHeat Delay Time	10	Secs		
		92	Fan Speed Maximum	6900	RPM		
		93	Fan Speed Minimum	1900	RPM		
		94	Fan Speed Ignition	4400	RPM		
		116	Prog Input 1	3		0	Disabled
						1	Water Pressure Sensor
						2	CH flow switch
						3	Flue Pressure Switch
		117	Prog Input 2	3		0	Disabled
						1	DHW flow sensor
						2	DHW Flow switch
						3	CH flow sensor
		118	Prog Input 3	Managing 2 Dep 0		0	Disabled
						1	Drain Switch
						2	Gas Pressure Switch
		120	Prog Input 5	1		0	Disabled
						1	T_Return Sensor
						2	Extern Switch
		121	Prog Input 6	1		0	Disabled
						1	T_Flue Sensor
						2	Flue Switch
						3	APS Switch
		122	Prog Input 7	Managing 3 Dep 5		0	Disabled
						1	T_Flue_2 Sensor
						2	T_Flue_2 + BI Flue
						3	T_system sensor
						4	Blocked flue switch
						5	Cascade Sensor
		123	Prog Input 8	Managing 2 Dep 0		0	Disabled
						1	T_DCW sensor
						2	Water pressue switch
		124	Prog Input RT	1		0	Disabled
						1	Enabled
		125	Prog Output 1	2		0	Disabled
						2	CH Pump
		126	Prog Output 2	14		0	Disabled
						14	Alarm Output
		127	Prog Output 3	0		0	Disabled
						10	Combustion Air Damper
		128	Prog Output 4	3		0	Disabled
						1	General Pump
						2	CH Pump
						3	DHW Pump
						4	System Pump
		129	Flow Sensor	Huba DN25			
		130	Flow Scaling Factor	3.2	rpm/l		
		131	Min Pressure	1.5	PSI		
		132	Pressure Fill Hyst	7.3	PSI		
		133	Mod Pump dT	27	Deg F		

		134	Mod Pump Start Time	120	Secs		
		135	Mod Pump Type	Wilo Yonos			
		136	Mod Pump Mode	on/off			
		137	Mod Pump Min Power	40	%		
		138	Appliance Type	50			
		139	DeAir Active	NO		No	Deair disabled
						Yes	Deair runs on power up
		140	Minimal Flow	50	l/min		
		107	Antilegionella Day	Sun	Days		
		108	Antilegionella Hour	0	Hour		
		183	High Limit Test	Simulated		Simulated	Tests Electrical Circuit
						Physical	Contact Factory
	Module Cascade Settings	72	Permit Emergency Mode	Yes			
	Internal sequencing	74	Emergency Setpoint	158	Deg F		
	of modules	75	Delay Per Start Next Dep	120	Secs		
		76	Delay Per Stop Next Dep	30	Secs		
		142	Delay Quick Start Next	60	Secs		
		143	Delay Quick Stop Next	15	Secs		
		77	Hyst Down Start Module	9	Deg F		
		78	Hyst Up Stop Module	7.2	Deg F		
		144	Hyst Down Quick Start	18	Deg F		
		145	Hyst Up Quick Stop	10.8	Deg F		
		146	Hyst up Stop All	14.4	Deg F		
		147	Number of Units inside Cabinet	8			Set to number of Modules in Boiler
		148	Power mode	2		0	Disabled
						1	Min Burners
						2	Max Burners
						3	Balanced Burners
		79	Max Setp Offset Down	0	Deg F		
		80	Max Setp Offset Up	36	Deg F		
		81	Start Mod Delay Fact	60	Min		
		82	Next Module Start Rate	80	%		
		83	Next Module Stop Rate	25	%		
		84	Module Rotation Interval	5	Days		
		149	First Module To Start	1			value depends on actual rotation
		86	PID P	50			
		87	PID I	500			
		150	PID Slew Rate Up	1			
		151	Casc PID Slew Rate Dn	1			
		152	PwrMode 2 Min Power	20	%		
		153	PwrMode 2 Hysteresis	40	%		
		154	Post-Pump Period	30	Secs		
		155	Frost Protection	59	Deg F		
	Boiler Cascade Settings	73	Boiler Address	1		0	Stand-alone
	Used when multiple					1	Managing (DEFAULT)
	boiler cabinets are					2 - 8	Dependent
	wired in cascade	153	Permit Emergency Mode	Yes			
		157	Emergency Setpoint	158	Deg F		
		158	Delay Per Start Next Blr	1275	Secs		
		159	Delay Per Stop Next Blr	1275	Secs		
		160	Delay Quick Start Next	400	Secs		
		161	Delay Quick Stop Next	240	Secs		
		162	Hyst Down Start Boiler	9	Deg F		
		163	Hyst Up Stop Boiler	9	Deg F		
		164	Hyst Down Quick Start	18	Deg F		
		165	Hyst Up Quick Stop	7.2	Deg F		
		166	Hyst up Stop All	14.4	Deg F		
		167	Number of Boilers	1			Must be set on Managing Boiler
		168	Power mode	2		0	Disabled
						2	Max Boilers
						3	Balanced Boilers
		169	Max Setp Offset Down	0	Deg F		
		170	Max Setp Offset Up	36	Deg F		
		171	Start Mod Delay Fact	20	Min		
		172	Next Boiler Start Rate	80	%		
		173	Next Boiler Stop Rate	25	%		
		174	Boiler Rotation Interval	5	Days		Set to 0 for single boiler jobs
		175	First Boiler To Start	1			value depends on actual rotation
		176	PID P	25			
		177	PID I	1000			

		178	PID Slew Rate Up	1			
		179	PID Slew Rate Dn	1			
		180	PwrMode2 Min Power	20	%		
		181	PwrMode2 Hysteresis	40	%		
		182	Post-Pump Period	30	Secs		