

Gateway Data Points

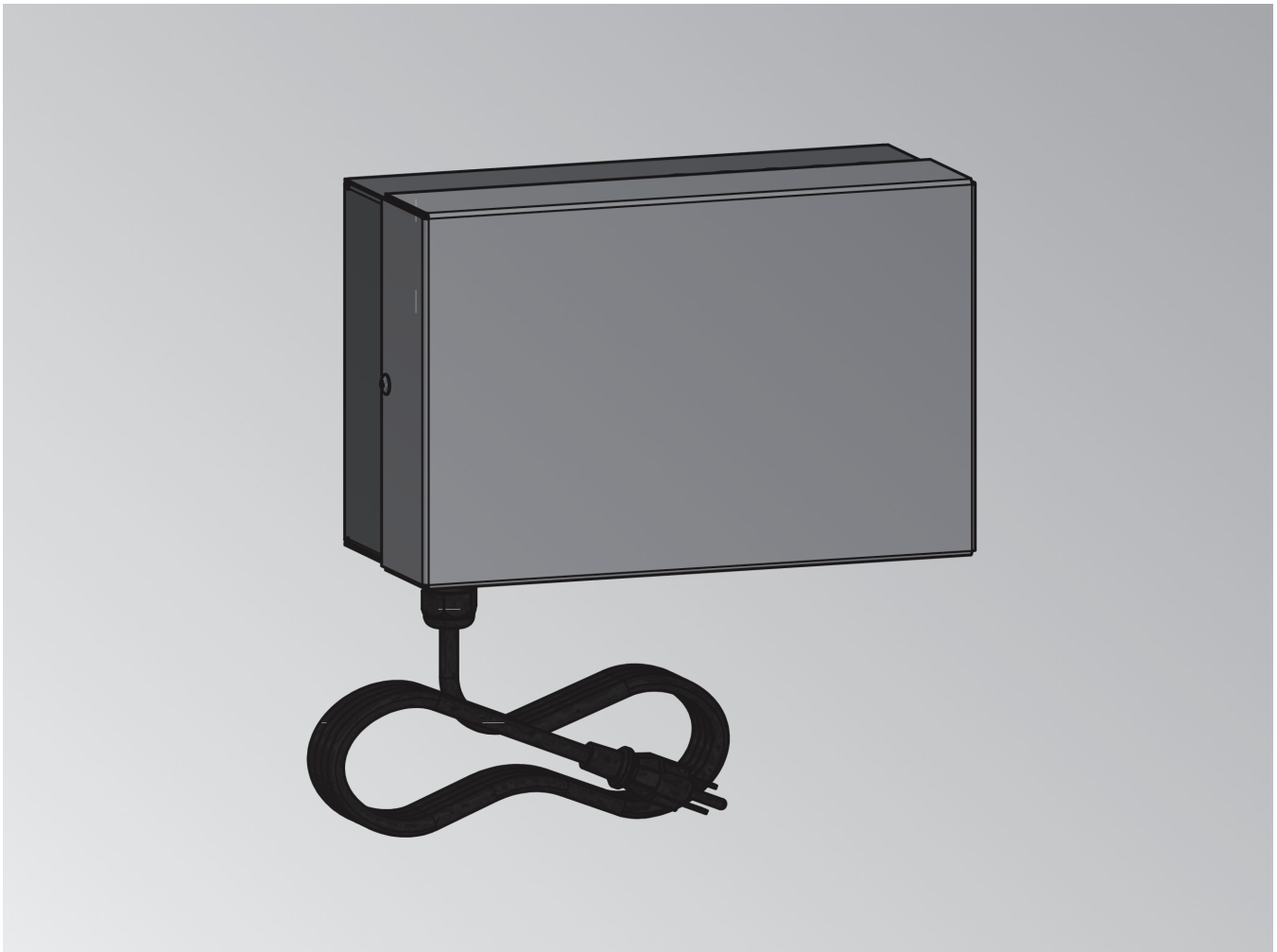
for use by heating contractor



Communication to a building management system

For use with: **Vitodens 200-W B2HE boilers**

WAGO GATEWAY



Data point Modbus TCP/RTU

For WAGO MB/TCP gateway and WAGO MB/RTU gateway in conjunction with Vitodens 200-W

Data point BACnet/IP

For WAGO BACnet/IP gateway in conjunction with Vitodens 200-W

Product may not be exactly as shown

IMPORTANT

**Read and save these instructions
for future reference.**

Modbus and BACnet Data Point List

Data points

Meaning "Access":

■ Read only access: R

■ Read and write access: R/W

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Gateway automation									
Connection to the boiler	0: No connection 1: Connection active	R	/	ST-10009	BI-1	Shows the connection to the boiler	X	X	X
External demand									
Burner modulation, target value	0 to 100%	R/W	525	HO -40001	AV-1	External setpoint specification for the modulation of the boiler in percentages	X	--	--
Target supply temperature	68 to 260°F (20 to 127°C)	R/W	1604	HO -40002	AV-2	External specification for the target supply temp. of the boiler	X	X	--
External demand	0: External demand: No connection 1: DIO module connection is being established 2: BACnet connection is being established 3: KNX connection is being established 4: Modbus connection is being established 5: EEBus connection is being established 6: Plug connection is being established	R/W	921.0	HO -40003	MV-1	Selection of the requesting system	X	X	--
External demand: Status	0: External demand: No connection 1: DIO module connection is being established 2: BACnet connection is being established 3: KNX connection is being established 4: Modbus connection is being established 5: EEBus connection is being established 6: Plug connection is being established	R	921.1	IN-30001	MI-1	Indicates the status of the external demand	X	X	--
Target DHW temp.	50 to 203°F (10 to 95°C)	R/W	1167	HO-40004	AV-3	External specification for the target domestic hot water temperature	X	X	--
Domestic hot water operating program: Target	0: Internal target value 1: OFF 2: ON 3: Target supply temperature 4: Target boiler modulation	R/W	538.0	HO-40005	MV-2	External target for the DHW heating operating program	X	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
External demand <i>(continued)</i>									
Domestic hot water operating program: Actual	0: Internal target value 1: OFF 2: ON 3: Target supply temperature 4: Target boiler modulation	R	538.1	IN-30002	MI-2	Current operating program of the DHW heating	X	--	--
Boiler operating program: Target	0: Internal target value 1: Target boiler modulation 2: Target supply temperature 3: Target supply temperature exclusive 4: Locked	R/W	1605.0	HO-40006	MV-3	External target for the heating mode operating program	X	X	--
Boiler operating program: Actual	0: Internal target value 1: Target boiler modulation 2: Target supply temperature 3: Target supply temperature exclusive 4: Locked	R	1605.1	IN-30003	MI-3	Current operating program in heating mode	X	X	--
Heating circuit 1 target	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R/W	537.0	HO-40007	MV-4	Heating circuit 1: External target for the operating program in heating mode	X	X	--
Heating circuit 1 actual	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R	537.1	IN-30004	MI-4	Heating circuit 1: Current operating program in heating mode	X	X	--
Heating circuit 1: Target temp.	68 to 260°F (20 to 127°C) (target supply temperature) 37 to 98°F (3 to 37°C) (target room temperature)	R/W	1627.0	HO-40008	AV-4	Heating circuit 1: External specification of the set supply temp. during external demand	X	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
External demand <i>(continued)</i>									
Heating circuit 2 target	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R/W	1612.0	HO-40009	MV-5	Heating circuit 2: External target for the operating program in heating mode	X	X	--
Heating circuit 2 actual	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R	1612.1	IN-30005	MI-5	Heating circuit 2: Current operating program in heating mode	X	X	--
Heating circuit 2: Target temp.	68 to 260°F (20 to 127°C) (target supply temperature) 37 to 98°F (3 to 37°C) (target room temperature)	R/W	1628.0	HO-40010	AV-5	Heating circuit 2: External specification of the set supply temp. during external demand	X	X	--
Heating circuit 3 target	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R/W	1613.0	HO-40011	MV-6	Heating circuit 3: External target for the operating program in heating mode	X	X	--
Heating circuit 3 actual	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R	1613.1	IN-30006	MI-6	Heating circuit 3: Current operating program in heating mode	X	X	--
Heating circuit 3: Target temp.	68 to 260°F (20 to 127°C) (target supply temperature) 37 to 98°F (3 to 37°C) (target room temp.)	R/W	1629.0	HO-40012	AV-6	Heating circuit 3: Current operating program in heating mode	X	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
External demand <i>(continued)</i>									
Heating circuit 4 target	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R/W	1614.0	HO-40013	MV-7	Heating circuit 4: External specification of the set supply temp. during external demand	X	X	--
Heating circuit 4 actual	0: None 1: Off 2: Reduced 3: Normal 4: Comfort 5: Target supply temperature 6: Target room temperature	R	1614.1	IN-30007	MI-7	Heating circuit 4: External target for the operating program in heating mode	X	X	--
Heating circuit 4: Target temp.	68 to 260°F (20 to 127°C) (target supply temperature) 37 to 98°F (3 to 37°C) (target room temperature)	R/W	1630.0	HO-40014	AV-7	Heating circuit 4: Current operating program in heating mode	X	X	--
Appliance operation									
Supply temperature	32 to 260°F (0 to 127°C)	R	268.0	IN-30008	AI-1	Indicates the actual supply temperature in the primary circuit downstream from the boiler.	X	X	X
Outside temperature	-67 to +140°F (-55 to +60°C)	R	274.0	IN-30009	AI-2	Indicates the outside temperature.	X	X	--
Flue gas temperature	32 to 482°F (0 to 250°C)	R	331.0	IN-30011	AI-4	Indicates the flue gas temperature, measured at the chimney inlet.	X	X	X
Primary circuit pump, target speed	0 to 100%	R	381.2	IN-30012	AI-5	Indicates the pump in the primary circuit.	X	X	X
Thermal output	0 to 32 kW (0 to 109 MBH)	R	1190	IN-30013	AI-6	Indicates the current thermal output of the system in kW.	X	X	X
Boiler target modulation value	0 to 100%	R	524.0	IN-30125	AI-89	Indicates the target value of the boiler's modulation.	X	X	X

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Appliance operation <i>(continued)</i>									
Type of demand	0: None 1: Temperature demand 2: Modulation demand	R	2353.0	IN-30134	MI-13	Indicates the type of target demand on the boiler	X	X	X
Temperature demand	32 to 260°F (0 to 127°C)	R	2353.1	IN-30135	AI-95	Target demand of the boiler in °C	X	X	X
Modulation demand	0 to 100%	R	2353.2	IN-30136	AI-96	Target demand of the boiler in %	--	X	X
Boiler: Boiler 1 sequence	1 to 16	R	2450.0	IN-30137	AI-97	Indicates the current switch-on and switch-off sequence of boiler 1 in the cascade	--	X	--
Boiler: Boiler 2 sequence	1 to 16	R	2450.1	IN-30138	AI-98	Indicates the current switch-on and switch-off sequence of boiler 2 in the cascade	--	X	--
Boiler: Boiler 3 sequence	1 to 16	R	2450.2	IN-30139	AI-99	Indicates the current switch-on and switch-off sequence of boiler 3 in the cascade	--	X	--
Boiler: Boiler 4 sequence	1 to 16	R	2450.3	IN-30140	AI-100	Indicates the current switch-on and switch-off sequence of boiler 4 in the cascade	--	X	--
Boiler: Boiler 5 sequence	1 to 16	R	2450.4	IN-30141	AI-101	Indicates the current switch-on and switch-off sequence of boiler 5 in the cascade	--	X	--
Boiler: Boiler 6 sequence	1 to 16	R	2450.5	IN-30142	AI-102	Indicates the current switch-on and switch-off sequence of boiler 6 in the cascade	--	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Appliance operation <i>(continued)</i>									
Boiler: Boiler 7 sequence	1 to 16	R	2450.6	IN-30143	AI-103	Indicates the current switch-on and switch-off sequence of boiler 7 in the cascade	X	X	X
Boiler: Boiler 8 sequence	1 to 16	R	2450.7	IN-30144	AI-104	Indicates the current switch-on and switch-off sequence of boiler 8 in the cascade	X	X	X
Boiler: Boiler 9 sequence	1 to 16	R	2450.8	IN-30145	AI-105	Indicates the current switch-on and switch-off sequence of boiler 9 in the cascade	--	X	X
Boiler: Boiler 10 sequence	1 to 16	R	2450.9	IN-30146	AI-106	Indicates the current switch-on and switch-off sequence of boiler 10 in the cascade	--	X	--
Boiler: Boiler 11 sequence	1 to 16	R	2450.1 0	IN-30147	AI-107	Indicates the current switch-on and switch-off sequence of boiler 11 in the cascade	--	X	--
Boiler: Boiler 12 sequence	1 to 16	R	2450.1 1	IN-30148	AI-108	Indicates the current switch-on and switch-off sequence of boiler 12 in the cascade	--	X	--
Boiler: Boiler 13 sequence	1 to 16	R	2450.1 2	IN-30149	AI-109	Indicates the current switch-on and switch-off sequence of boiler 13 in the cascade	--	X	--
Boiler: Boiler 14 sequence	1 to 16	R	2450.1 3	IN-30150	AI-110	Indicates the current switch-on and switch-off sequence of boiler 14 in the cascade	--	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Appliance operation <i>(continued)</i>									
Boiler: Boiler 15 sequence	1 to 16	R	2450.1 4	IN-30151	AI-111	Indicates the current switch-on and switch-off sequence of boiler 15 in the cascade	--	X	--
Boiler: Boiler 16 sequence	1 to 16	R	2450.1 5	IN-30152	AI-112	Indicates the current switch-on and switch-off sequence of boiler 16 in the cascade	--	X	--
Units not available in the cascade	0: No 1: Yes	R	2237.1	IN-10013	BI-13	Indicates the status of the device in the cascade.	--	X	X
Boiler circuit pump	0: Off 1: On	R	381.0	IST-10014	BI-14	Indicates the switching state of the primary/ boiler circuit pump.	X	X	X
Burner operation									
Burner modulation	0 to 100%	R	526	IN-30015	AI-7	Indicates the current value of the modulation.	X	X	X
Burner	0: On 1: Off	R	364	ST-10001	BI-2	Indicates whether the burner flame is currently on.	X	X	X
Burner hours run	0 h to 4294967295 h	R	1346.0	IN-30016	AI-8	Indicates the boiler total hours run.	X	X	X
Burner runtime	0 h to 4294967295 h	R	1346.1	IN-30018	AI-9	Indicates the boiler operating hours.	X	X	X
Burner starts	0 h to 4294967295 h	R	1346.2	IN-30020	AI-10	Indicates the boiler total starts.	X	X	X

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
DHW									
DHW temperature	32 to 302°C (0 to 150°C)	R	271.0	IN-30022	AI-11	Indicates the actual hot water temp. in the hot water tank.	X	X	--
Hot water temperature status: Target domestic hot water temperature	32 to 302°C (0 to 150°C)	R	1659.0	IN-30023	AI-12	Indicates the target hot water temp. in the hot water tank.	X	X	--
Domestic hot water status	0: OFF 1: DHW only 2: DHW and heating 3: Emissions test mode WW 4: Test mode 5: External target temperature 6: External target modulation 7: Hygiene function 8: Solar operation FF: Automatic	R	1659.1	IN-30024	MI-8	Status information about the domestic hot water heating.	X	X	--
DHW pump	0: OFF 1: ON	R	392.0	ST-10002	BI-3	Indicates whether the circulation pump for storage tank charging is switched on or off.	X	X	--
Messages									
Maintenance number	0 to 255	R	261	IN-30025	AI-13	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 1	Refer to the service instructions of the boiler	R	265	IN-30026	AI-14	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Messages <i>(continued)</i>									
Fault number 2	Refer to the service instructions of the boiler	R	265	IN-30027	AI-15	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 3	Refer to the service instructions of the boiler	R	265	N-30028	AI-16	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 4	Refer to the service instructions of the boiler	R	265	IN-30029	AI-17	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 5	Refer to the service instructions of the boiler	R	265	IN-30030	AI-18	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 6	Refer to the service instructions of the boiler	R	265	IN-30031	AI-19	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 7	Refer to the service instructions of the boiler	R	265	IN-30032	AI-20	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Messages <i>(continued)</i>									
Fault number 8	Refer to the service instructions of the boiler	R	265	IN-30033	AI-21	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 9	Refer to the service instructions of the boiler	R	265	IN-30034	AI-22	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Fault number 10	Refer to the service instructions of the boiler	R	265	IN-30035	AI-23	Indicates the maintenance code. Refer to the fault and maintenance messages for the boiler found at www.automation-gateway.info	X	X	X
Service messages	0: No maintenance message present 1: Maintenance message present	R	901	ST-10003	BI-4	Indicates whether maintenance messages are present.	X	X	X
Faults	0: No fault present 1: Fault present	R	902	ST-10004	BI-5	Indicates whether faults are present.	X	X	X
Acknowledge maintenance	0: No 1: Yes	R/W	1177	CO-1	BV-1	Acknowledge service message	X	X	--
Equipment statistics									
Heating energy consumption: Today	0 kWh to 4294967295 kWh	R	548.0	IN-30036	AI-24	Indicates the current energy consumption of the heating system.	X	X	X
Electrical energy consumption of heating system: The last 7 days	0 kWh to 4294967295 kWh	R	548.1	IN-30038	AI-25	Indicates the energy consumption of the heating system for the last 7 days.	X	X	X
Electrical energy consumption of heating system: The current month	0 kWh to 4294967295 kWh	R	548.2	IN-30040	AI-26	Indicates the energy consumption of the heating system for the current month.	X	X	X

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Equipment statistics <i>(continued)</i>									
Heating energy consumption: Today	0 kWh to 4294967295 kWh	R	548.3	IN-30042	AI-27	Indicates the energy consumption of the heating system for the last current month.	X	X	X
Electrical energy consumption of heating system: The last 7 days	0 kWh to 4294967295 kWh	R	548.4	IN-30044	AI-28	Indicates the energy consumption of the heating system for the current year.	X	X	X
Electrical energy consumption of heating system: The current month	0 kWh to 4294967295 kWh	R	548.5	IN-30046	AI-29	Indicates the energy consumption of the heating system for the previous year.	X	X	X
Electrical energy consumption of heating system: The last month	0 kWh to 4294967295 kWh	R	565.0	IN-30048	AI-30	Indicates the current energy consumption of the DHW heating.	X	X	--
Electrical energy consumption of heating system: The current year	0 kWh to 4294967295 kWh	R	565.1	IN-30050	AI-31	Indicates the energy consumption of the DHW heating for the last 7 days.	X	X	--
Electrical energy consumption of heating system: The last year	0 kWh to 4294967295 kWh	R	565.2	IN-30052	AI-32	Indicates the energy consumption of the DHW heating for the current month.	X	X	--
DHW energy consumption: Today	0 kWh to 4294967295 kWh	R	565.3	IN-30054	AI-33	Indicates the energy consumption of the DHW heating for the last current month.	X	X	--
Electrical energy consumption of DHW: The last 7 days	0 kWh to 4294967295 kWh	R	565.4	IN-30056	AI-34	Indicates the energy consumption of the DHW heating for the current year.	X	X	--
Electrical energy consumption of the DHW heating: The last year	0 kWh to 4294967295 kWh	R	565.5	IN-30058	AI-35	Indicates the energy consumption of the DHW heating for the past year.	X	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Equipment statistics <i>(continued)</i>									
Heating gas consumption: Today	0 to 65535 m ³	R	544.0	IN-30060	AI-36	Indicates the current gas consumption of the heating system. Increment 1 = 0.1 m ³	X	X	X
Gas consumption of heating system: The last 7 days	0 to 65535 m ³	R	544.1	IN-30061	AI-37	Indicates the gas consumption of the heating system for the last 7 days.	X	X	X
Gas consumption of heating system: The current month	0 to 65535 m ³	R	544.2	IN-30062	AI-38	Indicates the gas consumption of the heating system for the current month.	X	X	--
Gas consumption of heating system: The last month	0 to 65535 m ³	R	544.3	IN-30063	AI-39	Indicates the gas consumption of the heating system for the last current month.	X	X	X
Gas consumption of heating system: The current year	0 to 65535 m ³	R	544.4	IN-30064	AI-40	Indicates the gas consumption of the heating system for the current year.	X	X	X
Gas consumption of heating system: The last year	0 to 65535 m ³	R	544.5	IN-30065	AI-41	Indicates the gas consumption of the heating system for the past year.	X	X	X
DHW gas consumption: Today	0 to 65535 m ³	R	545.0	IN-30066	AI-42	Indicates the current gas consumption of the DHW heating. Increment 1 = 0.1 m ³	X	X	--
Gas consumption of DHW: The last 7 days	0 to 65535 m ³	R	545.1	IN-30067	AI-43	Indicates the gas consumption of the DHW heating for the last 7 days.	X	X	--
Gas consumption of DHW: The current month	0 to 65535 m ³	R	545.2	IN-30068	AI-44	Indicates the gas consumption of the DHW heating for the current month.	X	X	--
Gas consumption of DHW: The last month	0 to 65535 m ³	R	545.3	IN-30069	AI-45	Indicates the gas consumption of the DHW heating for the last current month.	X	X	--
Gas consumption of DHW: The current year	0 to 65535 m ³	R	545.4	IN-30070	AI-46	Indicates the gas consumption of the DHW heating for the current year.	X	X	--
Gas consumption of DHW: The last year	0 to 65535 m ³	R	545.5	IN-30071	AI-47	Indicates the gas consumption of the DHW heating for the past year.	X	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Heating circuit 1									
Heating circuit 1: Target temperature	68 to 260°F (20 to 127°C) (Target supply temperature) 37 to 98°F (3 to 37°C) (Target room temperature)	R	1643.0	IN-30117	AI-81	Heating circuit 1: Target supply or room temperature	X	X	--
Heating circuit pump HC1	0: OFF 1: ON	R	401.2	ST-10005	BI-6	Heating circuit 1: Indicates if the heating circuit pump is switched on or off.	X	X	--
Heating circuit 1: Supply temperature	68 to 260°F (20 to 127°C)	R	284.0	N-30118	AI-82	Heating circuit 1: Current actual supply temperature (Not with lag boiler)	X	X	--
Heating circuit 1: Room temperature	37 to 98°F (3 to 37°C)	R	334.0	IN-30126	AI-90	Indicates the value for the room temp. sensor of heating circuit 1 in °C	X	X	--
Heating circuit 2									
Heating circuit 2: Target temperature	68 to 260°F (20 to 127°C) (Target supply temperature) 37 to 98°F (3 to 37°C) (Target room temperature)	R	1644.0	IN-30119	AI-83	Heating circuit 2: Target supply or room temperature	X	X	--
Heating circuit pump HC2	0: OFF 1: ON	R	402.2	ST-10006	BI-7	Heating circuit 2: Indicates if the heating circuit pump is switched on or off.	X	X	--
Heating circuit 2: Supply temperature	68 to 260°F (20 to 127°C)	R	286.0	N-30120	AI-84	Heating circuit 2: Current actual supply temperature (Not with lag boiler)	X	X	--
Heating circuit 2: Room temperature	37 to 98°F (3 to 37°C)	R	335.0	IN-30127	AI-91	Indicates the value for the room temp. sensor of heating circuit 2 in °C	X	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Heating circuit 3									
Heating circuit 3: Target temperature	68 to 260°F (20 to 127°C) (Target supply temperature) 37 to 98°F (3 to 37°C) (Target room temperature)	R	1645.0	IN-30121	AI-85	Heating circuit 3: Target supply or room temperature	X	X	--
Heating circuit pump HC3	0: OFF 1: ON	R	403.2	ST-10007	BI-8	Heating circuit 3: Indicates if the heating circuit pump is switched on or off.	X	X	--
Heating circuit 3: Supply temperature	68 to 260°F (20 to 127°C)	R	288.0	N-30122	AI-86	Heating circuit 3: Current actual supply temperature (Not with lag boiler)	X	X	--
Heating circuit 3: Room temperature	37 to 98°F (3 to 37°C)	R	336.0	IN-30128	AI-92	Indicates the value for the room temp. sensor of heating circuit 3 in °C	X	X	--
Heating circuit 4									
Heating circuit 4: Target temperature	68 to 260°F (20 to 127°C) (Target supply temperature) 37 to 98°F (3 to 37°C) (Target room temperature)	R	1646.0	IN-30123	AI-87	Heating circuit 4: Target supply or room temperature	X	X	--
Heating circuit pump HC4	0: OFF 1: ON	R	404.2	ST-10008	BI-9	Heating circuit 4: Indicates if the heating circuit pump is switched on or off.	X	X	--
Heating circuit 4: Supply temperature	68 to 260°F (20 to 127°C)	R	290.0	N-30124	AI-88	Heating circuit 4: Current actual supply temperature (Not with lag boiler)	X	X	--
Heating circuit 4: Room temperature	37 to 98°F (3 to 37°C)	R	337.0	IN-30129	AI-93	Indicates the value for the room temp. sensor of heating circuit 4 in °C	X	X	--

Modbus and BACnet Data Point List *(continued)*

Data point name	Value range	Access	Technical reference	Modbus ID	BACnet ID	Data point description	Single boiler	Control unit	Lag boiler
Central heating									
Low loss header: Supply temperature	68 to 260°F (20 to 127°C)	R	282.0	IN-30130	AI-94	Indicates the value for the supply temp. sensor of the low loss header in °C	X	X	--
Heating zone 1: Demand	0: Off 1: On	R	1725.0	ST-10010	BI-10	Indicates whether the call for heat for heating zone 1 is switched on or off.	X	X	--
Heating zone 2: Demand	0: Off 1: On	R	1726.0	ST-10011	BI-11	Indicates whether the call for heat for heating zone 2 is switched on or off.	X	X	--
Heating zone 3: Demand	0: Off 1: On	R	1727.0	ST-10012	BI-12	Indicates whether the call for heat for heating zone 3 is switched on or off.	X	X	--
Heating zone 1: Heating zone pump	0: Off 1: On 2: Short circuit/lead break	R	1728.0	IN-30131	MI-10	Heating circuit 1: Indicates if the heating zone pump is switched on or off.	X	X	--
Heating zone 2: Heating zone pump	0: Off 1: On 2: Short circuit/lead break	R	1729.0	IN-30132	MI-11	Heating circuit 2: Indicates if the heating zone pump is switched on or off.	X	X	--
Heating zone 3: Heating zone pump	0: Off 1: On 2: Short circuit/lead break	R	1730.0	IN-30133	MI-12	Heating circuit 3: Indicates if the heating zone pump is switched on or off.	X	X	--
Thermostat switching state	0: Off 1: On 2: Short circuit/lead break	R	500.0	IN-30153	MI-14	Indicates the switching state of the thermostat. (via plug 96)	X	X	--

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Technical information subject to change without notice.