Gateway Data Points

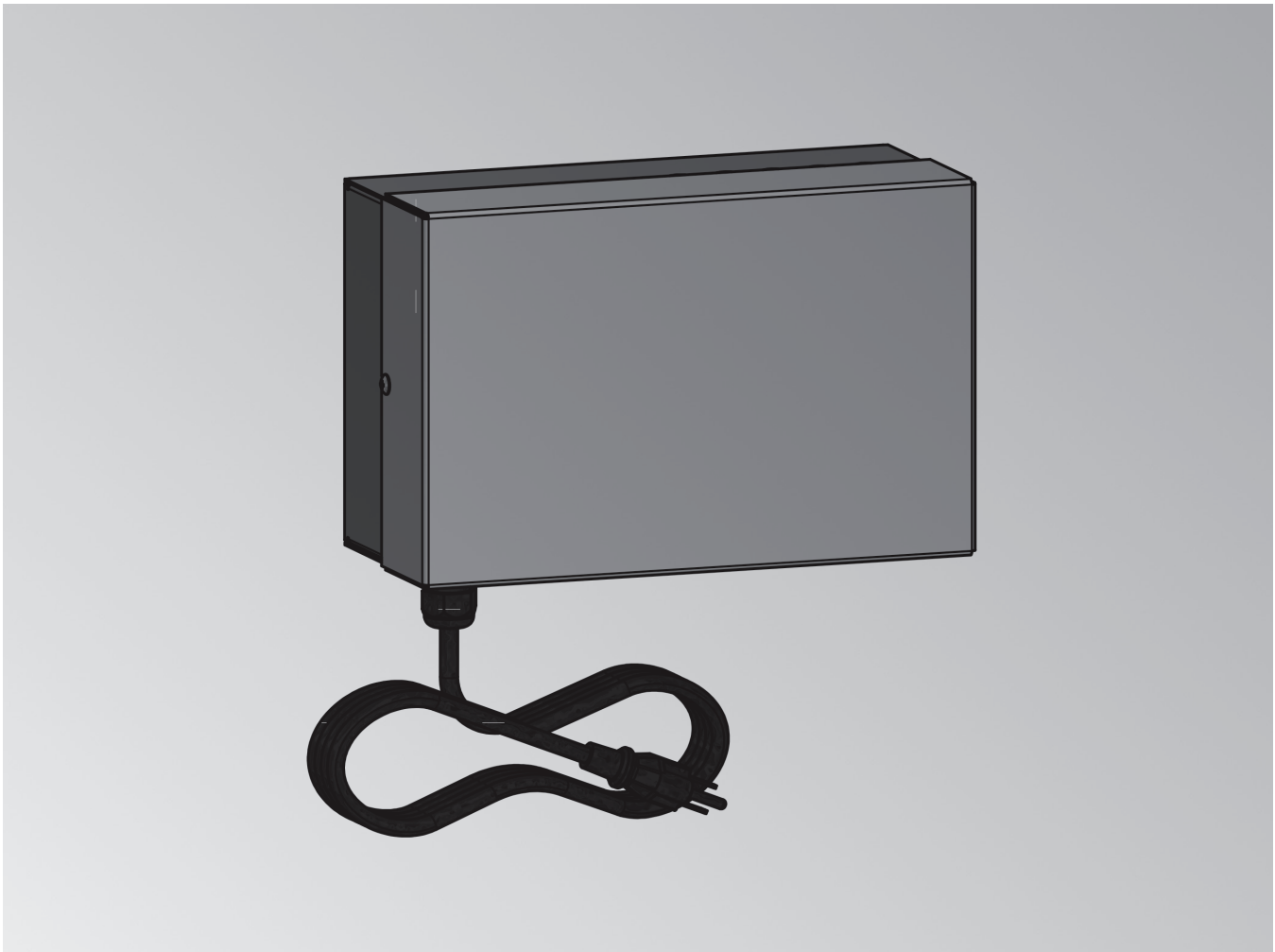**for use by heating contractor**

VIESSMANN

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 *(continued)*									
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 (continued)									
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 *(continued)*									
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 *(continued)*									
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 (continued)									
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	2450.10	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	2450.11	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	2450.12	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	2450.13	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 (continued)									
Boiler: Boiler 15 sequence	1 to 16	R	2450.14	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	2450.15	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 *(continued)*									
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 (continued)									
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 *(continued)*									
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 (continued)									
Heating gas consumption: Today	0 to 65535 m³	R	544.0	IN-30060	AI-36	Indicates the current gas consumption of the heating system. Increment 1 = 0.1 m³	X	X	X
Gas consumption of heating system: The last 7 days	0 to 65535 m³	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 m³	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 m³	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 m³	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 m³	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 m³	R	545.0	IN-30066	AI-42	Indicates the current gas consumption of the DHW heating. Increment 1 = 0.1 m³	X	X	--
Gas consumption of DHW: The last 7 days	0 to 65535 m³	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 m³	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 m³	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 m³	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 m³	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.