



Resource Page

ECONET 2.0 EVAPORATOR CONTROLLER

BACNET OBJECTS LIST

RESOURCE PAGE

BACnet Objects List

HT-PG02-00-01-19

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
1	---	Rheem HTPG	DEVICE				
2	Setpoint	SETPOINT	ANALOG	38	RW	-40, 60, -10	DEGREES_FAHR- ENHEIT
3	Defrost Mode	DEFMODE	MULTISTATE	237	RO	0, 4	---
4	Defrost Mode Group	DEFMODG	BINARY	193	RO	0, 1	---
5	Space Temp	SPACETMP	ANALOG	268	RO	-60, 250	DEGREES_FAHR- ENHEIT
6	Average Space Temp (Group)	SPACEALL	ANALOG	195	RO	-60, 250	DEGREES_FAHR- ENHEIT
7	Evap Temp 1	EVAPTEMP	ANALOG	266	RO	-60, 250	DEGREES_FAHR- ENHEIT
8	Evap Temp 2	EVTEMP2T	ANALOG	267	RO	-60, 250	DEGREES_FAHR- ENHEIT
9	Suction Temp	SUCTIONT	ANALOG	265	RO	-60, 250	DEGREES_FAHR- ENHEIT
10	Saturated Suction Temp	SAT_SUCT	ANALOG	271	RO	-60, 250	DEGREES_FAHR- ENHEIT
11	Suction Pressure (gauge)	PRESGSUC	ANALOG	298	RO	0, 400	POUNDS_ FORCE_PER_ SQUARE_INCH
12	Drain Temp	DRAINTMP	ANALOG	269	RO	-60, 250	DEGREES_FAHR- ENHEIT
13	Aux Temp	AUX_TEMP	ANALOG	270	RO	-60, 250	DEGREES_FAHR- ENHEIT
14	Fan Speed	PWM_FANC	ANALOG	314	RO	0, 100	PERCENT
15	Compressor Request	COMP_REQ	BINARY	339	RO	0, 1	---
16	Lifetime Compressor Cycles	COMP CYCL	ANALOG	89	RO	0, 4294967295, 0	NO_UNITS
17	Group Member Cfg.	EVPGROUP	MULTISTATE	103	RO	0, 24, 0	---
18	Instance	INSTANCE	ANALOG	9	RO	1, 32, 1	NO_UNITS

BACnet Objects List

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No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
19	Cooler/Freezer	COOLTYPE	MULTISTATE	72	RW	0, 1, 1	--
20	Refrigerant	REFRIGER	MULTISTATE	67	RW	0, 15, 3	--
21	Coil Type	COILTYPE	MULTISTATE	68	RW	0, 1, 0	--
22	Drain Temp Sensor Y/N?	DRAINCFG	BINARY	173	RO	0, 1,	--
23	Drain Pan Heater Cut-In Offset	DRAINSET	ANALOG	123	RW	20, 80, 40	DEGREES_FAHR-ENHEIT
24	Drain Pan Heater Cut-Out Setpoint	DRAINHYS	ANALOG	124	RW	1, 20, 5	DEGREES_FAHR-ENHEIT
25	EXV Stepper Type	EXVSTEPR	MULTISTATE	21	RW	0, 3, 0	--
26	EXV Superheat Setpoint	EXV_SHSP	ANALOG	44	RW	4, 20, 6.5	DELTA_DEGREES_FAHRENHEIT
27	Setpoint Control/Hysteresis	SETPHYST	ANALOG	39	RW	0.5, 20, 2	DELTA_DEGREES_FAHRENHEIT
28	Defrost Type	DEFRTYPE	MULTISTATE	110	RW	0, 1, 0	--
29	Max Defrost Time	DEFRMAXT	ANALOG	79	RW	10, 60, 60	MINUTES
30	Runtime Until Defrost (Timed)	DEFRCNTM	ANALOG	76	RW	0, 900, 360	MINUTES
31	Runtime Until Defrost (Adaptive)	DEFRCATM	ANALOG	78	RW	360, 900, 720	MINUTES
32	Defrost Termination Temp	DEFRTTMP	ANALOG	83	RW	35, 65, 55	DEGREES_FAHR-ENHEIT
33	Defrost Relay 1 Control	DEFPOVER	MULTISTATE	94	RW	0, 1, 0	--
34	Minimum Cooling Run Time	CRQMINON	MULTISTATE	95	RW	0, 2, 2	--
35	Comp. Run Time Alert	CREQTIME	ANALOG	102	RW	0, 480, 120	MINUTES
36	Door Switch Config.	DOORCNFG	MULTISTATE	106	RW	0, 2, 0	--

BACnet Objects List

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No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
37	Door Switch Time Delay	DOORATIM	MULTISTATE	107	RW	0, 6, 0	---
38	Defrost Pump Down Delay	DFEXVTIM	MULTISTATE	108	RW	0, 5, 0	---
39	Fan Control	FAN_CTRL	MULTISTATE	121	RO	0, 1, 0	---
40	Aux Relay Con-fig.	AUX_CNFG	MULTISTATE	122	RO	0, 3, 0	---
41	Cut-Out Setpoint (Pack. Unit Comp. Ctrl.)	CUTOSETP	ANALOG	125	RW	-5, 60, 0	POUNDS_FORCE_PER_SQUARE_INCH
42	Cut-In Offset (Pack. Unit Comp. Ctrl.)	CUTIOFFS	ANALOG	126	RW	10, 50, 20	POUNDS_FORCE_PER_SQUARE_INCH
43	Last Defrost Duration	DEFRTIMM	ANALOG	219	RO	0, 4294967295	MINUTES
44	Runtime Until Next Defrost	DEFRNEXT	ANALOG	218	RO	0, 4000000000	MINUTES
45	Lifetime Defrost Cycles	DEFRCYCL	ANALOG	82	RO	0, 65535, 0	NO_UNITS
46	Force a Defrost?	DEFFORCE	BINARY	221	RW	0, 1	---
47	Digital Input #1	DIGITAL1	BINARY	301	RO	0, 1	---
48	Digital Input #2	DIGITAL2	BINARY	302	RO	0, 1	---
49	Digital Input #3	DIGITAL3	BINARY	303	RO	0, 1	---
50	Defrost Relay 1	DEF1RELY	BINARY	311	RO	0, 1	---
51	Defrost Relay 2	DEF2RELY	BINARY	312	RO	0, 1	---
52	Aux Relay 1	AUX1RELY	BINARY	308	RO	0, 1	---
53	Aux Relay 2	AUX2RELY	BINARY	310	RO	0, 1	---
54	EXV Current Position %	EXACTUAL	ANALOG	318	RO	0, 100	PERCENT

BACnet Objects List **HT-PG02-00-01-19**

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
55	Calculated Superheat	EXVSUPER	ANALOG	335	RO	-999, 999	DELTA_DEGREES_FAHRENHEIT
56	Control Superheat Setpoint	EXVCSHSP	ANALOG	337	RO	0, 25	DELTA_DEGREES_FAHRENHEIT
57	Alarm #1	ALARM_01	CHARACTER-STRING	511	RO	---	---
58	Alarm #2	ALARM_02	CHARACTER-STRING	512	RO	---	---
59	Alarm History #1	ALARMH01	CHARACTER-STRING	537	RO	---	---
60	Alarm History #2	ALARMH02	CHARACTER-STRING	538	RO	---	---
61	Alarm History #3	ALARMH03	CHARACTER-STRING	539	RO	---	---
62	Alarm History #4	ALARMH04	CHARACTER-STRING	540	RO	---	---
63	Product Model Number	PRODMODN	CHARACTER-STRING	1	RO	---	---
64	Product Serial Number	PRODSERN	CHARACTER-STRING	2	RO	---	---
65	Product Location	PRODLOCA	CHARACTER-STRING	3	RW	---	---
66	EcoNet Software Version	SW_VERSN	CHARACTER-STRING	420	RO	---	---
67	Product Description	PRODESC	CHARACTER-STRING	4	RO	---	---
68	Leak Alarm	LEAKALRM	BINARY	166	RO	0, 1	---
69	Comp. Minimum ON Timer (Pack. Unit)	AUX2CTMR	ANALOG	127	RW	10, 120, 60	SECONDS
70	System Enable Y/N	HTPGENAB	BINARY	105	RW	0, 1, 1	---
71	Superheat Setpoint Offset	EXVOSHSP	ANALOG	40	RW	0, 10, 3.5	DELTA_DEGREES_FAHRENHEIT

BACnet Objects List

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No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
72	Alarm History Clear?	ALHISCLR	BINARY	510	RW	0, 1	---
73	Unit is in Follow-er Mode?	FOLLOWER	BINARY	187	RO	0, 1	---
74	Lead Lag Control Configuration	LEAD_LAG	MULTISTATE	133	RW	0, 2, 0	---
75	Lead Lag Partner Instance	LLMPINST	MULTISTATE	134	RW	0, 36, 0	---
76	Lead Lag Comp. Run Time Limit (Hours)	LLCLIMIT	MULTISTATE	135	RW	0, 23, 6	---
77	Lead Lag Control Status	LLAGCTRL	MULTISTATE	151	RO	0, 4	---
78	Lead Lag Run Status	LDLGSTAT	MULTISTATE	158	RO	0, 4	---
79	Lead Lag Run Status -Partner	LDLGSTAP	MULTISTATE	159	RO	0, 4	---
80	Lead Lag Dis-able Command	LLDISABL	BINARY	157	RO	0, 1	---
81	Comp. Run Time Until Lead Lag Switch	LLSWNEXT	ANALOG	154	RO	0, 1000000	HOURS
82	Fan Delay Temp	EVLOTTRIP	ANALOG	132	RW	25, 70, 35	DEGREES_FAHR-ENHEIT
83	Defrost Drain Time	DEFDTIME	ANALOG	86	RW	30, 600, 300	SECONDS
84	EXV Last Position Minimum	ELASTMIN	ANALOG	57	RW	15, 100, 35	PERCENT
85	EXV Last Position Maximum	ELASTMAX	ANALOG	58	RW	65, 100, 65	PERCENT
86	EXV Start Delay	EXVDELAY	ANALOG	42	RW	0, 255, 60	SECONDS
87	A2L-1 Sensor Concentration	A2L1SENS	ANALOG	477	RO	0, 100	PERCENT
88	A2L-1 Sensor PPM	A2L1SPPM	ANALOG	478	RO	0, 1000000	PPM
89	A2L-2 Sensor Concentration	A2L2SENS	ANALOG	492	RO	0, 100	PERCENT
90	A2L-2 Sensor PPM	A2L2SPPM	ANALOG	493	RO	0, 1000000	PPM

BACnet Objects List

HT-PG02-00-01-12

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
1	---	Rheem HTPG	DEVICE				
2	Setpoint	SETPOINT	ANALOG	38	RW	-40, 60, -10	DEGREES_FAHR- ENHEIT
3	Defrost Mode	DEFMODE	MULTISTATE	234	RO	0, 4	---
4	Defrost Mode Group	DEFMODG	BINARY	190	RO	0, 1	---
5	Space Temp	SPACETMP	ANALOG	265	RO	-60, 250	DEGREES_FAHR- ENHEIT
6	Average Space Temp (Group)	SPACEALL	ANALOG	192	RO	-60, 250	DEGREES_FAHR- ENHEIT
7	Evap Temp 1	EVAPTEMP	ANALOG	263	RO	-60, 250	DEGREES_FAHR- ENHEIT
8	Evap Temp 2	EVTEMP2T	ANALOG	264	RO	-60, 250	DEGREES_FAHR- ENHEIT
9	Suction Temp	SUCTIONT	ANALOG	262	RO	-60, 250	DEGREES_FAHR- ENHEIT
10	Saturated Suction Temp	SAT_SUCT	ANALOG	268	RO	-60, 250	DEGREES_FAHR- ENHEIT
11	Suction Pressure (gauge)	PRESGSUC	ANALOG	295	RO	0, 400	POUNDS_FORCE_ PER_SQUARE_ INCH
12	Drain Temp	DRAINTMP	ANALOG	266	RO	-60, 250	DEGREES_FAHR- ENHEIT
13	Aux Temp	AUX_TEMP	ANALOG	267	RO	-60, 250	DEGREES_FAHR- ENHEIT
14	Fan Speed	PWM_FANC	ANALOG	311	RO	0, 100	PERCENT
15	Compressor Request	COMP_REQ	BINARY	336	RO	0, 1	---
16	Lifetime Compressor Cycles	COMP CYCL	ANALOG	89	RO	0, 4294967295, 0	NO_UNITS
17	Group Member Cfg.	EVPGROUP	MULTISTATE	101	RO	0, 24, 0	---
18	Instance	INSTANCE	ANALOG	9	RO	1, 32, 1	NO_UNITS

BACnet Objects List

HT-PG02-00-01-12

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
19	Cooler/Freezer	COOLTYPE	MULTISTATE	72	RW	0, 1, 1	---
20	Refrigerant	REFRIGER	MULTISTATE	67	RW	0, 15, 3	---
21	Coil Type	COILTYPE	MULTISTATE	68	RW	0, 1, 0	---
22	Drain Temp Sensor Y/N?	DRAINCFG	BINARY	170	RO	0, 1,	---
23	Drain Pan Heater Cut-In Offset	DRAINSET	ANALOG	121	RW	20, 80, 40	DEGREES_FAHRENHEIT
24	Drain Pan Heater Cut-Out Setpoint	DRAINHYS	ANALOG	122	RW	1, 20, 5	DEGREES_FAHRENHEIT
25	EXV Stepper Type	EXVSTEPR	MULTISTATE	21	RW	0, 3, 0	---
26	EXV Superheat Setpoint	EXV_SHSP	ANALOG	44	RW	4, 20, 6.5	DELTA_DEGREES_FAHRENHEIT
27	Setpoint Control/Hysteresis	SETPHYST	ANALOG	39	RW	0.5, 20, 2	DELTA_DEGREES_FAHRENHEIT
28	Defrost Type	DEFRTYPE	MULTISTATE	108	RW	0, 1, 0	---
29	Max Defrost Time	DEFRMAXT	ANALOG	79	RW	10, 60, 60	MINUTES
30	Runtime Until Defrost (Timed)	DEFRCNTM	ANALOG	76	RW	0, 900, 360	MINUTES
31	Runtime Until Defrost (Adaptive)	DEFRCATM	ANALOG	78	RW	360, 900, 720	MINUTES
32	Defrost Termination Temp	DEFRTTMP	ANALOG	83	RW	35, 65, 55	DEGREES_FAHRENHEIT
33	Defrost Relay 1 Control	DEFPOVER	MULTISTATE	94	RW	0, 1, 0	---
34	Minimum Cooling Run Time	CRQMINON	MULTISTATE	95	RW	0, 2, 2	---
35	Comp. Run Time Alert	CREQTIME	ANALOG	100	RW	0, 480, 120	MINUTES
36	Door Switch Config.	DOORCNFG	MULTISTATE	104	RW	0, 2, 0	---

BACnet Objects List

HT-PG02-00-01-12

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
37	Door Switch Time Delay	DOORATIM	MULTISTATE	105	RW	0, 6, 0	---
38	Defrost Pump Down Delay	DFEXVTIM	MULTISTATE	106	RW	0, 5, 0	---
39	Fan Control	FAN_CTRL	MULTISTATE	119	RO	0, 1, 0	---
40	Aux Relay Config.	AUX_CNFG	MULTISTATE	120	RO	0, 3, 0	---
41	Cut-Out Setpoint (Pack. Unit Comp. Ctrl.)	CUTOSETP	ANALOG	123	RW	-5, 60, 0	POUNDS_FORCE_PER_SQUARE_INCH
42	Cut-In Offset (Pack. Unit Comp. Ctrl.)	CUTIOFFS	ANALOG	124	RW	10, 50, 20	POUNDS_FORCE_PER_SQUARE_INCH
43	Last Defrost Duration	DEFRTIMM	ANALOG	216	RO	0, 4294967295	MINUTES
44	Runtime Until Next Defrost	DEFRNEXT	ANALOG	215	RO	0, 4000000000	MINUTES
45	Lifetime Defrost Cycles	DEFRCYCL	ANALOG	82	RO	0, 65535, 0	NO_UNITS
46	Force a Defrost?	DEFFORCE	BINARY	218	RW	0, 1	---
47	Digital Input #1	DIGITAL1	BINARY	298	RO	0, 1	---
48	Digital Input #2	DIGITAL2	BINARY	299	RO	0, 1	---
49	Digital Input #3	DIGITAL3	BINARY	300	RO	0, 1	---
50	Defrost Relay 1	DEF1RELY	BINARY	308	RO	0, 1	---
51	Defrost Relay 2	DEF2RELY	BINARY	309	RO	0, 1	---
52	Aux Relay 1	AUX1RELY	BINARY	305	RO	0, 1	---
53	Aux Relay 2	AUX2RELY	BINARY	307	RO	0, 1	---
54	EXV Current Position %	EXACTUAL	ANALOG	315	RO	0, 100	PERCENT

BACnet Objects List

HT-PG02-00-01-12

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
55	Calculated Superheat	EXVSUPER	ANALOG	332	RO	-999, 999	DELTA_DEGREES_FAHRENHEIT
56	Control Superheat Setpoint	EXVCSHSP	ANALOG	334	RO	0, 25	DELTA_DEGREES_FAHRENHEIT
57	Alarm #1	ALARM_01	CHARACTER-STRING	507	RO	---	---
58	Alarm #2	ALARM_02	CHARACTER-STRING	508	RO	---	---
59	Alarm History #1	ALARMH01	CHARACTER-STRING	533	RO	---	---
60	Alarm History #2	ALARMH02	CHARACTER-STRING	534	RO	---	---
61	Alarm History #3	ALARMH03	CHARACTER-STRING	535	RO	---	---
62	Alarm History #4	ALARMH04	CHARACTER-STRING	536	RO	---	---
63	Product Model Number	PRODMODN	CHARACTER-STRING	1	RO	---	---
64	Product Serial Number	PRODSERN	CHARACTER-STRING	2	RO	---	---
65	Product Location	PRODLOCA	CHARACTER-STRING	3	RW	---	---
66	EcoNet Software Version	SW_VERSN	CHARACTER-STRING	417	RO	---	---
67	Product Description	PRODESC	CHARACTER-STRING	4	RO	---	---
68	Leak Alarm	LEAKALRM	BINARY	163	RO	0, 1	---
69	Comp. Minimum ON Timer (Pack. Unit)	AUX2CTMR	ANALOG	125	RW	10, 120, 60	SECONDS
70	System Enable Y/N	HTPGENAB	BINARY	103	RW	0, 1, 1	---
71	Superheat Setpoint Offset	EXVOSHSP	ANALOG	40	RW	0, 10, 3.5	DELTA_DEGREES_FAHRENHEIT
72	Alarm History Clear?	ALHISCLR	BINARY	506	RW	0, 1	---

BACnet Objects List

HT-PG02-00-01-12

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
73	Unit is in Follower Mode?	FOLLOWER	BINARY	184	RO	0, 1	---
74	Lead Lag Control Configuration	LEAD_LAG	MULTISTATE	131	RW	0, 2, 0	---
75	Lead Lag Partner Instance	LLMPINST	MULTISTATE	132	RW	0, 36, 0	---
76	Lead Lag Comp. Run Time Limit (Hours)	LLCLIMIT	MULTISTATE	133	RW	0, 23, 6	---
77	Lead Lag Control Status	LLAGCTRL	MULTISTATE	148	RO	0, 4	---
78	Lead Lag Run Status	LDLGSTAT	MULTISTATE	155	RO	0, 4	---
79	Lead Lag Run Status -Partner	LDLGSTAP	MULTISTATE	156	RO	0, 4	---
80	Lead Lag Disable Command	LLDISABL	BINARY	154	RO	0, 1	---
81	Comp. Run Time Until Lead Lag Switch	LLSWNEXT	ANALOG	151	RO	0, 10000000	HOURS
82	Fan Delay Temp	EVLOTTRIP	ANALOG	130	RW	25, 70, 35	DEGREES_FAHR-ENHEIT
83	Defrost Drain Time	DEFDTIME	ANALOG	86	RW	30, 600, 300	SECONDS
84	EXV Last Position Minimum	ELASTMIN	ANALOG	57	RW	15, 100, 35	PERCENT
85	EXV Last Position Maximum	ELASTMAX	ANALOG	58	RW	65, 100, 65	PERCENT
86	EXV Start Delay	EXVDELAY	ANALOG	42	RW	0, 255, 60	SECONDS
87	A2L-1 Sensor Concentration	A2L1SENS	ANALOG	474	RO	0, 100	PERCENT
88	A2L-1 Sensor PPM	A2L1SPPM	ANALOG	475	RO	0, 1000000	PPM
89	A2L-2 Sensor Concentration	A2L2SENS	ANALOG	489	RO	0, 100	PERCENT
90	A2L-2 Sensor PPM	A2L2SPPM	ANALOG	490	RO	0, 1000000	PPM

BACnet Objects List

HT-PG02-00-01-04

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
1	---	Rheem HTPG	DEVICE				
2	Setpoint	SETPOINT	ANALOG	38	RW	-40, 60, -10	DEGREES_FAHR- ENHEIT
3	Defrost Mode	DEFMODE	MULTISTATE	224	RO	0, 4	---
4	Defrost Mode Group	DEFMODG	BINARY	181	RO	0, 1	---
5	Space Temp	SPACETMP	ANALOG	255	RO	-60, 250	DEGREES_FAHR- ENHEIT
6	Average Space Temp (Group)	SPACEALL	ANALOG	183	RO	-60, 250	DEGREES_FAHR- ENHEIT
7	Evap Temp 1	EVAPTEMP	ANALOG	253	RO	-60, 250	DEGREES_FAHR- ENHEIT
8	Evap Temp 2	EVTEMP2T	ANALOG	254	RO	-60, 250	DEGREES_FAHR- ENHEIT
9	Suction Temp	SUCTIONT	ANALOG	252	RO	-60, 250	DEGREES_FAHR- ENHEIT
10	Saturated Suction Temp	SAT_SUCT	ANALOG	258	RO	-60, 250	DEGREES_FAHR- ENHEIT
11	Suction Pressure (gauge)	PRESGSUC	ANALOG	285	RO	0, 400	POUNDS_ FORCE_PER_ SQUARE_INCH
12	Drain Temp	DRAINTMP	ANALOG	256	RO	-60, 250	DEGREES_FAHR- ENHEIT
13	Aux Temp	AUX_TEMP	ANALOG	257	RO	-60, 250	DEGREES_FAHR- ENHEIT
14	Fan Speed	PWM_FANC	ANALOG	301	RO	0, 100	PERCENT
15	Compressor Request	COMP_REQ	BINARY	327	RO	0, 1	---
16	Lifetime Compressor Cycles	COMP CYCL	ANALOG	83	RO	0, 4294967295, 0	NO_UNITS
17	Group Member Cfg.	EVPGROUP	MULTISTATE	95	RO	0, 24, 0	---

BACnet Objects List **HT-PG02-00-01-04**

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
18	Instance	INSTANCE	ANALOG	9	RO	1, 32, 1	NO_UNITS
19	Cooler/Freezer	COOLTYPE	MULTISTATE	66	RW	0, 1, 1	--
20	Refrigerant	REFRIGER	MULTISTATE	61	RW	0, 15, 3	--
21	Coil Type	COILTYPE	MULTISTATE	62	RW	0, 1, 0	--
22	Drain Temp Sensor Y/N?	DRAINCFG	BINARY	160	RO	0, 1,	--
23	Drain Pan Heater Cut-In Offset	DRAINSET	ANALOG	115	RW	20, 80, 40	DEGREES_FAHR-ENHEIT
24	Drain Pan Heater Cut-Out Setpoint	DRAINHYS	ANALOG	116	RW	1, 20, 5	DEGREES_FAHR-ENHEIT
25	EXV Stepper Type	EXVSTEPR	MULTISTATE	21	RW	0, 3, 0	--
26	EXV Superheat Setpoint	EXV_SHSP	ANALOG	44	RW	4, 20, 6.5	DELTA_DEGREES_FAHRENHEIT
27	Setpoint Control/Hysteresis	SETPHYST	ANALOG	39	RW	0.5, 20, 2	DELTA_DEGREES_FAHRENHEIT
28	Defrost Type	DEFRTYPE	MULTISTATE	102	RW	0, 1, 0	--
29	Max Defrost Time	DEFRMAXT	ANALOG	73	RW	10, 60, 60	MINUTES
30	Runtime Until Defrost (Timed)	DEFRCNTM	ANALOG	70	RW	0, 900, 360	MINUTES
31	Runtime Until Defrost (Adaptive)	DEFRCATM	ANALOG	72	RW	360, 900, 720	MINUTES
32	Defrost Termination Temp	DEFRTTMP	ANALOG	77	RW	35, 65, 55	DEGREES_FAHR-ENHEIT
33	Defrost Relay 1 Control	DEFPOVER	MULTISTATE	88	RW	0, 1, 0	--
34	Minimum Cooling Run Time	CRQMINON	MULTISTATE	89	RW	0, 2, 2	--

BACnet Objects List

HT-PG02-00-01-04

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
35	Comp. Run Time Alert	CREQTIME	ANALOG	94	RW	0, 480, 120	MINUTES
36	Door Switch Config.	DOORCNFG	MULTISTATE	98	RW	0, 2, 0	--
37	Door Switch Time Delay	DOORATIM	MULTISTATE	99	RW	0, 6, 0	--
38	Defrost Pump Down Delay	DFEXVTIM	MULTISTATE	100	RW	0, 5, 0	--
39	Fan Control	FAN_CTRL	MULTISTATE	113	RO	0, 1, 0	--
40	Aux Relay Config.	AUX_CNFG	MULTISTATE	114	RO	0, 3, 0	--
41	Cut-Out Setpoint (Pack. Unit Comp. Ctrl.)	CUTOSETP	ANALOG	117	RW	-5, 60, 0	POUNDS_FORCE_PER_SQUARE_INCH
42	Cut-In Offset (Pack. Unit Comp. Ctrl.)	CUTIOFFS	ANALOG	118	RW	10, 50, 20	POUNDS_FORCE_PER_SQUARE_INCH
43	Last Defrost Duration	DEFRTIMM	ANALOG	206	RO	0, 4294967295	MINUTES
44	Runtime Until Next Defrost	DEFRNEXT	ANALOG	205	RO	0, 4000000000	MINUTES
45	Lifetime Defrost Cycles	DEFRCYCL	ANALOG	76	RO	0, 65535, 0	NO_UNITS
46	Force a Defrost?	DEFFORCE	BINARY	208	RW	0, 1	--
47	Digital Input #1	DIGITAL1	BINARY	288	RO	0, 1	--
48	Digital Input #2	DIGITAL2	BINARY	289	RO	0, 1	--
49	Digital Input #3	DIGITAL3	BINARY	290	RO	0, 1	--
50	Defrost Relay 1	DEF1RELY	BINARY	298	RO	0, 1	--
51	Defrost Relay 2	DEF2RELY	BINARY	299	RO	0, 1	--

BACnet Objects List

HT-PG02-00-01-04

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
52	Aux Relay 1	AUX1RELY	BINARY	295	RO	0, 1	---
53	Aux Relay 2	AUX2RELY	BINARY	297	RO	0, 1	---
54	EXV Current Position %	EXACTUAL	ANALOG	305	RO	0, 100	PERCENT
55	Calculated Superheat	EXVSUPER	ANALOG	322	RO	-999, 999	DELTA_DEGREES_FAHRENHEIT
56	Control Superheat Setpoint	EXVCSHSP	ANALOG	325	RO	0, 25	DELTA_DEGREES_FAHRENHEIT
57	Alarm #1	ALARM_01	CHARACTER-STRING	489	RO	---	---
58	Alarm #2	ALARM_02	CHARACTER-STRING	490	RO	---	---
59	Alarm History #1	ALARMH01	CHARACTER-STRING	515	RO	---	---
60	Alarm History #2	ALARMH02	CHARACTER-STRING	516	RO	---	---
61	Alarm History #3	ALARMH03	CHARACTER-STRING	517	RO	---	---
62	Alarm History #4	ALARMH04	CHARACTER-STRING	518	RO	---	---
63	Product Model Number	PRODMODN	CHARACTER-STRING	1	RO	---	---
64	Product Serial Number	PRODSERN	CHARACTER-STRING	2	RO	---	---
65	Product Location	PRODLOCA	CHARACTER-STRING	3	RW	---	---
66	EcoNet Software Version	SW_VERSN	CHARACTER-STRING	406	RO	---	---
67	Product Description	PRODESC	CHARACTER-STRING	4	RO	---	---
68	Leak Detector Config.	LEAKCNFG	MULTISTATE	120	RW	0, 2, 0	---

BACnet Objects List **HT-PG02-00-01-04**

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
69	Leak Alarm Recovery Timer Config.	LRECTIMC	ANALOG	121	RW	5, 600, 10	SECONDS
70	Leak Alarm	LEAKALRM	BINARY	153	RO	0, 1	--
71	Comp. Minimum ON Timer (Pack. Unit)	AUX2CTMR	ANALOG	119	RW	10, 120, 60	SECONDS
72	System Enable Y/N	HTPGENAB	BINARY	97	RW	0, 1, 1	--
73	Superheat Set-point Offset	EXVOSHSP	ANALOG	40	RW	0, 10, 3.5	DELTA_DEGREES_FAHRENHEIT
74	Alarm History Clear?	ALHISCLR	BINARY	488	RW	0, 1	--
75	Unit is in Follow-er Mode?	FOLLOWER	BINARY	175	RO	0, 1	--
76	Lead Lag Control Configuration	LEAD_LAG	MULTISTATE	125	RW	0, 2, 0	--
77	Lead Lag Partner Instance	LLMPINST	MULTISTATE	126	RW	0, 36, 0	--
78	Lead Lag Comp. Run Time Limit (Hours)	LLCLIMIT	MULTISTATE	127	RW	0, 23, 6	--
79	Lead Lag Control Status	LLAGCTRL	MULTISTATE	138	RO	0, 4	--
80	Lead Lag Run Status	LDLGSTAT	MULTISTATE	145	RO	0, 4	--
81	Lead Lag Run Status -Partner	LDLGSTAP	MULTISTATE	146	RO	0, 4	--
82	Lead Lag Dis-able Command	LLDISABL	BINARY	144	RO	0, 1	--
83	Comp. Run Time Until Lead Lag Switch	LLSWNEXT	ANALOG	141	RO	0, 10000000	HOURS
84	Fan Delay Temp	EVLOTTRIP	ANALOG	124	RW	25, 70, 35	DEGREES_FAHRENHEIT

BACnet Objects List **HT-PG02-00-01-04**

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
85	Defrost Drain Time	DEFDTIME	ANALOG	80	RW	0, 600, 300	SECONDS
86	EXV Last Position Minimum	ELASTMIN	ANALOG	53	RW	15, 100, 35	PERCENT
87	EXV Last Position Maximum	ELASTMAX	ANALOG	54	RW	65, 100, 65	PERCENT
88	EXV Start Delay	EXVDELAY	ANALOG	42	RW	0, 255, 60	SECONDS

BACnet Objects List **HT-PG02-00-01-00**

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
1	---	Rheem HTPG	DEVICE				
2	Setpoint	SETPOINT	ANALOG	44	RW	-40, 60, -10	DEGREES_FAHR-ENHEIT
3	Defrost Mode	DEFRMODE	MULTISTATE	229	RO	0, 4	---
4	Defrost Mode Group	DEFRMODG	BINARY	186	RO	0, 1	---
5	Space Temp	SPACETMP	ANALOG	260	RO	-60, 250	DEGREES_FAHR-ENHEIT
6	Average Space Temp (Group)	SPACEALL	ANALOG	188	RO	-60, 250	DEGREES_FAHR-ENHEIT
7	Evap Temp 1	EVAPTEMP	ANALOG	258	RO	-60, 250	DEGREES_FAHR-ENHEIT
8	Evap Temp 2	EVTEMP2T	ANALOG	259	RO	-60, 250	DEGREES_FAHR-ENHEIT
9	Suction Temp	SUCTIONT	ANALOG	257	RO	-60, 250	DEGREES_FAHR-ENHEIT
10	Saturated Suction Temp	SAT_SUUCT	ANALOG	263	RO	-60, 250	DEGREES_FAHR-ENHEIT
11	Suction Pressure (gauge)	PRESGSUC	ANALOG	290	RO	0, 400	POUNDS_FORCE_PER_SQUARE_INCH
12	Drain Temp	DRAINTMP	ANALOG	261	RO	-60, 250	DEGREES_FAHR-ENHEIT
13	Aux Temp	AUX_TEMP	ANALOG	262	RO	-60, 250	DEGREES_FAHR-ENHEIT
14	Fan Speed	PWM_FANC	ANALOG	306	RO	0, 100	PERCENT
15	Compressor Request	COMP_REQ	BINARY	332	RO	0, 1	---
16	Lifetime Compressor Cycles	COMP CYCL	ANALOG	89	RO	0, 4294967295, 0	NO_UNITS
17	Group Member Cfg.	EVPGROUP	MULTISTATE	101	RO	0, 24, 0	---

BACnet Objects List

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No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
18	Instance	INSTANCE	ANALOG	9	RO	1, 32, 1	NO_UNITS
19	Cooler/Freezer	COOLTYPE	MULTISTATE	72	RW	0, 1, 1	---
20	Refrigerant	REFRIGER	MULTISTATE	67	RW	0, 14, 3	---
21	Coil Type	COILTYPE	MULTISTATE	68	RW	0, 1, 0	---
22	Drain Temp Sensor Y/N?	DRAINCFG	BINARY	165	RO	0, 1,	---
23	Drain Pan Heater Cut-In Offset	DRAINSET	ANALOG	121	RW	20, 80, 40	DEGREES_FAHR-ENHEIT
24	Drain Pan Heater Cut-Out Setpoint	DRAINHYS	ANALOG	122	RW	1, 20, 5	DEGREES_FAHR-ENHEIT
25	EXV Stepper Type	EXVSTEPR	MULTISTATE	23	RW	0, 3, 0	---
26	EXV Superheat Setpoint	EXV_SHSP	ANALOG	50	RW	4, 20, 6.5	DELTA_DEGREES_FAHRENHEIT
27	Setpoint Control/Hysteresis	SETPHYST	ANALOG	45	RW	0.5, 20, 2	DELTA_DEGREES_FAHRENHEIT
28	Defrost Type	DEFRTYPE	MULTISTATE	108	RW	0, 1, 0	---
29	Max Defrost Time	DEFRMAXT	ANALOG	79	RW	10, 60, 60	MINUTES
30	Runtime Until Defrost (Timed)	DEFRCNTM	ANALOG	76	RW	0, 900, 360	MINUTES
31	Runtime Until Defrost (Adaptive)	DEFRCATM	ANALOG	78	RW	360, 900, 720	MINUTES
32	Defrost Termination Temp	DEFRTTMP	ANALOG	83	RW	35, 65, 55	DEGREES_FAHR-ENHEIT

BACnet Objects List

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No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
33	Defrost Relay 1 Control	DEFPOVER	MULTISTATE	94	RW	0, 1, 0	--
34	Minimum Cooling Run Time	CRQMINON	MULTISTATE	95	RW	0, 2, 2	--
35	Comp. Run Time Alert	CREQTIME	ANALOG	100	RW	0, 480, 120	MINUTES
36	Door Switch Config.	DOORCNFG	MULTISTATE	104	RW	0, 2, 0	--
37	Door Switch Time Delay	DOORATIM	MULTISTATE	105	RW	0, 6, 0	--
38	Defrost Pump Down Delay	DFEXVTIM	MULTISTATE	106	RW	0, 5, 0	--
39	Fan Control	FAN_CTRL	MULTISTATE	119	RO	0, 1, 0	--
40	Aux Relay Config.	AUX_CNFG	MULTISTATE	120	RO	0, 3, 0	--
41	Cut-Out Setpoint (Pack. Unit Comp. Ctrl.)	CUTOSETP	ANALOG	123	RW	-5, 60, 0	POUNDS_FORCE_PER_SQUARE_INCH
42	Cut-In Offset (Pack. Unit Comp. Ctrl.)	CUTIOFFS	ANALOG	124	RW	10, 50, 20	POUNDS_FORCE_PER_SQUARE_INCH
43	Last Defrost Duration	DEFRTIMM	ANALOG	211	RO	0, 4294967295	MINUTES
44	Runtime Until Next Defrost	DEFRNEXT	ANALOG	210	RO	0, 4000000000	MINUTES
45	Lifetime Defrost Cycles	DEFRCYCL	ANALOG	82	RO	0, 65535, 0	NO_UNITS
46	Force a Defrost?	DEFFORCE	BINARY	213	RW	0, 1	--
47	Digital Input #1	DIGITAL1	BINARY	293	RO	0, 1	--
48	Digital Input #2	DIGITAL2	BINARY	294	RO	0, 1	--

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No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
49	Digital Input #3	DIGITAL3	BINARY	295	RO	0, 1	---
50	Defrost Relay 1	DEF1RELY	BINARY	303	RO	0, 1	---
51	Defrost Relay 2	DEF2RELY	BINARY	304	RO	0, 1	---
52	Aux Relay 1	AUX1RELY	BINARY	300	RO	0, 1	---
53	Aux Relay 2	AUX2RELY	BINARY	302	RO	0, 1	---
54	EXV Current Position %	EXACTUAL	ANALOG	310	RO	0, 100	PERCENT
55	Calculated Superheat	EXVSUPER	ANALOG	327	RO	-999, 999	DELTA_DEGREES_FAHRENHEIT
56	Control Superheat Setpoint	EXVCSHSP	ANALOG	330	RO	0, 25	DELTA_DEGREES_FAHRENHEIT
57	Alarm #1	ALARM_01	CHARACTER-STRING	442	RO	---	---
58	Alarm #2	ALARM_02	CHARACTER-STRING	443	RO	---	---
59	Alarm History #1	ALARMH01	CHARACTER-STRING	468	RO	---	---
60	Alarm History #2	ALARMH02	CHARACTER-STRING	469	RO	---	---
61	Alarm History #3	ALARMH03	CHARACTER-STRING	470	RO	---	---
62	Alarm History #4	ALARMH04	CHARACTER-STRING	471	RO	---	---
63	Product Model Number	PRODMODN	CHARACTER-STRING	1	RO	---	---
64	Product Serial Number	PRODSERN	CHARACTER-STRING	2	RO	---	---

BACnet Objects List **HT-PG02-00-01-00**

No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
65	Product Location	PRODLOCA	CHARACTER-STRING	3	RW	---	---
66	EcoNet Software Version	SW_VERSN	CHARACTER-STRING	411	RO	---	---
67	Product Description	PRODESC	CHARACTER-STRING	4	RO	---	---
68	Leak Detector Config.	LEAKCNFG	MULTISTATE	126	RW	0, 2, 0	---
69	Leak Alarm Recovery Timer Config.	LRECTIMC	ANALOG	127	RW	5, 600, 10	SECONDS
70	Leak Alarm	LEAKALRM	BINARY	158	RO	0, 1	---
71	Comp. Minimum ON Timer (Pack. Unit)	AUX2CTMR	ANALOG	125	RW	10, 120, 60	SECONDS
72	System Enable Y/N	HTPGENAB	BINARY	103	RW	0, 1, 1	---
73	Superheat Setpoint Offset	EXVOSHSP	ANALOG	46	RW	0, 10, 3.5	DELTA_DEGREES_FAHRENHEIT
74	Alarm History Clear?	ALHISCLR	BINARY	441	RW	0, 1	---
75	Unit is in Follower Mode?	FOLLOWER	BINARY	180	RO	0, 1	---
76	Lead Lag Control Configuration	LEAD_LAG	MULTISTATE	131	RW	0, 2, 0	---
77	Lead Lag Partner Instance	LLMPINST	MULTISTATE	132	RW	0, 36, 0	---
78	Lead Lag Comp. Run Time Limit (Hours)	LLCLIMIT	MULTISTATE	133	RW	0, 23, 6	---
79	Lead Lag Control Status	LLAGCTRL	MULTISTATE	143	RO	0, 4	---
80	Lead Lag Run Status	LDLGSTAT	MULTISTATE	150	RO	0, 4	---

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No.	Description	BN Object Name	BN Type (_VALUE -Except DEVICE)	BN ID	BN Access	EN Limits	BN Units (BACNET_UNITS_)
81	Lead Lag Run Status -Partner	LDLGSTAP	MULTISTATE	151	RO	0, 4	--
82	Lead Lag Disable Command	LLDISABL	BINARY	149	RO	0, 1	--
83	Comp. Run Time Until Lead Lag Switch	LLSWNEXT	ANALOG	146	RO	0, 10000000	HOURS
84	Fan Delay Temp	EVLOTRIP	ANALOG	130	RW	25, 70, 35	DEGREES_FAHRENHEIT
85	Defrost Drain Time	DEFDTIME	ANALOG	86	RW	0, 600, 300	SECONDS
86	EXV Last Position Minimum	ELASTMIN	ANALOG	59	RW	15, 100, 35	PERCENT
87	EXV Last Position Maximum	ELASTMAX	ANALOG	60	RW	65, 100, 65	PERCENT
88	EXV Start Delay	EXVDELAY	ANALOG	48	RW	0, 255, 60	SECONDS



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