

FUNCTIONAL PROFILE:

GOLDen GATE Lonworks FTT-10, TBLZ-3-1-1-41, Version 5.20

GOLD Sizes 04-80, Version C, Program Version 5.07



General

This document describes the profile at the GOLD-LON interface.

The LON interface is a separate communication unit that solely transfers data to and from the control system in the GOLD air handling unit.

This edition of the GOLD-LON interface should be used for monitoring GOLD units sizes 04-80 ver. C, across a LON bus.

It is not possible to override the physical inputs of the GOLD air handling unit, only monitor them across the LON bus.

The temperature and air flow set points can be adjusted across the LON network. The functions in the GOLD control system can be adjusted, enabled or disabled. The integrated switching clock can also be set to the current time.

The interface is normally equipped with a Transceiver for Twisted Pair Open Topology (TP/FT-10).

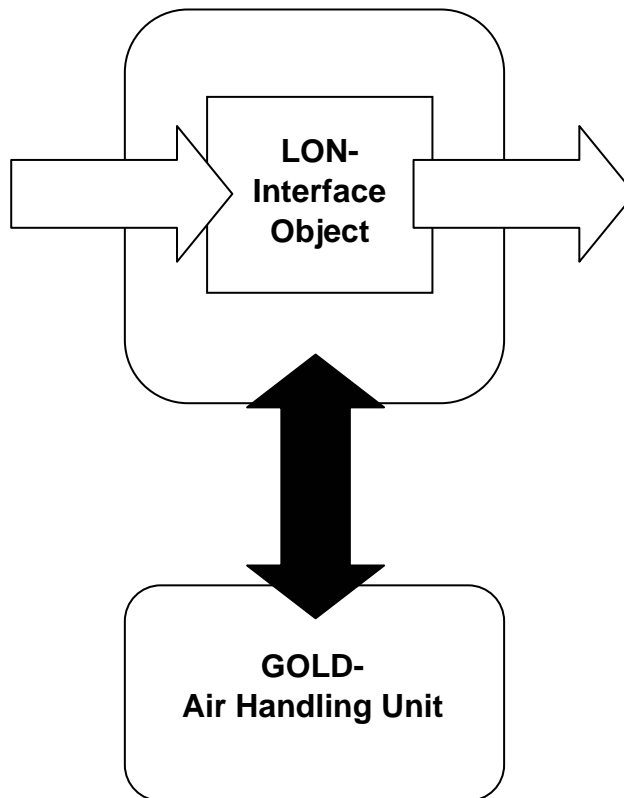
This is a ready-to-use module, developed and accepted by Echelon.

The LON software in the interface supports the self-documentation and Wink function and thus helps with installing nodes across a network manager.

The network variables are to SNVT Standard.

The LON Interface can be illustrated as follow:

Figure 1
Functional profile



Power-Up State

All the input variables have a 0 reading before communication with the GOLD air handling unit has been established.

When communication with the GOLD unit has been in progress for about 10 seconds, all the input variables have been upgraded with the values from the GOLD air handling unit's internal Flash.

This means that the input variables are always upgraded after a power failure and therefore always indicate the current value, as long as the communication is OK:

LED/Keyed Functions

Normal operation:

The "Module Status" LED will flash green.

The "Serial Status" LED will flash green whenever acknowledged communication with the GOLD takes place.

Service:

The "Service" LED will flash if the node has not been configured. Configuration is normally carried out by a LON manager. While the LON manager is configuring the node, the operator will be requested to depress "servicepin" to identify the node. The node has integrated self-identification and self-description of the parameters.

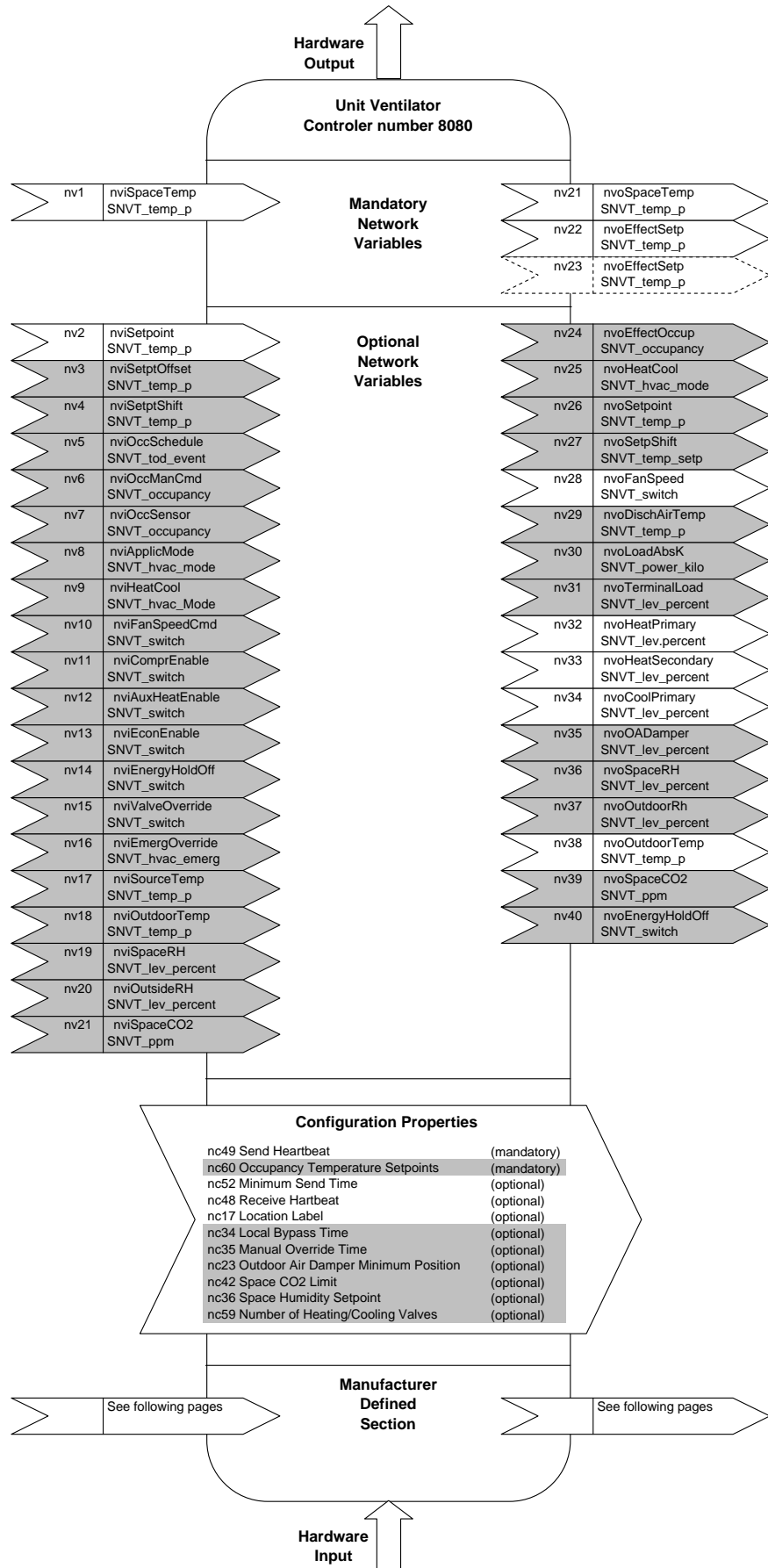
Wink Function

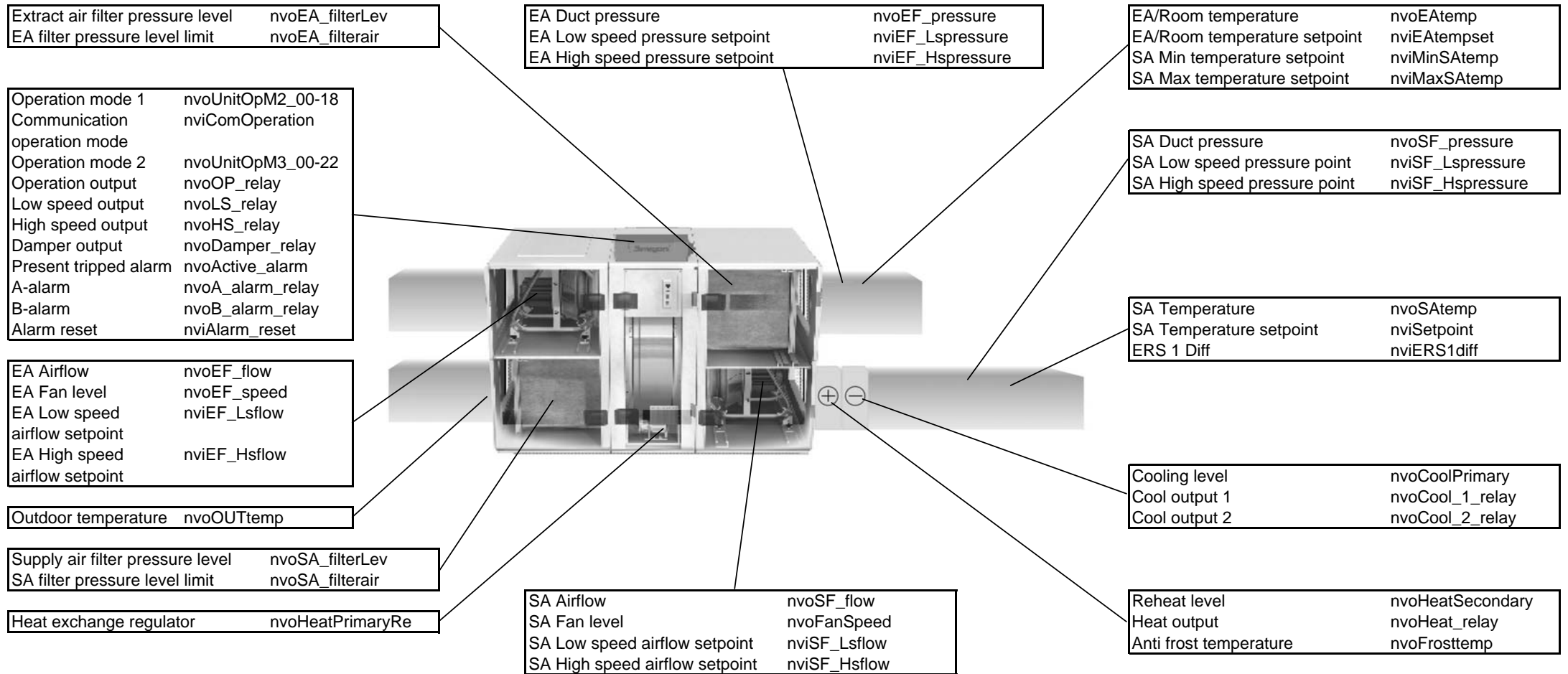
This command can be used for identifying the GOLD air handling unit.

The "Serial Status" LEDs green and red flash alternately for 15 seconds while the Wink command is being transmitted to the LON interface.

This input variable can be used for checking whether the LON network is intact up to the LON interface and for identifying a specific air handling unit if several units are connected to the same network.

Figure 2
Functional profile number 8080
of LonMark Unit Ventilator object
details(variables not implemented
in GOLD are greyed).





NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
0	100	nviAlarm_reset	Alarm Reset Act	0-1	SNVT_switch
1	101	nvoAlarm_reset	Alarm Reset		
			Resets tripped alarms.		
2	102	nviSF_boost_func	SF Boost Act	0-1	SNVT_switch
3	103	nvoSF_boost_func	SF Boost		
			Setting for activating the boost function for the supply air fan.		
4	104	nviEF_boost_func	EF Boost Act	0-1	SNVT_switch
5	105	nvoEF_boost_func	EF Boost		
			Setting for activating the boost function for the extract air fan.		
6	106	nviHX_defr_func	Defrost Heat X Act	0-1	SNVT_switch
7	107	nvoHX_defr_func	Defrost Heat X		
			Setting for activating the defrost function for the rotary heat exchanger.		
8	114	nviCool_OP_func	Cool In Auto Act	0-1	SNVT_switch
9	115	nvoCool_OP_func	Cool In Auto		
			Setting for cooling between off and auto operation.		
10	116	nviNH_func	Intrmt Nght Heat Act	0-1	SNVT_switch
11	117	nvoNH_func	Intrmt Nght Heat		
			Setting for activating the intermittent night heat function.		
12	118	nviNH_damp_func	Damper funct Act	0-1	SNVT_switch
13	119	nvoNH_damp_func	Damper funct		
			Setting for activating the damper output relay during int. night heat.		
14	120	nviSC_func	Smr Nght Cool Act	0-1	SNVT_switch
15	121	nvoSC_func	Smr Nght Cool		
			Setting for activating the summer night cool function.		
16	122	nviTempdisp_func	Temp Disp offset Act	0-1	SNVT_switch
17	123	nvoTempdisp_func	Temp Disp offset		
			Setting for activating the external temperature displacement function.		
18	124	nviTempcomp_func	Out Temp Comp Act	0-1	SNVT_switch
19	125	nvoTempcomp_func	Out Temp Comp		
			Setting for activating the outdoor temperature compensation function.		
20	126	nviFlowcomp_func	Out Flow Comp Act	0-1	SNVT_switch
21	127	nvoFlowcomp_func	Out Flow Comp		
			Setting for activating the outdoor airflow compensation function.		
22	128	nviAutoS/W_func	Auto Summer/Winter Act	0-1	SNVT_switch
23	129	nvoAutoS/W_func	Auto Summer/Winter		
			Setting for activating the automatic switch between summer/winter time function.		
24	130	nviTS_func	Time Chan. Func Act	0-1	SNVT_switch
25	131	nvoTS_func	Time Chan. Func		
			Setting for switch clock function type. 0=Stop - low speed - high speed. 1=Low speed - high speed.		
26	132	nviInt_fire_func	Int Fire AI Act	0-1	SNVT_switch
27	133	nvoInt_fire_func	Int Fire AI		
			Setting for activating the internal fire alarm function.		
28	136	nviExt_alr1_func	Ext AI1 Cond Func Act	0-1	SNVT_switch
29	137	nvoExt_alr1_func	Ext AI1 Cond Func		
			Setting for external alarm number 1 condition to be activated. 0= alarm at closed input. 1= alarm at open input.		
30	138	nviExt_alr2_func	Ext AI2 Cond Func Act	0-1	SNVT_switch
31	139	nvoExt_alr2_func	Ext AI2 Cond Func		
			Setting for external alarm number 2 condition to be activated. 0= alarm at closed input. 1= alarm at open input.		
32	623	nviDewpoint_func	Dewpoint Act	0-1	SNVT_switch
33	624	nvoDewpoint_func	Dewpoint		
			Setting for activating the dewpoint regulator funktion.		
34	625	nviDehumid_func	Dehumid Act	0-1	SNVT_switch
35	626	nvoDehumid_func	Dehumid		
			Setting for activating the dehumid regulator funktion.		
36	627	nviExt_fire_func	Ext Fire AI Act	0-1	SNVT_switch
37	628	nvoExt_fire_func	Ext Fire AI		
			Setting for external fire resetting function. 0=Manual. 1=Automatic.		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
38	629	nviExt_alr1_ReFu	Ext AI1 Res Func Act	0-1	SNVT_switch
39	630	nvoExt_alr1_ReFu	Ext AI1 Res Func		
			Setting for external alarm 1 resetting function. 0=Manual. 1=Automatic.		
40	631	nviExt_alr2_ReFu	Ext AI2 Res Func Act	0-1	SNVT_switch
41	632	nvoExt_alr2_ReFu	Ext AI2 Res Func		
			Setting for external alarm 2 resetting function. 0=Manual. 1=Automatic.		
42	633	nviTemp_alr_func	Temp Alarm Func Act	0-1	SNVT_switch
43	634	nvoTemp_alr_func	Temp Alarm Func		
			Setting for activating temperature below setpoint alarm function (no.80).		
44	635	nviNH_OP_func	Intrmt Nght Heat OP Act	0-1	SNVT_switch
45	636	nvoNH_OP_func	Intrmt Nght Heat OP		
			Setting for selecting the intermittent night heat output function. 0=IQnomic 1=IQnomic+		
46	1000	nviAYC_HeatOutFu	AYC heat out cmp func act	0-1	SNVT_switch
47	1001	nvoAYC_HeatOutFu	AYC heat out cmp func		
			Setting for selecting the AYC outdoor comp. heated water function. 0=Inactive 1=Active		
48	1002	nviAYC_HeatRoomF	AYC heat room cmp func act	0-1	SNVT_switch
49	1003	nvoAYC_HeatRoomF	AYC heat room cmp func		
			Setting for selecting the AYC room comp. heated water function. 0=Inactive 1=Active		
50	1004	nviAYC_HeRoNB_F	AYC heat room cmp NB func act	0-1	SNVT_switch
51	1005	nvoAYC_HeRoNB_F	AYC heat room cmp NB func		
			Setting for selecting the AYC room comp. heated water night block function. 0=Inactive 1=Active		
52	1006	nviAYC_HeatNC_F	AYC heat night cmp func act	0-1	SNVT_switch
53	1007	nvoAYC_HeatNC_F	AYC heat night cmp func		
			Setting for selecting the AYC night comp. heated water function. 0=Inactive 1=Active		
54	1008	nviAYC_HeatVaSiF	AYC heat valve sig func act	0-1	SNVT_switch
55	1009	nvoAYC_HeatVaSiF	AYC heat valve sig func		
			Setting for selecting the AYC valve signal heated water alarm function. 0=Inactive 1=Active		
56	1010	nviAYC_CoolOutFu	AYC cool out cmp func act	0-1	SNVT_switch
57	1011	nvoAYC_CoolOutFu	AYC cool out cmp func		
			Setting for selecting the AYC outdoor comp. chilled water function. 0=Inactive 1=Active		
58	1012	nviAYC_CoolRoomF	AYC cool room cmp func act	0-1	SNVT_switch
59	1013	nvoAYC_CoolRoomF	AYC cool room cmp func		
			Setting for selecting the AYC room comp. chilled water function. 0=Inactive 1=Active		
60	1014	nviAYC_CoRoNB_F	AYC cool room cmp NB func act	0-1	SNVT_switch
61	1015	nvoAYC_CoRoNB_F	AYC cool room cmp NB func		
			Setting for selecting the AYC room comp. chilled water night block function. 0=Inactive 1=Active		
62	1016	nviAYC_CoolNC_F	AYC cool night cmp func act	0-1	SNVT_switch
63	1017	nvoAYC_CoolNC_F	AYC cool night cmp func		
			Setting for selecting the AYC night comp. chilled water function. 0=Inactive 1=Active		
64	1018	nviAYC_CoolVaSiF	AYC cool valve sig func act	0-1	SNVT_switch
65	1019	nvoAYC_CoolVaSiF	AYC cool valve sig func		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Setting for selecting the AYC valve signal chilled water alarm function. 0=Inactive 1=Active		
66	142	nvoHeat_relay	Pmp Heat Status for relay output.	0-1	SNVT_switch
67	586	nvoCool_1_relay	Cool 1 Status for relay output.	0-1	SNVT_switch
68	587	nvoCool_2_relay	Cool 2 Status for relay output.	0-1	SNVT_switch
69	588	nvoLS_relay	Low Spd Status for relay output.	0-1	SNVT_switch
70	589	nvoHS_relay	High Spd Status for relay output.	0-1	SNVT_switch
71	590	nvoA_alarm_relay	Alarm A Status for relay output.	0-1	SNVT_switch
72	591	nvoB_alarm_relay	Alarm B Status for relay output.	0-1	SNVT_switch
73	592	nvoOP_relay	Operating Status for relay output.	0-1	SNVT_switch
74	593	nvoDamper_relay	Damper Status for relay output.	0-1	SNVT_switch
75	594	nvoExt_LS_inp	Ext Low Spd Status for digital input.	0-1	SNVT_switch
76	595	nvoExt_HS_inp	Ext High Spd Status for digital input.	0-1	SNVT_switch
77	596	nvoExt_alarm1inp	Ext Alarm A Status for digital input.	0-1	SNVT_switch
78	597	nvoExt_alarm2inp	Ext Alarm B Status for digital input.	0-1	SNVT_switch
79	598	nvoExt_fire_inp	Ext Fire Status for digital input.	0-1	SNVT_switch
80	599	nvoExt_stop_inp	Ext Stop Status for digital input.	0-1	SNVT_switch
81	600	nvoDip1	DIL 1 Status for dip switch setting.	0-1	SNVT_switch
82	601	nvoDip2	DIL 2 Status for dip switch setting.	0-1	SNVT_switch
83	602	nvoDip3	DIL 3 Status for dip switch setting.	0-1	SNVT_switch
84	603	nvoDip4	DIL 4 Status for dip switch setting.	0-1	SNVT_switch
85	604	nvoDip5	DIL 5 Status for dip switch setting.	0-1	SNVT_switch
86	605	nvoDip6	DIL 6 Status for dip switch setting.	0-1	SNVT_switch
87	1020	nvoAYC_HeatPmpRe	AYC heat pmp output Status for AYC heat pump output.	0-1	SNVT_switch
88	1021	nvoAYC_CoolPmpRe	AYC cool pmp output Status for AYC cool pump output.	0-1	SNVT_switch
89	637	nvoCHX_relay	C.HX. Pump output Status for coil heat exchanger pump output.	0-1	SNVT_switch
90	638	nvoRHX_rotation	R.HX rotation monitor Status from the rotation detector.	0-1	SNVT_switch
91	639	nvoXzone_heat_re	Xzone heat output Status for relay output.	0-1	SNVT_switch
92	640	nvoXzone_cool_r1	Xzone cool output 1 Status for relay output.	0-1	SNVT_switch
93	641	nvoXzone_cool_r2	Xzone cool output 2 Status for relay output.	0-1	SNVT_switch
94	642	nvoPreHeat_relay	Pre-heat output Status for relay output.	0-1	SNVT_switch
95	1022	nvoIO3_relay_1	IO-mod 3 output 1 Status for I/O-module no. 3 relay 1 output.	0-1	SNVT_switch
96	1023	nvoIO3_relay_2	IO-mod 3 output 2 Status for I/O-module no. 3 relay 2 output.	0-1	SNVT_switch
97	606	nvoAlarmOut	Alarm Out		SNVT_alarm

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Location = "GOLD". Object ID = Alarm number (0-200). Alarm type = Contains either no alarm or an unspecified alarm. Priority level = alarm priority (No comm.=3, A=1, B=2 and none=0). Index to SNVT = Not used. Always set at 0. Value = Not used Always set at 0. Year, month, day = Date when alarm tripped. Alarm limit = Not used. Always set at 0.		
98	941	nvoAlarm_1-64	Alarm no. 1-64		SNVT_state_64
			Status for alarm 1-64. Bit 0 = Alarm 1. Bit 1 = Alarm 2. Bit 63 = Alarm 64.		
99	942	nvoAlarm_65-128	Alarm no. 65-128		SNVT_state_64
			Status for alarm 65-128. Bit 0 = Alarm 65. Bit 1 = Alarm 66. Bit 63 = Alarm 128.		
100	943	nvoAlarm_129-192	Alarm no. 129-192		SNVT_state_64
			Status for alarm 129-192. Bit 0 = Alarm 129. Bit 1 = Alarm 130. Bit 63 = Alarm 192.		
101	944	nvoAlarm_193-200	Alarm no. 193-200		SNVT_state_64
			Status for alarm 193-200. Bit 0 = Alarm 193. Bit 1 = Alarm 194. Bit 7 = Alarm 200.		
102	945	nvoInfo_1-64	Info no. 1-64		SNVT_state_64
			Status for info 1-64. Bit 0 = Info 1. Bit 1 = Info 2. Bit 63 = Info 64.		
103	143	nvoSF_flow	Sup AF	0-8200/s	SNVT_flow
			Present supply airflow.		
104	144	nvoSF_flowreg	Sup AF reg	0-8200/s	SNVT_flow
			Present supply airflow regulator setpoint.		
105	145	nvoEF_flow	Ext AF	0-8200/s	SNVT_flow
			Present extract airflow.		
106	146	nvoEF_flowreg	Ext AF reg	0-8200/s	SNVT_flow
			Present extract airflow regulator setpoint.		
107	147	nvoSF_pressure	Sup air duct pres	0-2000Pa	SNVT_press_p
			Present supply air duct pressure.		
108	149	nvoSF_press_reg	Sup air duct pres reg	0-2000Pa	SNVT_press_p
			Present supply air duct pressure regulator setpoint.		
109	148	nvoEF_pressure	Ext air duct pres	0-2000Pa	SNVT_press_p
			Present extract air duct pressure.		
110	150	nvoEF_press_reg	Ext air duct pres reg	0-2000Pa	SNVT_press_p
			Present extract air duct pressure regulator setpoint.		
111	151	nvoSF_boost_lev	In sig supp air VAV dmnd or bst func	0-100.00%	SNVT_lev_percent
			Present input signal for supply air VAV demand or boosting function.		
112	152	nvoSF_boost_reg	SA VAV dmnd regulator	0-100.00%	SNVT_lev_percent
			Present supply air VAV demand regulator setpoint.		
113	153	nvoEF_boost_lev	In sig EA VAV dmnd or bst func	0-100.00%	SNVT_lev_percent
			Present input signal for extract air VAV demand or boosting function.		
114	154	nvoEF_boost_reg	In sig EA VAV dmnd or bst func	0-100.00%	SNVT_lev_percent
			Present supply air VAV demand regulator setpoint.		
115	28	nvoFanSpeed	Fan Speed Output	0-100.00%	SNVT_switch
			Present running level for the supply air fan.		
116	155	nvoEF_speed	Run lvl ext air fan	0-100.00%	SNVT_switch
			Present running level for the extract air fan.		
117	156	nvoSF_effect	Consm lev for sup air fan	0-6500W	SNVT_power
			Present power consumption level for the supply air fan.		
118	157	nvoEF_effect	Consm lev for ext air fan	0-6500W	SNVT_power
			Present power consumption level for the extract air fan.		
119	643	nvoSFP	SFP	0.0-9.9	SNVT_lev_percent
			SFP supply air + extract air.		
120	158	nvoSF_frequency	Freq sup air fan	0-100.00Hz	SNVT_freq_hz
			Present frequency level for the supply air fan.		
121	159	nvoEF_frequency	Freq ext air fan	0-100.00Hz	SNVT_freq_hz

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Present frequency level for the extract air fan.		
122	607	nvoSF_voltage	Volt sup air fan	0-500V	SNVT_volt
			Present voltage level for the supply air fan.		
123	608	nvoEF_voltage	Volt ext air fan	0-500V	SNVT_volt
			Present voltage level for the extract air fan.		
124	160	nvoSF_current	Current sup air fan	0-30.000A	SNVT_amp
			Present current level for the supply air fan.		
125	161	nvoEF_current	Current ext air fan	0-30.000A	SNVT_amp
			Present current level for the extract air fan.		
126	844	nvoSF_fan_press	Sup air pres	0-2000Pa	SNVT_press_p
			Present airflow pressure in the supply air fan inlet.		
127	845	nvoEF_fan_press	Ext air pres	0-2000Pa	SNVT_press_p
			Present airflow pressure in the extract air fan inlet.		
128	22	nvoEffectSetpt	Effective Setpoint Output (sup air)	-55.00-125.00°C	SNVT_temp_p
			Present supply air temperature regulator setpoint.		
129	162	nvoEAtempset_reg	Ext air temp regulator	-55.00-125.00°C	SNVT_temp_p
			Present extract air temperature regulator setpoint.		
130	163	nvoSAtemp	Sup air temp	-55.00-125.00°C	SNVT_temp_p
			Present supply air temperature.		
131	164	nvoEAtemp	Ext air/room temp in unit	-55.00-125.00°C	SNVT_temp_p
			Present extract air/room temperature in the unit.		
132	165	nvoOUTtemp	Outd air temp in unit	-55.00-125.00°C	SNVT_temp_p
			Present outdoor air temperature in the unit.		
133	1	nviSpaceTemp	Space Temperature Input	-55.00-125.00°C	SNVT_temp_p
134	21	nvoSpaceTemp	Space Temperature Input	-55.00-125.00°C	SNVT_temp_p
			Present room temperature external from the unit. nviSpaceTemp Not used in present SW version. Se also nviRoomTempComSe NV index 632.		
135	38	nvoOutdoorTemp	Outdoor Air Temperature Output	-55.00-125.00°C	SNVT_temp_p
			Present outdoor air temperature external from the unit.		
136	166	nvoFrosttemp	Anti frost temp	-55.00-125.00°C	SNVT_temp_p
			Present anti frost temperature for water reheating coils.		
137	846	nvoTempsens3	Tempsens3	-55.00-125.00°C	SNVT_temp_p
			Present temperature for temp sensor no.3		
138	847	nvoTempsens4	Tempsens4	-55.00-125.00°C	SNVT_temp_p
			Present temperature for temp sensor no.4		
139	32	nvoHeatPrimary	Prim Heat Output	0-100.00%	SNVT_lev_percent
			Present operation level from rotary heat exchanger.		
140	33	nvoHeatSecondary	Sec Heat Output	0-100.00%	SNVT_lev_percent
			Present level of reheat.		
141	167	nvoSFdownreg	Lev sup air dwn reg	0-100.00%	SNVT_lev_percent
			Present level of supply airflow down regulation.		
142	168	nvoEXreg	Lev extra reg seq	0-100.00%	SNVT_lev_percent
			Present level of the extra regulation sequence.		
143	34	nvoCoolPrimary	Primary Cool Output	0-100.00%	SNVT_lev_percent
			Present level of cooling.		
144	169	nvoHeatboost	Lev heat boost	0-100.00%	SNVT_lev_percent
			Present level of heating boost.		
145	170	nvoCoolboost	Lev cool boost	0-100.00%	SNVT_lev_percent
			Present level of cooling boost.		
146	171	nvoHX_pressure	Press drop rot heat exchr	0-2000Pa	SNVT_press_p
			Present pressure drop for the rotary heat exchanger.		
147	172	nvoHX_pressalr	Press drop alarm lmt rot heat exchr	0-2000Pa	SNVT_press_p
			Present pressure drop alarm limit for the rotary heat exchanger.		
148	848	nvoHX_temp_cont	HX temp inside control	0.00-100.00°C	SNVT_temp_p
			Present temperature inside the control unit for the rotary heat exchanger.		
149	173	nvoEffectred	Lev elctr rhtrs	0-100.00%	SNVT_lev_percent
			Present level of max output signal for electrical reheaters, active during low supply airflow.		
150	849	nvoFrostSetOp	Anti frost temp set operation	10.00-16.00°C	SNVT_temp_p
			Present anti frost temperature setpoint for water reheating coils during unit operation.		
151	850	nvoFrostSetStop	Anti frost temp set stop	15.00-40.00°C	SNVT_temp_p
			Present anti frost temperature setpoint for water reheating coils when the unit is in stop.		
152	851	nvoFrostAlLimit	Anti frost temp alarm limit	5.00-30.00°C	SNVT_temp_p
			Setting of antifrost temperature alarm limit.		
153	174	nvoSA_filterLev	Sup air flt prs drop	0-2000Pa	SNVT_press_p
			Present supply air filter pressure drop.		
154	175	nvoSA_filteralr	Sup air flt prs drop alm lev	0-2000Pa	SNVT_press_p
			Present supply air filter pressure alarm limit.		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
155	852	nvoSA_filterLevN	Sup air flt prs drop new Supply air filter pressure saved from calibration.	0-2000Pa	SNVT_press_p
156	176	nvoEA_filterLev	Ext air flt prs drop Present extract air filter pressure drop.	0-2000Pa	SNVT_press_p
157	177	nvoEA_filteralr	Ext air flt prs drop alm lev Present extract air filter pressure alarm limit.	0-2000Pa	SNVT_press_p
158	853	nvoEA_filterLevN	Ext air flt prs drop new Extract air filter pressure saved from calibration.	0-2000Pa	SNVT_press_p
159	178	nvoTempdisplace	Temp displacement frm inpt sig Present temperature displacement from input signal.	-5.00 - 5.00°C	SNVT_temp_p
160	179	nvoBatttype	Reheat coil type Present connected reheat coil type.	0-20	SNVT_count
161	180	nvoCoolstep_rem	Time btwn cool step shift Present time between cool step shift.	0-600s	SNVT_time_sec
162	181	nvoCool1_res_rem	Time btwn strt of cool rly 1. Present time between two starts of cool relay 1.	0-900s	SNVT_time_sec
163	182	nvoCool2_res_rem	Time btwn strt of cool rly 2. Present time between two starts of cool relay 2.	0-900s	SNVT_time_sec
164	183	nvoCPUver	Prog ver main ctrl unit Present programversion for the main control unit.	0-9999	SNVT_count
165	184	nvoWeekday	Day of week Present weekday for the unit's internal clock.		SNVT_date_day
166	185	nvoExtendLS_hour	Extnd low spd hour Present time for extended low speed operation.	0-23	SNVT_time_hour
167	186	nvoExtendLS_min	Extnd low spd min Present time for extended low speed operation.	0-59	SNVT_time_min
168	185	nvoExtendHS_hour	Extnd high spd hour Present time for extended high speed operation.	0-23	SNVT_time_hour
169	186	nvoExtendHS_min	Extnd high spd min Present time for extended high speed operation.	0-59	SNVT_time_min
170	187	nvoSF_Optime	Sup air fan op time days Present operation time for the supply air fan, measured in minutes and present in days (24h).	0-9999	SNVT_count
171	188	nvoEF_Optime	Ext air fan op time days Present operation time for the extract air fan, measured in minutes and present in days (24h).	0-9999	SNVT_count
172	189	nvoCool_Optime	Cooling op time days Present operation time for cooling, measured in minutes and present in days (24h).	0-9999	SNVT_count
173	190	nvoHX_Optime	HeatX op time days Present operation time for heat exchange, measured in minutes and present in days (24h).	0-9999	SNVT_count
174	191	nvoHeat_Optime	Reheat op time days Present operation time for reheat, measured in minutes and present in days (24h).	0-9999	SNVT_count
175	192	nvoActive_alarm	Alrm Present tripped alarm number with highest priority.	0-200	SNVT_count
176	193	nvoDelay_alarm1	Delayed Alrm1 Present active alarm in delay.	0-200	SNVT_count
177	194	nvoDelay_alarm2	Delayed Alrm2 Present active alarm in delay.	0-200	SNVT_count
178	195	nvoDelay_alarm3	Delayed Alrm3 Present active alarm in delay.	0-200	SNVT_count
179	196	nvoSF_size	Sup air fan size Present supply air fan size.	04 - 80	SNVT_count
180	197	nvoEF_size	Ext air fan size Present extract air fan size.	04 - 80	SNVT_count
181	198	nvoUnitOpM2_00	Stop Operation mode 2=Stop.	0-1	SNVT_switch
182	199	nvoUnitOpM2_01	Ext Stop Operation mode 2=Ext. Stop	0-1	SNVT_switch
183	200	nvoUnitOpM2_02	Com Stop 1 Operation mode 2=Com. Stop 1.	0-1	SNVT_switch
184	201	nvoUnitOpM2_03	High spd Operation mode 2=High speed.	0-1	SNVT_switch
185	202	nvoUnitOpM2_04	Smrnight Cool Operation mode 2=Summer night cooling.	0-1	SNVT_switch
186	203	nvoUnitOpM2_05	Int nightheat Operation mode 2=Int. night heat.	0-1	SNVT_switch
187	204	nvoUnitOpM2_06	Lw spd Operation mode 2=Low speed	0-1	SNVT_switch
188	205	nvoUnitOpM2_07	Ext high spd Operation mode 2=Ext. high speed.	0-1	SNVT_switch

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
189	206	nvoUnitOpM2_08	Com high spd Operation mode 2=Com. high speed.	0-1	SNVT_switch
190	207	nvoUnitOpM2_09	Switch clk stop Operation mode 2=Switch clock=stop.	0-1	SNVT_switch
191	208	nvoUnitOpM2_10	High spd 1Operation mode 2=High speed.	0-1	SNVT_switch
192	209	nvoUnitOpM2_11	Lw spd Operation mode 2=Low speed.	0-1	SNVT_switch
193	210	nvoUnitOpM2_12	High spd Operation mode 2=High speed.	0-1	SNVT_switch
194	211	nvoUnitOpM2_13	Ext Lw spd Operation mode 2=Ext. low speed.	0-1	SNVT_switch
195	212	nvoUnitOpM2_14	Com Lw spd Operation mode 2=Com. low speed.	0-1	SNVT_switch
196	213	nvoUnitOpM2_15	Lw spd Operation mode 2=Low speed.	0-1	SNVT_switch
197	214	nvoUnitOpM2_16	Switch clk stop Operation mode 2=Switch clock=stop.	0-1	SNVT_switch
198	215	nvoUnitOpM2_17	Lw spd stop Operation mode 2=Low speed=stop.	0-1	SNVT_switch
199	615	nvoUnitOpM2_18	Com Stop 2 Operation mode 2=Com. Stop 2.	0-1	SNVT_switch
200	216	nvoUnitOpM3_00	Operation mode 3=Not used.	0-1	SNVT_switch
201	217	nvoUnitOpM3_01	Coold air recovery Operation mode 3=Coold air recovery.	0-1	SNVT_switch
202	218	nvoUnitOpM3_02	Cooling boost Operation mode 3=Cooling boost.	0-1	SNVT_switch
203	219	nvoUnitOpM3_03	SA down reg Operation mode 3=SA down regulation.	0-1	SNVT_switch
204	220	nvoUnitOpM3_04	HX defr Operation mode 3=HX defrosting.	0-1	SNVT_switch
205	221	nvoUnitOpM3_05	Anti frost func. Act Operation mode 3=Anti frost func. active.	0-1	SNVT_switch
206	222	nvoUnitOpM3_06	Effect reduct Operation mode 3=Effect reduction.	0-1	SNVT_switch
207	223	nvoUnitOpM3_07	Startup Operation mode 3=Startup.	0-1	SNVT_switch
208	224	nvoUnitOpM3_08	Zero cal Operation mode 3=Zero calibration.	0-1	SNVT_switch
209	225	nvoUnitOpM3_09	Ext Lw spd Operation mode 3=Extended low speed.	0-1	SNVT_switch
210	226	nvoUnitOpM3_10	Ext High spd Operation mode 3=Extended high speed.	0-1	SNVT_switch
211	227	nvoUnitOpM3_11	Air adjust Operation mode 3=Air adjustment.	0-1	SNVT_switch
212	228	nvoUnitOpM3_12	Cooling off Operation mode 3=Cooling off.	0-1	SNVT_switch
213	229	nvoUnitOpM3_13	Purging R.HX Operation mode 3=Purging R.HX.	0-1	SNVT_switch
214	230	nvoUnitOpM3_14	Ext R.HX. Op Operation mode 3=Extended R.HX. op.	0-1	SNVT_switch
215	231	nvoUnitOpM3_15	Filter cal Operation mode 3=Filter calibration.	0-1	SNVT_switch
216	232	nvoUnitOpM3_16	RH.HX cal Operation mode 3=R.HX. calibration	0-1	SNVT_switch
217	233	nvoUnitOpM3_17	Morning bst Operation mode 3=Morning boost.	0-1	SNVT_switch
218	234	nvoUnitOpM3_18	Heat bst Operation mode 3=Heating boost.	0-1	SNVT_switch
219	235	nvoUnitOpM3_19	Alarm Operation mode 3=Alarm.	0-1	SNVT_switch
220	616	nvoUnitOpM3_20	CoolDX press red Operation mode 3=CoolDX pressure reduction.	0-1	SNVT_switch
221	617	nvoUnitOpM3_21	Startup EA fan Operation mode 3=Startup extract air fan.	0-1	SNVT_switch
222	618	nvoUnitOpM3_22	Fan heat retention Operation mode 3=Fan heat retention.	0-1	SNVT_switch
223	236	nvoUnitOpM1_Stop	Stop Present manual operation set on the unit's handterminal, Stop	0-1	SNVT_switch
224	237	nvoUnitOpM1_Auto	Auto	0-1	SNVT_switch

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Present manual operation set on the unit's handterminal, Auto operation		
225	238	nvoUnitOpM1_LS	LS Present manual operation set on the unit's handterminal, Manual low speed	0-1	SNVT_switch
226	239	nvoUnitOpM1_HS	HS Present manual operation set on the unit's handterminal, Manual high speed.	0-1	SNVT_switch
227	644	nvoHeatPrimaryRe	Heat exchange reg Present level of heat exchange regulator RX/CX/PX.	0-100.00%	SNVT_lev_percent
228	645	nvoEA_humidity	Extract air-humidity Present level of extract air-humidity.	0-100.00%	SNVT_lev_percent
229	646	nvoEA_humidity_t	Extract air-humidity temp Present temperature inside extract air-humidity sensor.	-55.00-125.00°C	SNVT_temp_p
230	647	nvoEA_dewpoint	Extract air-dewpoint Calculated extract air-dewpoint.	-55.00-125.00°C	SNVT_temp_p
231	648	nvoAYC_Cool_Tmp	AYC cool temp Present AYC chilled water temperature.	-55.00-125.00°C	SNVT_temp_p
232	649	nvoAYC_Cool_Reg	AYC cool temp reg Present AYC chilled water temperature regulator setpoint.	-55.00-125.00°C	SNVT_temp_p
233	650	nvoAYC_CoolValve	AYC cool valve output Present level of AYC chilled water valve output.	0-100.00%	SNVT_lev_percent
234	651	nvoSA_dewpoint_r	Supply air-dewpoint reg Present supply air-dewpoint regulator setpoint.	-55.00-125.00°C	SNVT_temp_p
235	652	nvoSA_humidity	Supply air-humidity Present level of supply air-humidity	0-100.00%	SNVT_lev_percent
236	653	nvoSA_humidity_t	Supply air-humidity temp Present temperature inside supply air-humidity sensor.	-55.00-125.00°C	SNVT_temp_p
237	654	nvoSA_dewpoint	Supply air-dewpoint Calculated supply air-dewpoint.	-55.00-125.00°C	SNVT_temp_p
238	655	nvoCHX_temp	C.HX. Temp Present temperature of coil heat exchanger.	-55.00-125.00°C	SNVT_temp_p
239	656	nvoPHX_temp_1	P.HX. Temp 1 Present temperature 1 of plate heat exchanger.	-55.00-125.00°C	SNVT_temp_p
240	657	nvoPHX_temp_2	P.HX. Temp 2 Present temperature 2 of plate heat exchanger.	-55.00-125.00°C	SNVT_temp_p
241	658	nvoPCHX_humidity	P/C.HX. Humidity Present level of air-humidity in plate/coil heat exchanger.	0-100.00%	SNVT_lev_percent
242	659	nvoRHX_eff	R.HX. Efficiency Calculated level of rotary heat exchanger efficiency.	0-100.00%	SNVT_lev_percent
243	660	nvoCHX_valve_op	C.HX. Valve output Present level of coil heat exchanger valve output.	0-100.00%	SNVT_lev_percent
244	661	nvoPHX_bypass_op	P.HX. bypass output Present level of plate heat exchanger bypass output.	0-100.00%	SNVT_lev_percent
245	662	nvoSA_PfilterLev	Sup air prefit prs drop Present supply air prefilter pressure drop.	50-300Pa	SNVT_press_p
246	663	nvoSA_Pfilteralr	Sup air prefit prs drop alarm lev Present supply air prefilter pressure alarm limit.	50-300Pa	SNVT_press_p
247	854	nvoSA_PfiltLevN	Sup air prefit prs drop new Supply air prefilter pressure saved from calibration.	50-300Pa	SNVT_press_p
248	664	nvoEA_PfilterLev	Ext air prefit prs drop Present extract air prefilter pressure drop.	50-300Pa	SNVT_press_p
249	665	nvoEA_Pfilteralr	Ext air prefit prs drop alarm lev Present extract air prefilter pressure alarm limit.	50-300Pa	SNVT_press_p
250	855	nvoEA_PfiltLevN	Ext air prefit prs drop new Extract air prefilter pressure saved from calibration.	50-300Pa	SNVT_press_p
251	666	nvoXzoneHeatSec	Xzone Sec Heat Output Present level of Xzone reheat.	0-100.00%	SNVT_lev_percent
252	667	nvoXzoneFrosttem	Xzone Anti frost temp Present anti frost temperature for water reheating coils.	-55.00-125.00°C	SNVT_temp_p
253	668	nvoXzoneCoolPrim	Xzone Primary Cool Output Present level of Xzone cooling.	0-100.00%	SNVT_lev_percent
254	669	nvoXzoneCoolStep	Time btwn Xzone cool step shift Present time between Xzone cool step shift.	0-600s	SNVT_time_sec
255	670	nvoXzoneCool1Res	Time btwn strt of Xzone cool rly 1. Present time between two starts of Xzone cool relay 1.	0-900s	SNVT_time_sec
256	671	nvoXzoneCool2Res	Time btwn strt of Xzone cool rly 2. Present time between two starts of Xzone cool relay 2.	0-900s	SNVT_time_sec

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
257	672	nvoXZ_SAtemp_reg	Xzone SA temp reg Present Xzone supply air temperature regulator setpoint.	-55.00-125.00°C	SNVT_temp_p
258	673	nvoXZ_EAtemp_reg	Xzone EA temp reg Present Xzone extract air temperature regulator setpoint.	-55.00-125.00°C	SNVT_temp_p
259	674	nvoXzone_SA_temp	Xzone SA temp Present Xzone supply air temperature.	-55.00-125.00°C	SNVT_temp_p
260	675	nvoXzone_EA_temp	Xzone EA/Room temp Present Xzone extract air/room temperature.	-55.00-125.00°C	SNVT_temp_p
261	676	nvoPreHeat_temp	Pre-heat air temp Present pre-heating air temperature.	-55.00-125.00°C	SNVT_temp_p
262	677	nvoPreHeat_level	Pre-heat level Present level of pre-heating.	0-100.00%	SNVT_lev_percent
263	678	nvoPreHeatFrostT	Pre-heat anti frost temp Present anti frost temperature for water pre-heating coils.	-55.00-125.00°C	SNVT_temp_p
264	679	nvoReCO2_CO2_inp	ReCO2 CO2 input Present input signal for ReCO2 CO2.	0-100.00%	SNVT_lev_percent
265	680	nvoReCO2_IntDamp	ReCO2 internal damper output Present output signal for ReCO2 internal damper.	0-100.00%	SNVT_lev_percent
266	681	nvoReCO2_ExtDamp	ReCO2 external damper output Present output signal for ReCO2 external damper.	0-100.00%	SNVT_lev_percent
267	682	nvoReCO2_OutAirF	ReCO2 outdoor airflow Present ReCO2 outdoor airflow.	0-8200/s	SNVT_flow
268	683	nvoReCO2_OAF_reg	ReCO2 outdoor airflow reg Present ReCO2 outdoor airflow regulator setpoint.	0-8200/s	SNVT_flow
269	684	nvoReCO2_OAFPRES	ReCO2 outdoor airflow press Present ReCO2 outdoor airflow pressure.	0-2000Pa	SNVT_press_p
270	685	nvoPreHeatOpTime	Preheat operation time Present operation time for preheat, measured in minutes and present in days (24h).	0-9999	SNVT_count
271	686	nvoXZ_CoolOpTime	Xzone cool operation time Present operation time for Xzone cooling, measured in minutes and present in days (24h).	0-9999	SNVT_count
272	687	nvoXZ_ReheatOpTi	Xzone reheat operation time Present operation time for Xzone reheat, measured in minutes and present in days (24h).	0-9999	SNVT_count
273	1024	nvoSA_D_temp	Supply air-D temp Present supply air-D temperature.	-55.00-125.00°C	SNVT_temp_p
274	1025	nvoEA_D_temp	Extract air-D temp Present extract air-D temperature.	-55.00-125.00°C	SNVT_temp_p
275	1026	nvoAYC_Heat_temp	AYC heat temp Present AYC heat temperature.	-55.00-125.00°C	SNVT_temp_p
276	1027	nvoAYC_Heat_reg	AYC heat temp reg Present AYC heat temperature regulator setpoint.	-55.00-125.00°C	SNVT_temp_p
277	1028	nvoAYC_HeatValve	AYC heat valve output Present level of AYC heat valve output.	0-100.00%	SNVT_lev_percent
278	240	nvisF_LSflow	Sup air flow lw spd	0-8200/s	SNVT_flow
279	241	nvoSF_LSflow	Sup air flow lw spd Supply airflow setpoint for the unit when running in low speed operation.		
280	242	nvisF_HSflow	Sup air flow high spd	0-8200/s	SNVT_flow
281	243	nvoSF_HSflow	Sup air flow high spd Supply airflow setpoint for the unit when running in high speed operation.		
282	244	nvisF_Maxflow	SA Max speed AF	0-8200/s	SNVT_flow
283	245	nvoSF_Maxflow	SA Max speed AF Supply airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
284	246	nvisF_Minflow	SA Min speed AF	0-8200/s	SNVT_flow
285	247	nvoSF_Minflow	SA Min speed AF Supply airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.		
286	248	nviEF_LSflow	Ext AF lw spd	0-8200/s	SNVT_flow
287	249	nvoEF_LSflow	Ext AF lw spd Extract airflow setpoint for the unit when running in low speed operation.		
288	250	nviEF_HSflow	Ext AF high spd	0-8200/s	SNVT_flow
289	251	nvoEF_HSflow	Ext AF high spd Extract airflow setpoint for the unit when running in high speed operation.		
290	252	nviEF_Maxflow	EA Max spd airflow	0-8200/s	SNVT_flow
291	254	nvoEF_Maxflow	EA Max spd airflow		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Extract airflow max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
292	255	nviEF_Minflow	EA Min spd airflow	0-8200/s	SNVT_flow
293	256	nvoEF_Minflow	EA Min spd airflow		
			Extract airflow min. limit for the unit when the low/high speed operation setpoint is altered when running in fan regulation mode VAV demand.		
294	257	nviSF_LSpresure	SA Low spd pres	0-750Pa	SNVT_press_p
295	258	nvoSF_LSpresure	SA Low spd pres		
			Supply air duct pressure setpoint for the unit when running in low speed operation.		
296	259	nviSF_HSpresure	SA High spd pres	20-750Pa	SNVT_press_p
297	260	nvoSF_HSpresure	SA High spd pres		
			Supply air duct pressure for the unit when running in high speed operation.		
298	261	nviSF_Maxspeed	SA Max spd output sig	0-100.00%	SNVT_lev_percent
299	262	nvoSF_Maxspeed	SA Max spd output sig		
			Max. limit for the supply air fan speed when running in pressure regulation mode.		
300	263	nviSF_Maxpress	SA Max spd pres	20-750Pa	SNVT_press_p
301	264	nvoSF_Maxpress	SA Max spd pres		
			Supply air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
302	265	nviEF_LSpresure	EA Low spd pres	0-750Pa	SNVT_press_p
303	266	nvoEF_LSpresure	EA Low spd pres stat		
			Extract air duct pressure setpoint for the unit when running in low speed operation.		
304	267	nviEF_HSpresure	EA High spd pres	20-750Pa	SNVT_press_p
305	268	nvoEF_HSpresure	EA High spd pres		
			Extract air duct pressure setpoint for the unit when running in high speed operation.		
306	269	nviEF_Maxspeed	EA Max spd output sig	0-100.00%	SNVT_lev_percent
307	270	nvoEF_Maxspeed	EA Max spd output sig		
			Max. limit for the extract air fan speed when running in pressure regulation mode.		
308	271	nviEF_Maxpress	EA Max spd pres	20-750Pa	SNVT_press_p
309	272	nvoEF_Maxpress	EA Max spd pres		
			Extract air duct pressure max. limit for the unit when the low/high speed operation setpoint is altered by boosting function etc.		
310	273	nviSF_Lsdemand	SA Low spd dmnd	0-100.00%	SNVT_lev_percent
311	274	nvoSF_Lsdemand	SA Low spd dmnd		
			Supply air setpoint for the 0-10V input signal on terminal 30..31 for the unit when running in low speed operation.		
312	275	nviSF_Hsdemand	SA High spd dmnd	0-100.00%	SNVT_lev_percent
313	276	nvoSF_Hsdemand	SA High spd dmnd		
			Supply air setpoint for the 0-10V input signal on terminal 30..31 for the unit when running in high speed operation.		
314	277	nviEF_Lsdemand	EA Low spd dmnd	0-100.00%	SNVT_lev_percent
315	278	nvoEF_Lsdemand	EA Low spd dmnd		
			Extract air setpoint for the 0-10V input signal on terminal 30..31 for the unit when running in low speed operation.		
316	279	nviEF_Hsdemand	EA High spd dmnd	0-100.00%	SNVT_lev_percent
317	280	nvoEF_Hsdemand	EA High spd dmnd		
			Extract air setpoint for the 0-10V input signal on terminal 30..31 for the unit when running in high speed operation.		
318	281	nviSF_FlowZone	SA AF reg zone	1.00 - 10.00	SNVT_lev_percent
319	282	nvoSF_FlowZone	SA AF reg zone		
			Supply airflow regulation zone setting in % of the present airflow setpoint that the regulator is allowed to work within.		
320	283	nviSF_Flowfactor	SA AF C-fct	0.000 - 2.500	SNVT_multiplier
321	284	nvoSF_Flowfactor	SA AF C-fct		
			Supply airflow regulator affection setting.		
322	285	nviEF_FlowZone	EA AF reg zone	1.00 - 10.00	SNVT_lev_percent
323	286	nvoEF_FlowZone	EA AF reg zone		
			Extract airflow regulation zone setting in % of the present airflow setpoint that the regulator is allowed to work within.		
324	287	nviEF_Flowfactor	EA AF C-fct	0.000 - 2.500	SNVT_multiplier

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
325	288	nvoEF_Flowfactor	EA AF C-fct Extract airflow regulator affection setting.		
326	289	nviSF_PressZone	SA Pres reg zone	1.00 - 10.00	SNVT_lev_percent
327	290	nvoSF_PressZone	SA Pres reg zone Supply air pressure regulation zone setting in % of the present duct pressure setpoint that the regulator is allowed to work within.		
328	291	nviSF_Pressfactor	SA Pres C-fct	0.000 - 2.500	SNVT_multiplier
329	292	nvoSF_Pressfactor	SA Pres C-fct Supply air pressure regulator affection setting.		
330	293	nviEF_PressZone	EA Pres reg zone	1.00 - 10.00	SNVT_lev_percent
331	294	nvoEF_PressZone	EA Pres reg zone Extract air pressure regulation zone setting in % of the present duct pressure setpoint that the regulator is allowed to work within.		
332	295	nviEF_Pressfactor	EA Pres C-fct	0.000 - 2.500	SNVT_multiplier
333	296	nvoEF_Pressfactor	EA Pres C-fct Extract air pressure regulator affection setting.		
334	297	nviSF_DemandPB	SA Dmnd P-band	1.00 - 100.00	SNVT_lev_percent
335	298	nvoSF_DemandPB	SA Dmnd P-band Supply air demand regulator P-band setting.		
336	299	nviSF_DemFactor	SA Dmnd C-fct	0.000 - 2.500	SNVT_multiplier
337	300	nvoSF_DemFactor	SA Dmnd C-fct Supply air demand regulator affection setting.		
338	301	nviEF_DemandPB	EA Dmnd P-band	1.00 - 100.00	SNVT_lev_percent
339	302	nvoEF_DemandPB	EA Dmnd P-band Extract air demand regulator P-band setting.		
340	303	nviEF_DemFactor	EA Dmnd C-fct	0.000 - 2.500	SNVT_multiplier
341	304	nvoEF_DemFactor	EA Dmnd C-fct Extract air demand regulator affection setting.		
342	305	nviERS1diff	SA temp diff set ERS 1	1.00 - 7.00°C	SNVT_temp_p
343	306	nvoERS1diff	SA temp diff set ERS 1 Supply air temperature difference setting according to the diagram for ERS 1.		
344	307	nviERS1brkpnt	ERS 1 Brkpnt	12.00 - 26.00°C	SNVT_temp_p
345	308	nvoERS1brkpnt	ERS 1 Brkpnt Breakpoint setting according to the diagram for ERS 1.		
346	309	nviERS2_X1	ERS 2 Brkpnt_X1	10.00-38.00°C	SNVT_temp_p
347	310	nvoERS2_X1	ERS 2 Brkpnt_X1 Breakpoint X1 setting according to the diagram for ERS 2.		
348	311	nviERS2_Y1	ERS 2 Brkpnt_Y1	10.00-40.00°C	SNVT_temp_p
349	312	nvoERS2_Y1	ERS 2 Brkpnt_Y1 Breakpoint Y1 setting according to the diagram for ERS 2.		
350	313	nviERS2_X2	ERS 2 Brkpnt_X2	11.00-39.00°C	SNVT_temp_p
351	314	nvoERS2_X2	ERS 2 Brkpnt_X2 Breakpoint X2 setting according to the diagram for ERS 2.		
352	315	nviERS2_Y2	ERS 2 Brkpnt_Y2	10.00-40.00°C	SNVT_temp_p
353	316	nvoERS2_Y2	ERS 2 Brkpnt_Y2 Breakpoint Y2 setting according to the diagram for ERS 2.		
354	317	nviERS2_X3	ERS 2 Brkpnt_X3	12.00-40.00°C	SNVT_temp_p
355	318	nvoERS2_X3	ERS 2 Brkpnt_X3 Breakpoint X3 setting according to the diagram for ERS 2.		
356	319	nviERS2_Y3	ERS 2 Brkpnt_Y3	10.00-40.00°C	SNVT_temp_p
357	320	nvoERS2_Y3	ERS 2 Brkpnt_Y3 Breakpoint Y3 setting according to the diagram for ERS 2.		
358	2	nviSetpoint	Temp stpnt Input (absolute)	10.00-40.00°C	SNVT_temp_p
359	321	nvoSetpoint	Temp stpnt (absolute) Supply air temperature setting, for supply air temp regulation mode.	10.00-40.00°C	SNVT_temp_p
360	322	nviEAtempset	EA Temp	10.00-40.00°C	SNVT_temp_p
361	323	nvoEAtempset	EA Temp Extract air/room temperature setting, for Extract air/room temp regulation mode.		
362	324	nviMinSAtemp	SA Min temp	8.00-20.00°C	SNVT_temp_p
363	325	nvoMinSAtemp	SA Min temp Supply air min.setpoint during EA/room regulation mode.		
364	326	nviMaxSAtemp	SA Max temp	16.00-50.00°C	SNVT_temp_p
365	327	nvoMaxSAtemp	SA Max temp		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Supply air max.setpoint during EA/room regulation mode.		
366	328	nviSA_PB	SA Temp P-band	1.00 - 40.00	SNVT_temp_p
367	329	nvoSA_PB	SA Temp P-band		
			Supply air temperature regulator P-band setting.		
368	330	nviEA_PB	EA Temp P-band	1.00 - 40.00	SNVT_temp_p
369	613	nvoEA_PB	EA Temp P-band		
			Extract air/room temperature regulator P-band setting.		
370	614	nviSA_HXfactor	SA HX. Reg C-fct	0.000 - 2.500	SNVT_multiplier
371	331	nvoSA_HXfactor	SA HX. Reg C-fct		
			Supply air heat exchange regulator affection setting.		
372	332	nviEA_HXfactor	EA HX. Reg C-fct	0.000 - 2.500	SNVT_multiplier
373	333	nvoEA_HXfactor	EA HX. Reg C-fct		
			Extract air/room heat exchange regulator affection setting.		
374	334	nviSA_RHfactor	SA Heat Reg C-fct	0.000 - 2.500	SNVT_multiplier
375	335	nvoSA_RHfactor	SA Heat Reg C-fct		
			Supply air reheat regulator affection setting.		
376	336	nviEA_RHfactor	EA Heat Reg C-fct	0.000 - 2.500	SNVT_multiplier
377	337	nvoEA_RHfactor	EA Heat Reg C-fct		
			Extract air/room reheat regulator affection setting.		
378	338	nviSA_EXHfactor	SA X Reg heat C-fct	0.000 - 2.500	SNVT_multiplier
379	339	nvoSA_EXHfactor	SA X Reg heat C-fct		
			Supply air extra regulation sequence for reheating regulator affection setting.		
380	340	nviSA_EXCfactor	SA X Reg cool C-fct	0.000 - 2.500	SNVT_multiplier
381	341	nvoSA_EXCfactor	SA X Reg cool C-fct		
			Supply air extra regulation sequence for cooling regulator affection setting.		
382	342	nviEA_EXHfactor	EA X Reg heat C-fct	0.000 - 2.500	SNVT_multiplier
383	343	nvoEA_EXHfactor	EA X Reg heat C-fct		
			Extract air extra regulation sequence for reheating regulator affection setting.		
384	344	nviEA_EXCfactor	EA X Reg cool C-fct	0.000 - 2.500	SNVT_multiplier
385	345	nvoEA_EXCfactor	EA X Reg cool C-fct		
			Extract air extra regulation sequence for cooling regulator affection setting.		
386	346	nviSA_REDfactor	SA Dwn Reg C-fct	0.000 - 2.500	SNVT_multiplier
387	347	nvoSA_REDfactor	SA Dwn Reg C-fct		
			Supply air reheat regulator affection setting.		
388	348	nviEA_REDfactor	EA Dwn Reg C-fct	0.000 - 2.500	SNVT_multiplier
389	349	nvoEA_REDfactor	EA Dwn Reg C-fct		
			Not used in present SW version		
390	350	nviSAcoolfactor	SA Cool reg C-fct	0.000 - 2.500	SNVT_multiplier
391	351	nvoSAcoolfactor	SA Cool reg C-fct		
			Supply air cool regulator affection setting.		
392	352	nviEAcoolfactor	EA Cool reg C-fct	0.000 - 2.500	SNVT_multiplier
393	353	nvoEAcoolfactor	EA Cool reg C-fct		
			Extract air/room cool regulator affection setting.		
394	354	nviSAcoolBfactor	SA Cing bst C-fct	0.000 - 2.500	SNVT_multiplier
395	355	nvoSAcoolBfactor	SA Cing bst C-fct		
			Supply air cooling boost affection setting.		
396	356	nviEAcoolBfactor	EA Cing bst C-fct	0.000 - 2.500	SNVT_multiplier
397	357	nvoEAcoolBfactor	EA Cing bst C-fct		
			Extract air/room cooling boost regulator affection setting.		
398	358	nviHXalarmLimit	HX Pressure alarm set	30 - 100Pa	SNVT_press_p
399	359	nvoHXalarmLimit	HX Pressure alarm set		
			Heat exchange pressure alarm limit setting (alarm no.38).		
400	688	nviPCHX_def_PB	P/C.HX. defrost P-band	1.00 - 40.00	SNVT_temp_p
401	689	nvoPCHX_def_PB	P/C.HX. defrost P-band		
			Plate/coil heat exchange defrost P-band setting.		
402	690	nviPCHX_def_fact	P/C.HX. defrost C-factor	0.000 - 2.500	SNVT_multiplier
403	691	nvoPCHX_def_fact	P/C.HX. defrost C-factor		
			Plate/coil heat exchange defrost C-factor setting.		
404	360	nviCoolOff_set	Cooling off AF set in % of max	10 - 50%	SNVT_lev_percent
405	361	nvoCoolOff_set	Cooling off AF set in % of max		
			Cooling off airflow setting in % of max. airflow.		
406	362	nviSFdownregNZ	SA Down reg ntrl zone	0.00-10.00°C	SNVT_temp_p

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
407	363	nvoSFdownregNZ	SA Down reg ntrl zone Neutral zone setting before downregulation is permitted.		
408	364	nviCoolLimit1	Cool Outd temp limit 1	0.00-25.00°C	SNVT_temp_p
409	365	nvoCoolLimit1	Cool Outd temp limit 1 Outdoor temperature limit setting for cooling stage 1.		
410	366	nviCoolLimit2	Cool Outd temp limit 2	0.00-25.00°C	SNVT_temp_p
411	367	nvoCoolLimit2	Cool Outd temp limit 2 Outdoor temperature limit setting for cooling stage 2.		
412	368	nviCoolLimit3	Cool Outd temp limit 3	0.00-25.00°C	SNVT_temp_p
413	369	nvoCoolLimit3	Cool Outd temp limit 3 Outdoor temperature limit setting for cooling stage 3.		
414	370	nviCoolNZ	Temp reg ntrl zone	0.50-10.00°C	SNVT_temp_p
415	371	nvoCoolNZ	Temp reg ntrl zone Neutral zone setting before shift between heating and cooling.		
416	372	nviSFcoolMinflow	SA Cool min air flow	0-8200/s	SNVT_flow
417	373	nvoSFcoolMinflow	SA Cool min air flow Supply air min. air flow setting for cooling.		
418	374	nviEFcoolMinflow	EA Cool min air flow	0-8200/s	SNVT_flow
419	375	nvoEFcoolMinflow	EA Cool min air flow Extract air min. air flow setting for cooling.		
420	376	nviH_boostStart	Heating bst str limit	0.00-40.00°C	SNVT_temp_p
421	377	nvoH_boostStart	Heating bst str limit Heating boost start temperature limit.		
422	378	nviC_boostStart	Cooling bst str limit	0.00-40.00°C	SNVT_temp_p
423	379	nvoC_boostStart	Cooling bst str limit Cooling boost (comfort) start temperature limit.		
424	380	nviSA_filterlim	SA Fitr alarm limit	50-300Pa	SNVT_press_p
425	381	nvoSA_filterlim	SA Fitr alarm limit Supply air filter pressure alarm limit setting.		
426	609	nviEA_filterlim	EA Fitr alarm limit	50-300Pa	SNVT_press_p
427	610	nvoEA_filterlim	EA Fitr alarm limit Extract air filter pressure alarm limit setting.		
428	382	nviNH_starttemp	Int Night ht room strt temp	5.00-25.00°C	SNVT_temp_p
429	383	nvoNH_starttemp	Int Night ht room strt temp Intermittent night heat function, extract air temperature setting for start.		
430	384	nviNH_stoptemp	Int Night ht room stop temp	5.00-25.00°C	SNVT_temp_p
431	385	nvoNH_stoptemp	Int Night ht room stop temp Intermittent night heat function, extract air temperature setting for stop.		
432	386	nviNH_SAtempset	Int Night ht SA temp	5.00-40.00°C	SNVT_temp_p
433	387	nvoNH_SAtempset	Int Night ht SA temp Intermittent night heat function, supply air temperature setpoint during night heat.		
434	388	nviNH_SFflowset	Int Night ht SA airflow	0-8200/s	SNVT_flow
435	389	nvoNH_SFflowset	Int Night ht SA airflow Intermittent night heat function, supply airflow setpoint during night heat.		
436	390	nviNH_EFflowset	Int Night ht EA airflow	0-8200/s	SNVT_flow
437	391	nvoNH_EFflowset	Int Night ht EA airflow Intermittent night heat function, extract airflow setpoint during night heat.		
438	392	nviNC_starttemp	Smr Night cl room strt temp	17.00-27.00°C	SNVT_temp_p
439	393	nvoNC_starttemp	Smr Night cl room strt temp Summer night cool function, extract air temperature setting for start.		
440	394	nviNC_stoptemp	Smr Night cl room stop temp	12.00-22.00°C	SNVT_temp_p
441	395	nvoNC_stoptemp	Smr Night cl room stop temp Summer night cool function, extract air temperature setting for stop.		
442	396	nviNC_OUTlimit	Smr night cl outd temp lmt	5.00-15.00°C	SNVT_temp_p
443	397	nvoNC_OUTlimit	Smr night cl outd temp lmt Summer night cool function, outdoor temperature limit.		
444	398	nviNC_SAtempset	Smr night cl SA temp	10.00-20.00°C	SNVT_temp_p
445	399	nvoNC_SAtempset	Smr night cl SA temp Summer night cool function, supply air temperature setpoint during summer night cool.		
446	400	nviOUTcomptempX1	Outd Temp Cmp Wntr X1	-30.00-(-10.00)°C	SNVT_temp_p
447	401	nvoOUTcomptempX1	Outd Temp Cmp Wntr X1 Endpoint of winter compensation.		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
448	402	nviOUTcomptempX2	Outd Temp Cmp Wntr X2	-10.00-15.00°C	SNVT_temp_p
449	403	nvoOUTcomptempX2	Outd Temp Cmp Wntr X2		
			Startpoint of winter compensation.		
450	404	nviOUTcomptempY1	Outd Temp Cmp Wntr Y1	0.00-10.00°C	SNVT_temp_p
451	405	nvoOUTcomptempY1	Outd Temp Cmp Wntr Y1		
			Level of winter compensation at X1.		
452	406	nviOUTcomptempX3	Outd Temp Cmp Wntr X3	15.00-25.00°C	SNVT_temp_p
453	407	nvoOUTcomptempX3	Outd Temp Cmp Wntr X3		
			Startpoint of summer compensation.		
454	408	nviOUTcomptempX4	Outd Temp Cmp Wntr X4	25.00-40.00°C	SNVT_temp_p
455	409	nvoOUTcomptempX4	Outd Temp Cmp Wntr X4		
			Endpoint of summer compensation.		
456	410	nviOUTcomptempY2	Outd Temp Cmp Wntr Y2	-10.00-10.00°C	SNVT_temp_p
457	411	nvoOUTcomptempY2	Outd Temp Cmp Wntr Y2		
			Level of summer compensation at X4.		
458	412	nviOUTcompflowX1	Outd Temp Cmp Wntr X1	-30.00-(-10.00)°C	SNVT_temp_p
459	413	nvoOUTcompflowX1	Outd Temp Cmp Wntr X1		
			Endpoint of winter compensation.		
460	414	nviOUTcompflowX2	Outd Temp Cmp Wntr X2	-10.00-15.00°C	SNVT_temp_p
461	415	nvoOUTcompflowX2	Outd Temp Cmp Wntr X2		
			Startpoint of winter compensation.		
462	416	nviOUTcompflowY1	Outd Temp Cmp Wntr Y1	0-50.00%	SNVT_lev_percent
463	417	nvoOUTcompflowY1	Outd Temp Cmp Wntr Y1		
			Level of airflow compensation at X1.		
464	428	nviEXregMaxsign	X Reg. Seq max output	0-100.00%	SNVT_lev_percent
465	429	nvoEXregMaxsign	X Reg. Seq max output		
			Maximum output signal setting for the extra regulation sequence.		
466	430	nviEAmintemp	EA min temp alarm limit no 40	8.00-20.00°C	SNVT_temp_p
467	431	nvoEAmintemp	EA min temp alarm limit no 40		
			Setting for min extract air /room temp alarm no.40.		
468	432	nviSAtempdev	SA Deviation alarm limit	2.00-15.00°C	SNVT_temp_p
469	433	nvoSAtempdev	SA Deviation alarm limit		
			Setting for supply air temperature below present setpoint, alarm no.41.		
470	434	nviSFregmode	SA Fan reg mode	0 - 3	SNVT_count
471	435	nvoSFregmode	SA Fan reg mode		
			Setting of regulation type for the supply air fan . 0=Airflow reg, 1=Pressure reg, 2=Demand reg, 3=Slave controlled by EA fan.		
472	436	nviEFregmode	EA Fan reg mode	0 - 3	SNVT_count
473	437	nvoEFregmode	EA Fan reg mode		
			Setting of regulation type for the extract air fan . 0=Airflow reg, 1=Pressure reg, 2=Demand reg, 3=Slave controlled by SA fan.		
474	438	nviERS1step	ERS Step	1 - 4	SNVT_count
475	439	nvoERS1step	ERS Step		
			Setting of curve when temperature is above breakpoint.		
476	440	nviTempregmode	Temp reg mode 0=ERS1 1=ERS2 2=SA 3=EA/Room	0 - 3	SNVT_count
477	441	nvoTempregmode	Temp reg mode 0=ERS1 1=ERS2 2=SA 3=EA/Room		
			Setting of temperature regulation type. 0=ERS 1 reg, 1=ERS 2 reg, 2=SA reg, 3=EA/Room reg.		
478	442	nviCoolOff_time	Cooling off periode	60 - 900s	SNVT_time_sec
479	443	nvoCoolOff_time	Cooling off periode		
			Time setting for cooling off electrical heating coil.		
480	444	nviCoolstep_time	Cool step time	0 - 600s	SNVT_time_sec
481	445	nvoCoolstep_time	Cool step time		
			Time setting between cool step shift.		
482	446	nviCool_restart	Cool restart time	60 - 900s	SNVT_time_sec
483	447	nvoCool_restart	Cool restart time		
			Setting of time between two starts of the cool relays.		
484	448	nviCoolregmode	Cool regulation mode	0 - 6	SNVT_count
485	449	nvoCoolregmode	Cool regulation mode		
			Setting of cool regulation type 0=Controlled 0-10V 1=Controlled 10-0V 2=On/Off 1-step 3=On/Off 2-steps 4=On/Off 3-steps binary 5=CoolDX economi 6=CoolDX comfort		
486	450	nviHeatboostmode	Heat bst reg mode 0=Deac, 1=Act	0 - 1	SNVT_count
487	451	nvoHeatboostmode	Heat bst reg mode 0=Deac, 1=Act		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Setting for heating boost function. 0=Deactive, 1=Active.		
488	452	nviCoolboostmode	Cooling bst reg mode	0 - 5	SNVT_count
489	453	nvoCoolboostmode	Cooling bst reg mode		
			Setting of cooling boost regulation type. 0=Inactive. 1=Comfort. 2=Economy. 3=Sequence. 4=Comfort+economy. 5=Economy+sequence.		
490	454	nviFilterCalMode	Filt clbr mode	0 - 5	SNVT_count
491	455	nvoFilterCalMode	Filt clbr mode		
			Setting for requiered filtercalibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter. 4=HX. 5=ReCO2.		
492	458	nviAir_ad_time_m	Air adjst min	0 - 1727	SNVT_time_min
493	459	nvoAir_ad_time_m	Air adjst min		
			Setting for amount of minutes to air adjustment function.		
494	456	nviAir_ad_time_h	Air adjst hours	0 - 28	SNVT_time_hour
495	457	nvoAir_ad_time_h	Air adjst hours		
			Setting for amount of hours to air adjustment function.		
496	460	nviNC_start_h	Smr nght cool strt hour	0-23	SNVT_time_hour
497	461	nvoNC_start_h	Smr nght cool strt hour		
			Setting for start time of summer night cooling function.		
498	462	nviNC_start_m	Smr nght cool strt min	0-59	SNVT_time_min
499	463	nvoNC_start_m	Smr nght cool strt min		
			Setting for start time of summer night cooling function.		
500	464	nviNC_stop_h	Smr nght cool stop hour	0-23	SNVT_time_hour
501	465	nvoNC_stop_h	Smr nght cool stop hour		
			Setting for stop time of summer night cooling function.		
502	466	nviNC_stop_m	Smr nght cool stop min	0-59	SNVT_time_min
503	467	nvoNC_stop_m	Smr nght cool stop min		
			Setting for stop time of summer night cooling function.		
504	468	nviEXreg_C_mode	X reg seq cool 0=Deac 1=Comfrt, 2=Econ	0 - 2	SNVT_count
505	469	nvoEXreg_C_mode	X reg seq cool 0=Deac 1=Comfrt, 2=Econ		
			Setting of extra regulation sequence cool type. 0=Deactive, 1=Comfort, 2=Economi.		
506	470	nviEXreg_H_mode	X reg seq heat 0=Deac 1=Comfrt, 2=Econ	0 - 2	SNVT_count
507	471	nvoEXreg_H_mode	X reg seq heat 0=Deac 1=Comfrt, 2=Econ		
			Setting of extra regulation sequence heat type. 0=Deactive, 1=Comfort, 2=Economi.		
508	472	nviMornboost_h	Mrn bst hour	0-23	SNVT_time_hour
509	473	nvoMornboost_h	Mrn bst hour		
			Setting of morning boost time before normal operation.		
510	474	nviMornboost_m	Mrn bst min	0-59	SNVT_time_min
511	475	nvoMornboost_m	Mrn bst min		
			Setting of morning boost time before normal operation.		
512	476	nviStartup_time	Time with fix sig	0 - 600s	SNVT_time_sec
513	477	nvoStartup_time	Time with fix sig		
			Setting of time for startup when the unit regulator is running with fixed signals.		
514	478	nviSF_startdelay	Start dly SA fan	0 - 600s	SNVT_time_sec
515	479	nvoSF_startdelay	Start dly SA fan		
			Setting of start delay time for the supply air fan.		
516	480	nviEF_startdelay	Start dly EA fan	0 - 600s	SNVT_time_sec
517	481	nvoEF_startdelay	Start dly EA fan		
			Setting of start delay time for the extract air fan after supply air fan has started.		
518	482	nviClock	Clock		SNVT_time_stamp
519	483	nvoClock	Clock		
			Setting for the unit's internal clock.		
520	484	nviTS1_status	Time channel 1 status	0-10,16-26	SNVT_count
521	485	nvoTS1_status	Time channel 1 status		

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522	486	nviTS1_start_h	Time channel 1 start hour	0-23	SNVT_time_hour																								
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524	488	nviTS1_start_m	Time channel 1 start minute	0-59	SNVT_time_min																								
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526	490	nviTS1_stop_h	Time channel 1 stop hour	0-23	SNVT_time_hour																								
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529	493	nvoTS1_stop_m	Time channel 1 stop minute																										
530	494	nviTS2_status	Time channel 2 status	0-10,16-26	SNVT_count																								
531	495	nvoTS2_status	Time channel 2 status																										
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532	496	nviTS2_start_h	Time channel 2 start hour	0-23	SNVT_time_hour																								
533	497	nvoTS2_start_h	Time channel 2 start hour																										
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542	506	nviTS3_start_h	Time channel 3 start hour	0-23	SNVT_time_hour																								
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546	510	nviTS3_stop_h	Time channel 3 stop hour	0-23	SNVT_time_hour																								
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548	512	nviTS3_stop_m	Time channel 3 stop minute	0-59	SNVT_time_min																								
549	513	nvoTS3_stop_m	Time channel 3 stop minute																										

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type																								
550	514	nviTS4_status	Time channel 4 status	0-10,16-26	SNVT_count																								
551	515	nvoTS4_status	Time channel 4 status																										
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552	516	nviTS4_start_h	Time channel 4 start hour	0-23	SNVT_time_hour																								
553	517	nvoTS4_start_h	Time channel 4 start hour																										
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560	524	nviTS5_status	Time channel 5 status	0-10,16-26	SNVT_count																								
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562	526	nviTS5_start_h	Time channel 5 start hour	0-23	SNVT_time_hour																								
563	527	nvoTS5_start_h	Time channel 5 start hour																										
564	528	nviTS5_start_m	Time channel 5 start minute	0-59	SNVT_time_min																								
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567	531	nvoTS5_stop_h	Time channel 5 stop hour																										
568	532	nviTS5_stop_m	Time channel 5 stop minute	0-59	SNVT_time_min																								
569	533	nvoTS5_stop_m	Time channel 5 stop minute																										
570	534	nviTS6_status	Time channel 6 status	0-10,16-26	SNVT_count																								
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572	536	nviTS6_start_h	Time channel 6 start hour	0-23	SNVT_time_hour																								
573	537	nvoTS6_start_h	Time channel 6 start hour																										
574	538	nviTS6_start_m	Time channel 6 start minute	0-59	SNVT_time_min																								
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577	541	nvoTS6_stop_h	Time channel 6 stop hour																										
578	542	nviTS6_stop_m	Time channel 6 stop minute	0-59	SNVT_time_min																								

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
579	543	nvoTS6_stop_m	Time channel 6 stop minute		
580	544	nviTS7_status	Time channel 7 status	0-10,16-26	SNVT_count
581	545	nvoTS7_status	Time channel 7 status		
			Low speed High speed 0=Inactive 16=Inactive 1=Monday 17=Monday 2=Tuesday 18=Tuesday 3=Wednesday 19=Wednesday 4=Thursday. 20=Thursday 5=Friday 21=Friday 6=Saturday 22=Saturday 7=Sunday 23=Sunday 8=Monday..Friday 24=Monday..Friday 9=Monday..Sunday 25=Monday..Sunday 10=Saturday..Sunday 26=Saturday..Sunday		
582	546	nviTS7_start_h	Time channel 7 start hour	0-23	SNVT_time_hour
583	547	nvoTS7_start_h	Time channel 7 start hour		
584	548	nviTS7_start_m	Time channel 7 start minute	0-59	SNVT_time_min
585	549	nvoTS7_start_m	Time channel 7 start minute		
586	550	nviTS7_stop_h	Time channel 7 stop hour	0-23	SNVT_time_hour
587	551	nvoTS7_stop_h	Time channel 7 stop hour		
588	552	nviTS7_stop_m	Time channel 7 stop minute	0-59	SNVT_time_min
589	553	nvoTS7_stop_m	Time channel 7 stop minute		
590	554	nviTS8_status	Time channel 8 status	0-10,16-26	SNVT_count
591	555	nvoTS8_status	Time channel 8 status		
			Low speed High speed 0=Inactive 16=Inactive 1=Monday 17=Monday 2=Tuesday 18=Tuesday 3=Wednesday 19=Wednesday 4=Thursday. 20=Thursday 5=Friday 21=Friday 6=Saturday 22=Saturday 7=Sunday 23=Sunday 8=Monday..Friday 24=Monday..Friday 9=Monday..Sunday 25=Monday..Sunday 10=Saturday..Sunday 26=Saturday..Sunday		
592	556	nviTS8_start_h	Time channel 8 start hour	0-23	SNVT_time_hour
593	557	nvoTS8_start_h	Time channel 8 start hour		
594	558	nviTS8_start_m	Time channel 8 start minute	0-59	SNVT_time_min
595	559	nvoTS8_start_m	Time channel 8 start minute		
596	560	nviTS8_stop_h	Time channel 8 stop hour	0-23	SNVT_time_hour
597	561	nvoTS8_stop_h	Time channel 8 stop hour		
598	562	nviTS8_stop_m	Time channel 8 stop minute	0-59	SNVT_time_min
599	563	nvoTS8_stop_m	Time channel 8 stop minute		
600	564	nviExtendedLS_h	LS_h	0-23	SNVT_time_hour
601	565	nvoExtendedLS_h	LS_h		
			Extended low speed op. Hours		
602	566	nviExtendedLS_m	LS_m	0-59	SNVT_time_min
603	567	nvoExtendedLS_m	LS_m		
			Extended low speed op. Minutes		
604	568	nviExtendedHS_h	HS_h	0-23	SNVT_time_hour
605	569	nvoExtendedHS_h	HS_h		
			Extended high speed op. Hours		
606	570	nviExtendedHS_m	HS_m	0-59	SNVT_time_min
607	571	nvoExtendedHS_m	HS_m		
			Extended high speed op. Minutes		
608	621	nviComOperation	Com operation mode	0 - 4	SNVT_count
609	622	nvoComOperation	Com operation mode		
			Setting of unit operation mode from communication. 0=Auto operation. 1=Communication stop 1. 2=Communication low speed. 3=Communication high speed. 4=Communication stop 2. Summer night cool, intermittent night heat and morning boost functions works at stop 2.		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
610	572	nviComOp_Auto	Auto Op	0-1	SNVT_switch
611	573	nvoComOp_Auto	Auto Op		
			Setting of unit operation mode from communication. Auto operation		
612	574	nviComOp_Stop1	Com stop 1	0-1	SNVT_switch
613	575	nvoComOp_Stop1	Com stop 1		
			Setting of unit operation mode from communication. Communication stop 1.		
614	576	nviComOp_LS	Com LS	0-1	SNVT_switch
615	577	nvoComOp_LS	Com LS		
			Setting of unit operation mode from communication. Communication low speed		
616	578	nviComOp_HS	Com HS	0-1	SNVT_switch
617	579	nvoComOp_HS	Com HS		
			Setting of unit operation mode from communication. Communication High speed.		
618	619	nviComOp_Stop2	Com stop 2	0-1	SNVT_switch
619	620	nvoComOp_Stop2	Com stop 2		
			Setting of unit operation mode from communication. Communication stop 2. Summer night cool, intermittent night heat and morning boost functions works at stop 2.		
620	580	nviServicePeriod	Dly tm months bfr service lrm	0-999	SNVT_count
621	581	nvoServicePeriod	Dly tm months bfr service lrm		
			Setting for delay time in months before service alarm.		
622	582	nviExt_alarm1del	Dly tm ext alarm 1	0 - 600s	SNVT_time_sec
623	583	nvoExt_alarm1del	Dly tm ext alarm 1		
			Setting of delay time for external alarm no 1		
624	584	nviExt_alarm2del	Dly tm ext alarm 2	0 - 600s	SNVT_time_sec
625	585	nvoExt_alarm2del	Dly tm ext alarm 2		
			Setting of delay time for external alarm no 2		
626	692	nviNH_SA_press	Int. Night heat SA press set	20-750Pa	SNVT_press_p
627	693	nvoNH_SA_press	Int. Night heat SA press set		
			Intermittent night heat function, supply pressure setpoint during night heat.		
628	694	nviNH_EA_press	Int. Night heat EA press set	20-750Pa	SNVT_press_p
629	695	nvoNH_EA_press	Int. Night heat EA press set		
			Intermittent night heat function, extract pressure setpoint during night heat.		
630	140	nviHeatRePerFunc	Heat relay periodic func	0 - 3	SNVT_count
631	141	nvoHeatRePerFunc	Heat relay periodic func		
			Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
632	110	nviCoolRe1PeFunc	Cool relay 1 periodic func	0 - 3	SNVT_count
633	111	nvoCoolRe1PeFunc	Cool relay 1 periodic func		
			Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
634	112	nviCoolRe2PeFunc	Cool relay 2 periodic func	0 - 3	SNVT_count
635	113	nvoCoolRe2PeFunc	Cool relay 2 periodic func		
			Setting of periodic operation. 0=Inactive 1=Pump 2=Pump+valve 3=Valve		
636	696	nviSlaveContFact	Slave control C-factor	0.5 - 2.0	SNVT_multiplier
637	697	nvoSlaveContFact	Slave control C-factor		
			Slave regulator affection setting.		
638	698	nviSA_dehumid_PB	SA dehumid P-band	1.00 - 40.00	SNVT_temp_p
639	699	nvoSA_dehumid_PB	SA dehumid P-band		
			SA dehumid regulator P-band setting.		
640	700	nviSA_dehumid_CF	SA dehumid C-factor	0.000 - 2.500	SNVT_multiplier
641	701	nvoSA_dehumid_CF	SA dehumid C-factor		
			SA dehumid regulator affection setting.		
642	702	nviDewpoint_PB	Dewpoint P-band	1.00 - 40.00	SNVT_temp_p
643	703	nvoDewpoint_PB	Dewpoint P-band		
			Dewpoint regulator P-band setting.		
644	704	nviDewpoint_CF	Dewpoint C-factor	0.000 - 2.500	SNVT_multiplier
645	705	nvoDewpoint_CF	Dewpoint C-factor		
			Dewpoint regulator affection setting.		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
646	706	nviAYCCoolTmpSet	AYC cool temp set	5.00 - 30.00	SNVT_temp_p
647	707	nvoAYCCoolTmpSet	AYC cool temp set		
			Setting of AYC chilled water temperature setpoint.		
648	708	nviDewpoint_NZ	Dewpoint ntrl zone	0.00 - 5.00	SNVT_temp_p
649	709	nvoDewpoint_NZ	Dewpoint ntrl zone		
			Dewpoint neutralzone setting.		
650	710	nviCompAirflow	Comp. Airflow	0-30.00%	SNVT_lev_percent
651	711	nvoCompAirflow	Comp. Airflow		
			Setting of comp. airflow.		
652	712	nviSA_humidity_s	Supply air-humidity set	10.00-90.00%	SNVT_lev_percent
653	713	nvoSA_humidity_s	Supply air-humidity set		
			Setting of supply air-humidity.		
654	714	nviWaterHeatPeOp	Water heating periodic op. time	0-60min	SNVT_time_min
655	715	nvoWaterHeatPeOp	Water heating periodic op. time		
			Setting of periodic op. time (minute).		
656	716	nviWaterHeatInt	Water heating interval	0-168h	SNVT_time_hour
657	717	nvoWaterHeatInt	Water heating interval		
			Setting of water heating interval time (hour).		
658	718	nviCoolPerOpTime	Cool periodic op. time	0-60min	SNVT_time_min
659	719	nvoCoolPerOpTime	Cool periodic op. time		
			Setting of periodic op. time (minute).		
660	720	nviCoolInterval	Cool interval	0-168h	SNVT_time_hour
661	721	nvoCoolInterval	Cool interval		
			Setting of cool interval time (hour).		
662	722	nviPCHX_bypass_a	P/C.HX. bypass adj.	-5.00 - 5.00°C	SNVT_temp_p
663	723	nvoPCHX_bypass_a	P/C.HX. bypass adj.		
			Setting of plate/coil heat exchange bypass adjustment.		
664	724	nviRoomTempExtFu	EA/Room temp ext func	0 - 2	SNVT_count
665	725	nvoRoomTempExtFu	EA/Room temp ext func		
			Setting of EA/Room temperature (external) function. 0= Inactive. 1= Input signal on terminal 40..41. 2= Communication.		
666	726	nviRoomTempComSe	EA/Room temp com.	-55.00-125.00°C	SNVT_temp_p
667	727	nvoRoomTempComSe	EA/Room temp com.		
			Setting of EA/Room temperature via communication.		
668	728	nviOutdrTempExtF	Outdoor temp ext func	0 - 2	SNVT_count
669	729	nvoOutdrTempExtF	Outdoor temp ext func		
			Setting of outdoor temperature (external) function. 0= Inactive. 1= Input signal on terminal 38..39. 2= Communication.		
670	730	nviOutdrTempComS	Outdoor temp com.	-55.00-125.00°C	SNVT_temp_p
671	731	nvoOutdrTempComS	Outdoor temp com.		
			Setting of outdoor temperature via communication.		
672	732	nviTimeoutTmpCom	Timeout temp com.	0-9999min	SNVT_time_min
673	733	nvoTimeoutTmpCom	Timeout temp com.		
			Setting of timeout for temperature (EA/Room and Outdoor) via communication.		
674	134	nviFlowFireFunc	Flow at fire func	0 - 3	SNVT_count
675	135	nvoFlowFireFunc	Flow at fire func		
			Setting for activating the air fan operation at fire function 0= Inactive. 1= SA. 2= EA. 3= SA+EA.		
676	108	nviDownRegFunc	Air fan down reg func	0 - 2	SNVT_count
677	109	nvoDownRegFunc	Air fan down reg func		
			Setting for activating the air fan down regulation function 0= Inactive. 1= SA. 2= SA+EA.		
678	734	nviSA_SpeedAtFir	SA speed at fire.	50.00-100.00%	SNVT_lev_percent
679	735	nvoSA_SpeedAtFir	SA speed at fire.		
			Setting of supply air speed at fire.		
680	736	nviEA_SpeedAtFir	EA speed at fire.	50.00-100.00%	SNVT_lev_percent
681	737	nvoEA_SpeedAtFir	EA speed at fire.		
			Setting of extract air speed at fire.		
682	738	nviTempAlarmSet	Temp alarm set	-25.00-25.00°C	SNVT_temp_p
683	739	nvoTempAlarmSet	Temp alarm set		
			Temperature alarm function setting (no.80).		
684	740	nviTempAlarmTime	Temp alarm time	1-999s	SNVT_time_sec
685	741	nvoTempAlarmTime	Temp alarm time		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Setting of delay time for temperature alarm (no.80).		
686	742	nviSA_min_PB	SA min P-band	1.00 - 40.00	SNVT_temp_p
687	743	nvoSA_min_PB	SA min P-band		
			Supply air min regulator P-band setting.		
688	744	nviSA_min_CF	SA min C-factor	0.000 - 2.500	SNVT_multiplier
689	745	nvoSA_min_CF	SA min C-factor		
			Supply air min regulator affection setting.		
690	746	nviSA_max_PB	SA max P-band	1.00 - 40.00	SNVT_temp_p
691	747	nvoSA_max_PB	SA max P-band		
			Supply air max regulator P-band setting.		
692	748	nviSA_max_CF	SA max C-factor	0.000 - 2.500	SNVT_multiplier
693	749	nvoSA_max_CF	SA max C-factor		
			Supply air max regulator affection setting.		
694	946	nviDate1_func	Year channel 1 func	0 - 3	SNVT_count
695	947	nvoDate1_func	Year channel 1 func		
			Setting for year channel 1 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
696	948	nviDate1_start	Year channel 1 start		SNVT_time_stamp
697	949	nvoDate1_start	Year channel 1 start		
			Setting for year channel 1 start time.		
698	950	nviDate1_stop	Year channel 1 stop		SNVT_time_stamp
699	951	nvoDate1_stop	Year channel 1 stop		
			Setting for year channel 1 stop time.		
700	952	nviDate2_func	Year channel 2 func	0 - 3	SNVT_count
701	953	nvoDate2_func	Year channel 2 func		
			Setting for year channel 2 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
702	954	nviDate2_start	Year channel 2 start		SNVT_time_stamp
703	955	nvoDate2_start	Year channel 2 start		
			Setting for year channel 2 start time.		
704	956	nviDate2_stop	Year channel 2 stop		SNVT_time_stamp
705	957	nvoDate2_stop	Year channel 2 stop		
			Setting for year channel 2 stop time.		
706	958	nviDate3_func	Year channel 3 func	0 - 3	SNVT_count
707	959	nvoDate3_func	Year channel 3 func		
			Setting for year channel 3 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
708	960	nviDate3_start	Year channel 3 start		SNVT_time_stamp
709	961	nvoDate3_start	Year channel 3 start		
			Setting for year channel 3 start time.		
710	962	nviDate3_stop	Year channel 3 stop		SNVT_time_stamp
711	963	nvoDate3_stop	Year channel 3 stop		
			Setting for year channel 3 stop time.		
712	964	nviDate4_func	Year channel 4 func	0 - 3	SNVT_count
713	965	nvoDate4_func	Year channel 4 func		
			Setting for year channel 4 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
714	966	nviDate4_start	Year channel 4 start		SNVT_time_stamp
715	967	nvoDate4_start	Year channel 4 start		
			Setting for year channel 4 start time.		
716	968	nviDate4_stop	Year channel 4 stop		SNVT_time_stamp
717	969	nvoDate4_stop	Year channel 4 stop		
			Setting for year channel 4 stop time.		
718	970	nviDate5_func	Year channel 5 func	0 - 3	SNVT_count
719	971	nvoDate5_func	Year channel 5 func		
			Setting for year channel 5 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
720	972	nviDate5_start	Year channel 5 start		SNVT_time_stamp
721	973	nvoDate5_start	Year channel 5 start		
			Setting for year channel 5 start time.		
722	974	nviDate5_stop	Year channel 5 stop		SNVT_time_stamp

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
723	975	nvoDate5_stop	Year channel 5 stop Setting for year channel 5 stop time.		
724	976	nviDate6_func	Year channel 6 func	0 - 3	SNVT_count
725	977	nvoDate6_func	Year channel 6 func Setting for year channel 6 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
726	978	nviDate6_start	Year channel 6 start		SNVT_time_stamp
727	979	nvoDate6_start	Year channel 6 start Setting for year channel 6 start time.		
728	980	nviDate6_stop	Year channel 6 stop		SNVT_time_stamp
729	981	nvoDate6_stop	Year channel 6 stop Setting for year channel 6 stop time.		
730	982	nviDate7_func	Year channel 7 func	0 - 3	SNVT_count
731	983	nvoDate7_func	Year channel 7 func Setting for year channel 7 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
732	984	nviDate7_start	Year channel 7 start		SNVT_time_stamp
733	985	nvoDate7_start	Year channel 7 start Setting for year channel 7 start time.		
734	986	nviDate7_stop	Year channel 7 stop		SNVT_time_stamp
735	987	nvoDate7_stop	Year channel 7 stop Setting for year channel 7 stop time.		
736	988	nviDate8_func	Year channel 8 func	0 - 3	SNVT_count
737	989	nvoDate8_func	Year channel 8 func Setting for year channel 8 function. 0=Inactive. 1=Stop. 2=Low speed. 3=High speed.		
738	990	nviDate8_start	Year channel 8 start		SNVT_time_stamp
739	991	nvoDate8_start	Year channel 8 start Setting for year channel 8 start time.		
740	992	nviDate8_stop	Year channel 8 stop		SNVT_time_stamp
741	993	nvoDate8_stop	Year channel 8 stop Setting for year channel 8 stop time.		
742	750	nviFilterSelect	Filter select	0 - 3	SNVT_count
743	751	nvoFilterSelect	Filter select Setting for filter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
744	752	nviPreFilterSel	Prefilter select	0 - 3	SNVT_count
745	753	nvoPreFilterSel	Prefilter select Setting for prefilter select function. 0=Inactive. 1=Supply air. 2=Extract air. 3=SA+EA.		
746	754	nviSA_PfilterLim	SA PreFitr alarm limit	50-300Pa	SNVT_press_p
747	755	nvoSA_PfilterLim	SA PreFitr alarm limit Supply air prefilter pressure alarm limit setting.		
748	756	nviEA_PfilterLim	EA PreFitr alarm limit	50-300Pa	SNVT_press_p
749	757	nvoEA_PfilterLim	EA PreFitr alarm limit Extract air prefilter pressure alarm limit setting.		
750	758	nviPfilterCalMod	PreFilt clbr mode	0 - 3	SNVT_count
751	759	nvoPfilterCalMod	PreFilt clbr mode Setting for required filtercalibration. 0=Inactive. 1=SA+EA-Filter. 2=SA-Filter. 3=EA-Filter.		
752	760	nviXZ_ReheatFunc	Xzone reheat func	0 - 4	SNVT_count
753	761	nvoXZ_ReheatFunc	Xzone reheat func Setting for Xzone reheat function. 0=Inactive. 1=El. coil P/P. 2=El. coil 0-10V. 3=Water coil with FP. 4=Water coil without FP.		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
754	762	nviXZ_CoolFunc	Xzone cooling func	0 - 5	SNVT_count
755	763	nvoXZ_CoolFunc	Xzone cooling func		
			Setting for Xzone cooling function. 0=Inactive. 1=0-10V. 2=10-0V. 3=On/off 1. 4=On/off 2. 5=On/off 3.		
756	764	nviXZ_CoolNZ	Xzone temp reg ntrl zone	0.50-10.00°C	SNVT_temp_p
757	765	nvoXZ_CoolNZ	Xzone temp reg ntrl zone		
			Xzone neutral zone setting before shift between heating and cooling.		
758	766	nviXZ_Tempregmod	Xzone temp reg mode 0=ERS1 1=ERS2 2=SA 3=EA/Room	0 - 3	SNVT_count
759	767	nvoXZ_Tempregmod	Xzone temp reg mode 0=ERS1 1=ERS2 2=SA 3=EA/Room		
			Setting of Xzone temperature regulation type. 0=ERS 1 reg. 1=ERS 2 reg. 2=SA reg. 3=EA/Room reg.		
760	768	nviXZ_ERS1step	Xzone ERS Step	1 - 4	SNVT_count
761	769	nvoXZ_ERS1step	Xzone ERS Step		
			Setting of Xzone curve when temperature is above breakpoint.		
762	770	nviXZ_ERS1diff	Xzone SA temp diff set ERS 1	1.00 - 7.00°C	SNVT_temp_p
763	771	nvoXZ_ERS1diff	Xzone SA temp diff set ERS 1		
			Supply air temperature difference setting according to the diagram for Xzone ERS 1.		
764	772	nviXZ_ERS1brkpnt	Xzone ERS 1 Brkpnt	12.00 - 26.00°C	SNVT_temp_p
765	773	nvoXZ_ERS1brkpnt	Xzone ERS 1 Brkpnt		
			Breakpoint setting according to the diagram for Xzone ERS 1.		
766	774	nviXZ_ERS2_X1	Xzone ERS 2 Brkpnt_X1	10.00-38.00°C	SNVT_temp_p
767	775	nvoXZ_ERS2_X1	Xzone ERS 2 Brkpnt_X1		
			Breakpoint X1 setting according to the diagram for Xzone ERS 2.		
768	776	nviXZ_ERS2_Y1	Xzone ERS 2 Brkpnt_Y1	10.00-40.00°C	SNVT_temp_p
769	777	nvoXZ_ERS2_Y1	Xzone ERS 2 Brkpnt_Y1		
			Breakpoint Y1 setting according to the diagram for Xzone ERS 2.		
770	778	nviXZ_ERS2_X2	Xzone ERS 2 Brkpnt_X2	11.00-39.00°C	SNVT_temp_p
771	779	nvoXZ_ERS2_X2	Xzone ERS 2 Brkpnt_X2		
			Breakpoint X2 setting according to the diagram for Xzone ERS 2.		
772	780	nviXZ_ERS2_Y2	Xzone ERS 2 Brkpnt_Y2	10.00-40.00°C	SNVT_temp_p
773	781	nvoXZ_ERS2_Y2	Xzone ERS 2 Brkpnt_Y2		
			Breakpoint Y2 setting according to the diagram for Xzone ERS 2.		
774	782	nviXZ_ERS2_X3	Xzone ERS 2 Brkpnt_X3	12.00-40.00°C	SNVT_temp_p
775	783	nvoXZ_ERS2_X3	Xzone ERS 2 Brkpnt_X3		
			Breakpoint X3 setting according to the diagram for Xzone ERS 2.		
776	784	nviXZ_ERS2_Y3	Xzone ERS 2 Brkpnt_Y3	10.00-40.00°C	SNVT_temp_p
777	785	nvoXZ_ERS2_Y3	Xzone ERS 2 Brkpnt_Y3		
			Breakpoint Y3 setting according to the diagram for Xzone ERS 2.		
778	786	nviXZ_SAtempset	Xzone SA temp	10.00-40.00°C	SNVT_temp_p
779	787	nvoXZ_SAtempset	Xzone SA temp		SNVT_temp_p
			Xzone supply air temperature setting, for supply air temp regulation mode.		
780	788	nviXZ_EAtempset	Xzone EA Temp	10.00-40.00°C	SNVT_temp_p
781	789	nvoXZ_EAtempset	Xzone EA Temp		
			Xzone extract air/room temperature setting, for Extract air/room temp regulation mode.		
782	790	nviXZ_MinSAtemp	Xzone SA Min temp	8.00-20.00°C	SNVT_temp_p
783	791	nvoXZ_MinSAtemp	Xzone SA Min temp		
			Xzone supply air min.setpoint during EA/room regulation mode.		
784	792	nviXZ_MaxSAtemp	Xzone SA Max temp	16.00-50.00°C	SNVT_temp_p
785	793	nvoXZ_MaxSAtemp	Xzone SA Max temp		
			Xzone supply air max.setpoint during EA/room regulation mode.		
786	794	nviPreHeatFunc	Preheating func	0 - 4	SNVT_count
787	795	nvoPreHeatFunc	Preheating func		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Setting of preheating function. 0=Inactive. 1=El. coil P/P. 2=El. coil 0-10V. 3=Water coil with FP. 4=Water coil without FP.		
788	796	nviPreHeatTmpSet	Preheating temp set	-30.00-30.00°C	SNVT_temp_p
789	797	nvoPreHeatTmpSet	Preheating temp set		
			Setting of preheating temperature setpoint.		
790	798	nviXzone_PB	Xzone P-band	1.00-40.00°C	SNVT_temp_p
791	799	nvoXzone_PB	Xzone P-band		
			Xzone regulator P-band setting.		
792	800	nviXZ_SA_Rhfact	Xzone SA Heat Reg C-fct	0.000 - 2.500	SNVT_multiplier
793	801	nvoXZ_SA_Rhfact	Xzone SA Heat Reg C-fct		
			Xzone supply air reheat regulator affection setting.		
794	802	nviXZ_SAcoolfact	Xzone SA Cool reg C-fct	0.000 - 2.500	SNVT_multiplier
795	803	nvoXZ_SAcoolfact	Xzone SA Cool reg C-fct		
			Xzone supply air cooling regulator affection setting.		
796	804	nviXZ_EA_Rhfact	Xzone EA Heat Reg C-fct	0.000 - 2.500	SNVT_multiplier
797	805	nvoXZ_EA_Rhfact	Xzone EA Heat Reg C-fct		
			Xzone extract air reheat regulator affection setting.		
798	806	nviXZ_EAcoolfact	Xzone EA Cool reg C-fct	0.000 - 2.500	SNVT_multiplier
799	807	nvoXZ_EAcoolfact	Xzone EA Cool reg C-fct		
			Xzone extract air cooling regulator affection setting.		
800	808	nviXZ_SA_min_PB	Xzone SA min P-band	1.00 - 40.00	SNVT_temp_p
801	809	nvoXZ_SA_min_PB	Xzone SA min P-band		
			Xzone supply air min regulator P-band setting.		
802	810	nviXZ_SA_min_CF	Xzone SA min C-factor	0.000 - 2.500	SNVT_multiplier
803	811	nvoXZ_SA_min_CF	Xzone SA min C-factor		
			Xzone supply air min regulator affection setting.		
804	812	nviXZ_SA_max_PB	Xzone SA max P-band	1.00 - 40.00	SNVT_temp_p
805	813	nvoXZ_SA_max_PB	Xzone SA max P-band		
			Xzone supply air max regulator P-band setting.		
806	814	nviXZ_SA_max_CF	Xzone SA max C-factor	0.000 - 2.500	SNVT_multiplier
807	815	nvoXZ_SA_max_CF	Xzone SA max C-factor		
			Xzone supply air max regulator affection setting.		
808	816	nviPreHeat_PB	Preheat P-band	1.00 - 40.00	SNVT_temp_p
809	817	nvoPreHeat_PB	Preheat P-band		
			Preheat regulator P-band setting.		
810	818	nviPreHeat_CF	Preheat C-factor	0.000 - 2.500	SNVT_multiplier
811	819	nvoPreHeat_CF	Preheat C-factor		
			Preheat regulator affection setting.		
812	820	nviReCO2_CO2_fun	ReCO2 CO2 func	0 - 2	SNVT_count
813	821	nvoReCO2_CO2_fun	ReCO2 CO2 func		
			Setting of ReCO2 CO2 function. 0=Inactive. 1=CO2. 2=CO2+flow.		
814	822	nviReCO2_CO2_set	ReCO2 CO2 set	0-100.00%	SNVT_lev_percent
815	823	nvoReCO2_CO2_set	ReCO2 CO2 set		
			Setting of ReCO2 CO2 setpoint.		
816	824	nviReCO2_CoolFun	ReCO2 cool func	0 - 2	SNVT_count
817	825	nvoReCO2_CoolFun	ReCO2 cool func		
			Setting of ReCO2 cooling function. 0=Inactive. 1=Comfort. 2=Economy.		
818	826	nviReCO2_HeatFun	ReCO2 heat func	0 - 2	SNVT_count
819	827	nvoReCO2_HeatFun	ReCO2 heat func		
			Setting of ReCO2 heating function. 0=Inactive. 1=Comfort. 2=Economy.		
820	828	nviReCO2_MinOutA	ReCO2 min outdoor air	0-8200/s	SNVT_flow
821	829	nvoReCO2_MinOutA	ReCO2 min outdoor air		
			Setting of ReCO2 min outdoor air.		
822	830	nviReCO2_MinExhA	ReCO2 min exhaust air	0-8200/s	SNVT_flow
823	831	nvoReCO2_MinExhA	ReCO2 min exhaust air		
			Setting of ReCO2 min exhaust air.		
824	832	nviReCO2_CO2_PB	ReCO2 CO2 P-band	1.00 - 100.00	SNVT_lev_percent
825	833	nvoReCO2_CO2_PB	ReCO2 CO2 P-band		
			ReCO2 CO2 regulator P-band setting.		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
826	834	nviReCO2_CO2_CF	ReCO2 CO2 C-factor	0.000 - 5.000	SNVT_multiplier
827	835	nvoReCO2_CO2_CF	ReCO2 CO2 C-factor		
			ReCO2 CO2 regulator affection setting.		
828	836	nviReCO2_CO2F_CF	ReCO2 CO2 flow C-factor	0.000 - 5.000	SNVT_multiplier
829	837	nvoReCO2_CO2F_CF	ReCO2 CO2 flow C-factor		
			ReCO2 flow regulator affection setting.		
830	838	nviReCO2_Heat_CF	ReCO2 heating C-factor	0.000 - 5.000	SNVT_multiplier
831	839	nvoReCO2_Heat_CF	ReCO2 heating C-factor		
			ReCO2 heating regulator affection setting.		
832	840	nviReCO2_Cool_CF	ReCO2 cooling C-factor	0.000 - 5.000	SNVT_multiplier
833	841	nvoReCO2_Cool_CF	ReCO2 cooling C-factor		
			ReCO2 cooling regulator affection setting.		
834	1029	nviAYC_Func	AYC func	0 - 3	SNVT_count
835	1030	nvoAYC_Func	AYC func		
			Setting of AYC function. 0=Inactive. 1=Cool. 2=Heat. 3=Cool+heat.		
836	1031	nviAYCHeatTmpSet	AYC heat temp set	10.00-80.00°C	SNVT_temp_p
837	1032	nvoAYCHeatTmpSet	AYC heat temp set		
			Setting of AYC heated water temperature setpoint.		
838	1033	nviAYC_NC_Chan	AYC night cmp channel	1 - 2	SNVT_count
839	1034	nvoAYC_NC_Chan	AYC night cmp channel		
			Setting of AYC night compensation channel. 1=Channel 1. 2=Channel 2.		
840	1035	nviAYC_ChStart_h	AYC channel start hour	0-23h	SNVT_time_hour
841	1036	nvoAYC_ChStart_h	AYC channel start hour		
			Setting of AYC channel start time (hour).		
842	1037	nviAYC_ChStart_m	AYC channel start minute	0-59min	SNVT_time_min
843	1038	nvoAYC_ChStart_m	AYC channel start minute		
			Setting of AYC channel start time (minute).		
844	1039	nviAYC_ChStop_h	AYC channel stop hour	0-23h	SNVT_time_hour
845	1040	nvoAYC_ChStop_h	AYC channel stop hour		
			Setting of AYC channel stop time (hour).		
846	1041	nviAYC_ChStop_m	AYC channel stop minute	0-59min	SNVT_time_min
847	1042	nvoAYC_ChStop_m	AYC channel stop minute		
			Setting of AYC channel stop time (minute).		
848	1043	nviAYC_Channel_P	AYC channel period	0-10	SNVT_count
849	1044	nvoAYC_Channel_P	AYC channel period		
			Setting of AYC channel period. 0=Inactive 1=Monday 2=Tuesday 3=Wednesday 4=Thursday 5=Friday 6=Saturday 7=Sunday 8=Monday..Friday 9=Monday..Sunday 10=Saturday..Sunday		
850	1045	nviAYC_Heat_PB	AYC heat P-band	1.00 - 40.00	SNVT_temp_p
851	1046	nvoAYC_Heat_PB	AYC heat P-band		
			AYC heat regulator P-band setting.		
852	1047	nviAYC_Heat_CF	AYC heat C-factor	0.000 - 2.500	SNVT_multiplier
853	1048	nvoAYC_Heat_CF	AYC heat C-factor		
			AYC heat regulator affection setting.		
854	1049	nviAYC_Cool_PB	AYC cool P-band	1.00 - 40.00	SNVT_temp_p
855	1050	nvoAYC_Cool_PB	AYC cool P-band		
			AYC cool regulator P-band setting.		
856	1051	nviAYC_Cool_CF	AYC cool C-factor	0.000 - 2.500	SNVT_multiplier
857	1052	nvoAYC_Cool_CF	AYC cool C-factor		
			AYC cool regulator affection setting.		
858	1053	nviAYCHeatOutCX1	AYC heat out cmp X1	-40.00-40.00°C	SNVT_temp_p
859	1054	nvoAYCHeatOutCX1	AYC heat out cmp X1		
			AYC outdoor compensation of heated water, outdoor temp X1 setting.		
860	1055	nviAYCHeatOutCY1	AYC heat out cmp Y1	10.00-80.00°C	SNVT_temp_p
861	1056	nvoAYCHeatOutCY1	AYC heat out cmp Y1		
			AYC outdoor compensation of heated water, heated water temp Y1 setting.		
862	1057	nviAYCHeatOutCX2	AYC heat out cmp X2	-40.00-40.00°C	SNVT_temp_p
863	1058	nvoAYCHeatOutCX2	AYC heat out cmp X2		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			AYC outdoor compensation of heated water, outdoor temp X2 setting.		
864	1059	nviAYCHeatOutCY2	AYC heat out cmp Y2	10.00-80.00°C	SNVT_temp_p
865	1060	nvoAYCHeatOutCY2	AYC heat out cmp Y2		
			AYC outdoor compensation of heated water, heated water temp Y2 setting.		
866	1061	nviAYCHeatOutCX3	AYC heat out cmp X3	-40.00-40.00°C	SNVT_temp_p
867	1062	nvoAYCHeatOutCX3	AYC heat out cmp X3		
			AYC outdoor compensation of heated water, outdoor temp X3 setting.		
868	1063	nviAYCHeatOutCY3	AYC heat out cmp Y3	10.00-80.00°C	SNVT_temp_p
869	1064	nvoAYCHeatOutCY3	AYC heat out cmp Y3		
			AYC outdoor compensation of heated water, heated water temp Y3 setting.		
870	1065	nviAYCHeatRoomCp	AYC heat room cmp tmp limit	0.00-40.00°C	SNVT_temp_p
871	1066	nvoAYCHeatRoomCp	AYC heat room cmp tmp limit		
			AYC room compensation of heated water, heated water temp limit setting.		
872	1067	nviAYCHeatRoomPB	AYC heat room cmp P-band	1.00-10.00°C	SNVT_temp_p
873	1068	nvoAYCHeatRoomPB	AYC heat room cmp P-band		
			AYC room compensation of heated water, heated water P band setting.		
874	1069	nviAYCHeatNghtCp	AYC heat night cmp tmp	-10.00-10.00°C	SNVT_temp_p
875	1070	nvoAYCHeatNghtCp	AYC heat night cmp tmp		
			AYC night compensation of heated water, heated water night setting.		
876	1071	nviAYCHeatPmpOn	AYC heat pump on tmp	-40.00-40.00°C	SNVT_temp_p
877	1072	nvoAYCHeatPmpOn	AYC heat pump on tmp		
			AYC pump operation of heated water, outdoor temp start setting.		
878	1073	nviAYCHeatPmpOff	AYC heat pump off tmp	-40.00-40.00°C	SNVT_temp_p
879	1074	nvoAYCHeatPmpOff	AYC heat pump off tmp		
			AYC pump operation of heated water, outdoor temp stop setting.		
880	1075	nviAYCHeatPmpAlr	AYC heat pump alarm	0 - 3	SNVT_count
881	1076	nvoAYCHeatPmpAlr	AYC Heat Pump Alarm		
			Setting for selecting the AYC heated water pump alarm function. 0=Inactive. 1=Open. 2=Closed. 3=Contactor.		
882	1077	nviAYCHeatPerOpF	AYC heat per op func	0 - 3	SNVT_count
883	1078	nvoAYCHeatPerOpF	AYC heat per op func		
			Setting for selecting the AYC heated water periodic operation function. 0=Inactive. 1=Pump. 2=Pump+valve. 3=Valve.		
884	1079	nviAYCHeatPerOpT	AYC heat per op time	0-60min	SNVT_time_min
885	1080	nvoAYCHeatPerOpT	AYC heat per op time		
			AYC periodic operation of heated water, time (minute) setting.		
886	1081	nviAYCHeatPerOpI	AYC heat per op interval	0-168h	SNVT_time_hour
887	1082	nvoAYCHeatPerOpI	AYC heat per op interval		
			AYC periodic operation of heated water, interval time (hour) setting.		
888	1083	nviAYCCoolOutCX1	AYC cool out cmp X1	-40.00-40.00°C	SNVT_temp_p
889	1084	nvoAYCCoolOutCX1	AYC cool out cmp X1		
			AYC outdoor compensation of chilled water, outdoor temp X1 setting.		
890	1085	nviAYCCoolOutCY1	AYC cool out cmp Y1	10.00-80.00°C	SNVT_temp_p
891	1086	nvoAYCCoolOutCY1	AYC cool out cmp Y1		
			AYC outdoor compensation of chilled water, chilled water temp Y1 setting.		
892	1087	nviAYCCoolOutCX2	AYC cool out cmp X2	-40.00-40.00°C	SNVT_temp_p
893	1088	nvoAYCCoolOutCX2	AYC cool out cmp X2		
			AYC outdoor compensation of chilled water, outdoor temp X2 setting.		
894	1089	nviAYCCoolOutCY2	AYC cool out cmp Y2	10.00-80.00°C	SNVT_temp_p
895	1090	nvoAYCCoolOutCY2	AYC cool out cmp Y2		
			AYC outdoor compensation of chilled water, chilled water temp Y2 setting.		
896	1091	nviAYCCoolOutCX3	AYC cool out cmp X3	-40.00-40.00°C	SNVT_temp_p
897	1092	nvoAYCCoolOutCX3	AYC cool out cmp X3		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			AYC outdoor compensation of chilled water, outdoor temp X3 setting.		
898	1093	nviAYCCoolOutCY3	AYC cool out cmp Y3	10.00-80.00°C	SNVT_temp_p
899	1094	nvoAYCCoolOutCY3	AYC cool out cmp Y3		
			AYC outdoor compensation of chilled water, chilled water temp Y3 setting.		
900	1095	nviAYCCoolRoomCp	AYC cool room cmp tmp limit	0.00-40.00°C	SNVT_temp_p
901	1096	nvoAYCCoolRoomCp	AYC cool room cmp tmp limit		
			AYC room compensation of chilled water, chilled water temp limit setting.		
902	1097	nviAYCCoolRoomPB	AYC cool room cmp P-band	1.00-10.00°C	SNVT_temp_p
903	1098	nvoAYCCoolRoomPB	AYC cool room cmp P-band		
			AYC room compensation of chilled water, chilled water P-band setting.		
904	1099	nviAYCCoolNghtCp	AYC cool night cmp tmp	-10.00-10.00°C	SNVT_temp_p
905	1100	nvoAYCCoolNghtCp	AYC cool night cmp tmp		
			AYC night compensation of chilled water, chilled water night setting.		
906	1101	nviAYCCoolPmpOn	AYC cool pump on tmp	-40.00-40.00°C	SNVT_temp_p
907	1102	nvoAYCCoolPmpOn	AYC cool pump on tmp		
			AYC pump operation of chilled water, outdoor temp start setting.		
908	1103	nviAYCCoolPmpOff	AYC cool pump off tmp	-40.00-40.00°C	SNVT_temp_p
909	1104	nvoAYCCoolPmpOff	AYC cool pump off tmp		
			AYC pump operation of chilled water, outdoor temp stop setting.		
910	1105	nviAYCCoolPmpAlr	AYC cool pump alarm	0 - 3	SNVT_count
911	1106	nvoAYCCoolPmpAlr	AYC cool pump alarm		
			Setting for selecting the AYC chilled water pump alarm function. 0=Inactive. 1=Open. 2=Closed. 3=Contactor.		
912	1107	nviAYCCoolPerOpF	AYC cool per op func	0 - 3	SNVT_count
913	1108	nvoAYCCoolPerOpF	AYC cool per op func		
			Setting for selecting the AYC chilled water periodic operation function. 0=Inactive. 1=Pump. 2=Pump+valve. 3=Valve.		
914	1109	nviAYCCoolPerOpT	AYC cool per op time	0-60min	SNVT_time_min
915	1110	nvoAYCCoolPerOpT	AYC cool per op time		
			AYC periodic operation of chilled water, time (minute) setting.		
916	1111	nviAYCCoolPerOpI	AYC cool per op interval	0-168h	SNVT_time_hour
917	1112	nvoAYCCoolPerOpI	AYC cool per op interval		
			AYC periodic operation of chilled water, interval time (hour) setting.		
918	1113	nviIO3_re11_func	IO-mod 3 output 1 func	0 - 10	SNVT_count
919	1114	nvoIO3_re11_func	IO-mod 3 output 1 func		
			Setting of I/O-module no. 3 relay 1 output. 0=Cooling boost. 1=Heating boost. 2=Cooling. 3=Heat exchange. 4=Reheat. 5=Down regulation. 6=Effect reduction. 7=Intermittent night heat. 8=Summer night cooling. 9=Morning boost. 10=Heat exchange defrost.		
920	1115	nviIO3_re12_func	IO-mod 3 output 2 func	0 - 10	SNVT_count
921	1116	nvoIO3_re12_func	IO-mod 3 output 2 func		

NV Index	SNVT No	SNVT Name	SNVT Description	Min/Max	SNVT type
			Setting of I/O-module no. 3 relay 2 output. 0=Cooling boost. 1=Heating boost. 2=Cooling. 3=Heat exchange. 4=Reheat. 5=Down regulation. 6=Effect reduction. 7=Intermittent night heat. 8=Summer night cooling. 9=Morning boost. 10=Heat exchange defrost.		
922	842	nvoMajorVerLon	Major version of SW in GW	0 - 65535	SNVT_count
			Major version of software in LonWorks gateway.		
923	843	nvoMinorVerLon	Minor version of SW in GW	0 - 65535	SNVT_count
			Minor version of software in LonWorks gateway.		
924	1	nvoObjStatus	Response status variable to obj_request		SNVT_obj_status
925	2	nviObjRequest	Request variable for status of obj_status		SNVT_obj_request
926		nciAutoSendTime	Autoupdate of all netvars		SNVT_time_sec
			This variable defines the time it takes for all the parameters to be automatically updated on the network. 0 = The Autosend function is disabled.		
927		nciSndHrtBt	Send Heartbeat Time		SNVT_time_sec
			0 = The send heartbeat function is disabled.		
928		nciRcvHrtBt	Receive Heartbeat Time		SNVT_time_sec
			0 = The receive heartbeat function is disabled.		
929		nciMinOutTm	Min Time Between updates		SNVT_time_sec
			Minimum period of time between automatic network variable output transmissions. 0 = The min time between function is disabled.		
930		nciLocation	Location		SNVT_str_asc
			Free text string.		
931		nciSwitchCfg	SNVT_switch inp 0=as spec,>=1 value OR state		SCPTzoneNum
			Unsigned Long		