code	label	category	description	unit	signed	arithmetic	remarks
0025	ENUM_AD_MULTI_TENANT_NO	ENUM	WiFi Kit Multi Tenant No.				
2004	ENUM_NM_?	ENUM					
200F	ENUM_NM_NETWORK_POSITINON_LAYER	ENUM	Enumeration Type				
2010	ENUM_NM_NETWORK_TRACKING_STATE	ENUM					
2012	ENUM_NM_?	ENUM					
202	VAR_AD_ERROR_CODE1	VAR	Error code		false		
207	VAR_AD_INSTALL_NUMBER_INDOOR	VAR	Number of indoor units connected		false		
211	VAR_AD_INSTALL_NUMBER_MCU	VAR	Number of connected MCUs		false		
22f7	VAR_NM_??	VAR					
22f9	VAR_NM_??	VAR					
22fa	VAR_NM_??	VAR					
22fb	VAR_NM_??	VAR					
22fc	VAR_NM_??	VAR					
22fd	VAR_NM_??	VAR					
22fe	VAR_NM_??	VAR					
22ff	VAR_NM_??	VAR					
2400	LVAR_NM_??	LVAR					
2401	LVAR_NM_??	LVAR					
24fb	LVAR_NM_??	LVAR					
24fc	LVAR_NM_??	LVAR					
4000	ENUM_IN_OPERATION_POWER	ENUM	Indoor unit power on/off				0 Off, 1 On
4001	ENUM_IN_OPERATION_MODE	ENUM	Indoor unit control mode				0 Auto, 1 Cool, 2 Dry, 3 Fan, 4 Heat, 21 Cool Storage, 24 Hot water
4002	ENUM_IN_OPERATION_MODE_REAL	ENUM	Indoor unit current operation mode				0 Auto, 1 Cool, 2 Dry, 3 Fan, 4 Heat, 11 Auto Cool, 12 Auto Dry, 13 Auto Fan, 14 Auto Heat, 21 Cool Storage, 24 Hot w
4003	ENUM_IN_OPERATION_VENT_POWER	ENUM	Ventilation operation mode				
4004	ENUM_IN_OPERATION_VENT_MODE	ENUM					
4006	ENUM_IN_FAN_MODE	ENUM					
4007	ENUM_IN_FAN_MODE_REAL	ENUM	Indoor unit current air volume				
4008	ENUM_IN_FAN_VENT_MODE	ENUM	Indoor unit current air volume				
400f	ENUM_IN_??	ENUM					
401	LVAR_AD_ADDRESS_MAIN	LVAR			false		
4010	ENUM_IN_??	ENUM					
4011	ENUM_IN_LOUVER_HL_SWING	ENUM	Up and down wind direction setting/status				
4012	ENUM_IN_LOUVER_HL_PART_SWING	ENUM	Up and down wind direction setting/status				
4015	ENUM_IN_??	ENUM					
4019	ENUM_IN_??	ENUM					
401b	ENUM_IN_??	ENUM					
402	LVAR_AD_ADDRESS_RMC	LVAR			false		
4023	ENUM_IN_??	ENUM					
4024	ENUM_IN_??	ENUM					
4027	ENUM_IN_??	ENUM					
4028	ENUM_IN_STATE_THERMO	ENUM	Thermo On/Off				0 Off, 1 On
4029	ENUM_IN_??	ENUM					
402a	ENUM_IN_??	ENUM					
402b	ENUM_IN_??	ENUM					
402d	ENUM_IN_??	ENUM					
402E	ENUM_IN_STATE_DEFROST_MODE	ENUM	Defrost mode				0 Off, 1 On
402F	ENUM_IN_MTFC	ENUM					
4031	ENUM_IN_??	ENUM					
4035	ENUM_IN_??	ENUM					
4038	ENUM_IN_STATE_HUMIDITY_PERCENT	ENUM					
4043	ENUM_IN_??	ENUM					
4046	ENUM_IN_SILENCE	ENUM	Silence mode				0 Off, 1 On
4047	ENUM_IN_??	ENUM					
4048	ENUM_IN_??	ENUM					
404f	ENUM_IN_??	ENUM					
4051	ENUM_IN_??	ENUM					
4059	ENUM_IN_??	ENUM					
405f	ENUM_IN_??	ENUM					
4060	ENUM_IN_ALTERNATIVE_MODE	ENUM					0 Off, 9 On
4065	ENUM_IN_WATER_HEATER_POWER	ENUM	Water heater power				0 Off, 1 On
4066	ENUM_IN_WATER_HEATER_MODE	ENUM	Water heater mode				0 Eco, 1 Standard, 2 Power, 3 Force
4067	ENUM_IN_3WAY_VALVE	ENUM	Hydro_3Way				0 Room, 1 Tank
4068	ENUM_IN_SOLAR_PUMP	ENUM	Hydro_SolarPump				
4069	ENUM_IN_THERMOSTAT1	ENUM	Hydro_ExternalThermostat				0 Off, 1 Cool, 2 Heat
406A	ENUM_IN_THERMOSTAT2	ENUM	Hydro_ExternalThermostat2				
406B	ENUM_IN_??	ENUM					
406C	ENUM_IN_BACKUP_HEATER	ENUM	Backup heater mode				0 Off, 1 Step 1, 2 Step 2
406D	ENUM_IN_OUTING_MODE	ENUM	Outing mode				0 Off, 1 On
406E	ENUM_IN_QUIET_MODE	ENUM					
406F	ENUM_IN_REFERENCE_EHS_TEMP	ENUM	Hydro_ControlChoice_RoomTemp				0 Room, 1 Water out. Variabele isEhsSetTempWaterOut
4070	ENUM_IN_DISCHAGE_TEMP_CONTROL	ENUM					
4073	ENUM_IN_??	ENUM					
4074	ENUM_IN_??	ENUM					
4076	ENUM_IN_ROOM_TEMP_SENSOR	ENUM					
4077	ENUM_IN_??	ENUM					
407b	ENUM_IN_??	ENUM					
407d	ENUM_IN_??	ENUM					
407E	ENUM_IN_LOUVER_LR_SWING	ENUM	Left and right wind direction settings/status				
408	LVAR_AD_ADDRESS_SETUP	LVAR			false		
4085	ENUM_IN_??	ENUM					
4086	ENUM_IN_??	ENUM					
4087	ENUM_IN_BOOSTER_HEATER	ENUM	Booster heater				0 Off, 1 On
4089	ENUM_IN_STATE_WATER_PUMP	ENUM	Water pump				0 Off, 1 On
408A	ENUM_IN_2WAY_VALVE	ENUM					0 Off, 2 CV, 3 Boiler
409	LVAR_AD_INSTALL_LEVEL_ALL	LVAR			false		
4093	ENUM_IN_FSV_2041	ENUM	FSV				
4094	ENUM_IN_FSV_2081	ENUM					
4095	ENUM_IN_FSV_2091	ENUM					
4096	ENUM_IN_FSV_2092	ENUM					
4097	ENUM_IN_FSV_3011	ENUM					
4098	ENUM_IN_FSV_3031	ENUM					
4099	ENUM_IN_FSV_3041	ENUM					
409A	ENUM_IN_FSV_3042	ENUM					
409B	ENUM_IN_FSV_3051	ENUM					
409C	ENUM_IN_FSV_3061	ENUM					
409D	ENUM_IN_FSV_3071	ENUM					
409E	ENUM_IN_FSV_4011	ENUM					
409F	ENUM_IN_FSV_4021	ENUM					
40A	LVAR_AD_INSTALL_LEVEL_OPERATION_POWER	LVAR			false		
40A0	ENUM_IN_FSV_4022	ENUM					
40A1	ENUM_IN_FSV_4023	ENUM					
40A2	ENUM_IN_FSV_4031	ENUM					
40A3	ENUM_IN_FSV_4032	ENUM					
40A4	ENUM_IN_FSV_5041	ENUM					
40A5	ENUM_IN_FSV_5042	ENUM					
40A6	ENUM_IN_FSV_5043	ENUM					
40A7	ENUM_IN_FSV_5051	ENUM					
40B	LVAR_AD_INSTALL_LEVEL_OPERATION_MODE	LVAR			false		
40B4	ENUM_IN_FSV_5061	ENUM					
40B5	ENUM_IN_??	ENUM					
40BB	ENUM_IN_STATE_AUTO_STATIC_PRESSURE_RUNNING	ENUM					
40BC	ENUM_IN_STATE_KEY_TAG	ENUM	Vacancy control				
40BD	ENUM_IN_EMPTY_ROOM_CONTROL_USED	ENUM					
40C	LVAR_AD_INSTALL_LEVEL_FAN_MODE	LVAR			false		
40C0	ENUM_IN_FSV_4041	ENUM					
40C1	ENUM_IN_FSV_4044	ENUM					
40C2	ENUM_IN_FSV_4051	ENUM					
40C3	ENUM_IN_FSV_4053	ENUM					
40C4	ENUM_IN_WATERPUMP_PWM_VALUE	ENUM	Water pump speed				
40C5	ENUM_IN_THERMOSTAT_WATER_HEATER	ENUM	Hydro_WaterHeaterThermostat				
40C6	ENUM_IN_??	ENUM					
40D	LVAR_AD_INSTALL_LEVEL_FAN_DIRECTION	LVAR			false		
40D5	ENUM_IN_ENTER_ROOM_CONTROL_USED	ENUM					
40D6	ENUM_IN_ERROR_HISTORY_CLEAR_FOR_HASS	ENUM					
40E	LVAR_AD_INSTALL_LEVEL_TEMP_TARGET	LVAR			false		
40E7	ENUM_IN_CHILLER_WATERLAW_SENSOR	ENUM	DMV Chiller Option				
40F	LVAR_AD_INSTALL_LEVEL_KEEP_INDIVIDUAL_CONTROL	LVAR			false		
40F7	ENUM_IN_CHILLER_WATERLAW_ON_OFF	ENUM					
40FB	ENUM_IN_CHILLLER_SETTING_SILENT_LEVEL	ENUM					
40FC	ENUM_IN_CHILLER_SETTING_DEMAND_LEVEL	ENUM					
410	LVAR_AD_INSTALL_LEVEL_OPERATION_MODE_ONLY	LVAR			false		
4101	ENUM_IN_CHILLER_EXT_WATER_OUT_INPUT	ENUM					
4102	ENUM_IN_STATE_FLOW_CHECK	ENUM					
4103	ENUM_IN_WATER_VALVE_1_ON_OFF	ENUM	FCU Kit				
4104	ENUM_IN_WATER_VALVE_2_ON_OFF	ENUM					
4105	ENUM_IN_ENTHALPY_CONTROL_STATE	ENUM					
4107	ENUM_IN_FSV_5033	ENUM					
4108	ENUM_IN_TDM_INDOOR_TYPE	ENUM					
410D	ENUM_IN_FREE_COOLING_STATE	ENUM					
411	LVAR_AD_INSTALL_LEVEL_COOL_MODE_UPPER	LVAR		Celsius	false	(value & 0xFFFF0000u) >> 16) / 10.0;	
4113	ENUM_IN_3WAY_VALVE_2	ENUM					
4117	ENUM_IN_??	ENUM					
4119	ENUM_IN_OPERATION_POWER_ZONE1	ENUM					
411A	ENUM_IN_FSV_4061	ENUM					
411B	ENUM_IN_FSV_5081	ENUM					
411C	ENUM_IN_FSV_5091	ENUM					
411D	ENUM_IN_FSV_5094	ENUM					
411E	ENUM_IN_OPERATION_POWER_ZONE2	ENUM	Zone2 Normal Power				
412	LVAR_AD_INSTALL_LEVEL_COOL_MODE_LOWER	LVAR		Celsius	false	(value & 0xFFFF0000u) >> 16) / 10.0;	
4123	ENUM_IN_PV_CONTACT_STATE	ENUM	PV Control				
4124	ENUM_IN_SG_READY_MODE_STATE	ENUM	Smart Grid				
4125	ENUM_IN_FSV_LOAD_SAVE	ENUM					
4127	ENUM_IN_FSV_2093	ENUM					
4128	ENUM_IN_FSV_5022	ENUM					
412A	ENUM_IN_FSV_2094	ENUM					
412D	ENUM_IN_FSV_LOAD_SAVE	ENUM					
413	LVAR_AD_INSTALL_LEVEL_HEAT_MODE_UPPER	LVAR		Celsius	false	(value & 0xFFFF0000u) >> 16) / 10.0;	
414	LVAR_AD_INSTALL_LEVEL_HEAT_MODE_LOWER	LVAR		Celsius	false	(value & 0xFFFF0000u) >> 16) / 10.0;	
4147	ENUM_IN_GAS_LEVEL	ENUM					
4149	ENUM_IN_DIFFUSER_OPERATION_POWER	ENUM					
415	LVAR_AD_INSTALL_LEVEL_CONTACT_CONTROL	LVAR			false		
416	LVAR_AD_INSTALL_LEVEL_KEY_OPERATION_INPUT	LVAR			false		
417	LVAR_AD_??	LVAR					
418	LVAR_AD_??	LVAR					
419	LVAR_AD_??	LVAR					
41b	LVAR_AD_??	LVAR					
4201	VAR_IN_TEMP_TARGET_F	VAR	Indoor unit set temperature	Celsius	true	division by 10	if isEhsSetTempWaterOut (406F) ==1 , use value of variabele waterOutSetTemp = 4247
4202	VAR_IN_??	VAR		Celsius	true	division by 10	
4203	VAR_IN_TEMP_ROOM_F	VAR	Room Temperature	Celsius	true	division by 10	
4204	VAR_IN_??	VAR		Celsius	true	division by 10	
4205	VAR_IN_TEMP_EVA_IN_F	VAR	Indoor Eva In Temperature	Celsius	true	division by 10	
4206	VAR_IN_TEMP_EVA_OUT_F	VAR	Indoor Eva Out Temperature	Celsius	true	division by 10	
4207	VAR_IN_TEMP_ELECTRIC_HEATER_F	VAR	Electric heater temperature value	Celsius	true	division by 10	
420B	VAR_IN_TEMP_DISCHARGE	VAR	Indoor Discharge Temp(Duct, AHU)	Celsius	true	division by 10	
420c	VAR_IN_420C	VAR		Celsius	true	division by 10	
4211	VAR_IN_CAPACITY_REQUEST	VAR	Capacity	kW	false	division by 8.6	
4212	VAR_IN_CAPACITY_ABSOLUTE	VAR		kW	false	division by 8.6	
4213	VAR_IN_??	VAR					
4217	VAR_IN_EEV_VALUE_REAL_1	VAR	Current EEV development level		false		
4218	VAR_IN_EEV_VALUE_REAL_2	VAR	Current EEV2 development level		false		
421B	VAR_IN_SENSOR_CO2_PPM	VAR	CO2 sensor detection ppm		false		
4229	VAR_IN_MODEL_INFORMATION	VAR	Indoor unit model information				
422A	VAR_IN_TEMP_DISCHARGE_COOL_TARGET_F	VAR		Celsius	true	division by 10	
422B	VAR_IN_TEMP_DISCHARGE_HEAT_TARGET_F	VAR		Celsius	true	division by 10	
4235	VAR_IN_TEMP_WATER_HEATER_TARGET_F	VAR	DHW target temperature	Celsius	true	division by 10	
4236	VAR_IN_TEMP_WATER_IN_F	VAR	Hydro_WaterIn	Celsius	true	division by 10	
4237	VAR_IN_TEMP_WATER_TANK_F	VAR	DHW tank current temperature	Celsius	true	division by 10	
4238	VAR_IN_TEMP_WATER_OUT_F	VAR	Hydro_WaterOut	Celsius	true	division by 10	
4239	VAR_IN_TEMP_WATER_OUT2_F	VAR	Hydro_HeaterOut	Celsius	true	division by 10	
423e	VAR_IN_??	VAR					
4247	VAR_IN_TEMP_WATER_OUTLET_TARGET_F	VAR	Hydro_WaterOutletTargetF	Celsius	true	division by 10	variabele waterOutSetTemp
4248	VAR_IN_TEMP_WATER_LAW_TARGET_F	VAR		Celsius	true	division by 10	
424A	VAR_IN_FSV_1011	VAR		Celsius	true	division by 10	
424B	VAR_IN_FSV_1012	VAR		Celsius	true	division by 10	
424C	VAR_IN_FSV_1021	VAR		Celsius	true	division by 10	
424D	VAR_IN_FSV_1022	VAR		Celsius	true	division by 10	
424E	VAR_IN_FSV_1031	VAR		Celsius	true	division by 10	
424F	VAR_IN_FSV_1032	VAR		Celsius	true	division by 10	
4250	VAR_IN_FSV_1041	VAR		Celsius	true	division by 10	
4251	VAR_IN_FSV_1042	VAR		Celsius	true	division by 10	
4252	VAR_IN_FSV_1051	VAR		Celsius	true	division by 10	
4253	VAR_IN_FSV_1052	VAR		Celsius	true	division by 10	
4254	VAR_IN_FSV_2011	VAR		Celsius	true	division by 10	
4255	VAR_IN_FSV_2012	VAR		Celsius	true	division by 10	
4256	VAR_IN_FSV_2021	VAR		Celsius	true	division by 10	
4257	VAR_IN_FSV_2022	VAR		Celsius	true	division by 10	
4258	VAR_IN_FSV_2031	VAR		Celsius	true	division by 10	
4259	VAR_IN_FSV_2032	VAR		Celsius	true	division by 10	
425A	VAR_IN_FSV_2051	VAR		Celsius	true	division by 10	
425B	VAR_IN_FSV_2052	VAR		Celsius	true	division by 10	
425C	VAR_IN_FSV_2061	VAR		Celsius	true	division by 10	
425D	VAR_IN_FSV_2062	VAR		Celsius	true	division by 10	
425E	VAR_IN_FSV_2071	VAR		Celsius	true	division by 10	
425F	VAR_IN_FSV_2072	VAR		Celsius	true	division by 10	
4260	VAR_IN_FSV_3021	VAR		Celsius	true	division by 10	
4261	VAR_IN_FSV_3022	VAR		Celsius	true	division by 10	
4262	VAR_IN_FSV_3023	VAR		Celsius	true	division by 10	
4263	VAR_IN_FSV_3024	VAR			false		
4264	VAR_IN_FSV_3025	VAR			false		
4265	VAR_IN_FSV_3026	VAR			false		
4266	VAR_IN_FSV_3032	VAR			false		
4267	VAR_IN_FSV_3033	VAR		Celsius	true	division by 10	
4268	VAR_IN_FSV_3034	VAR		Celsius	true	division by 10	
4269	VAR_IN_FSV_3043	VAR			false		
426A	VAR_IN_FSV_3044	VAR		Celsius	true	division by 10	
426B	VAR_IN_FSV_3045	VAR			true		
426C	VAR_IN_FSV_3052	VAR			true	division by 0.1	
426D	VAR_IN_FSV_4012	VAR		Celsius	true	division by 10	
426E	VAR_IN_FSV_4013	VAR		Celsius	true	division by 10	
426F	VAR_IN_FSV_4014	VAR		Celsius	true	division by 10	
4270	VAR_IN_FSV_4024	VAR		Celsius	true	division by 10	
4271	VAR_IN_FSV_4025	VAR		Celsius	true	division by 10	
4272	VAR_IN_FSV_4033	VAR		Celsius	true	division by 10	
4273	VAR_IN_FSV_5011	VAR		Celsius	true	division by 10	
4274	VAR_IN_FSV_5012	VAR		Celsius	true	division by 10	
4275	VAR_IN_FSV_5013	VAR		Celsius	true	division by 10	
4276	VAR_IN_FSV_5014	VAR		Celsius	true	division by 10	
4277	VAR_IN_FSV_5015	VAR		Celsius	true	division by 10	
4278	VAR_IN_FSV_5016	VAR		Celsius	true	division by 10	
4279	VAR_IN_FSV_5017	VAR		Celsius	true	division by 10	
427A	VAR_IN_FSV_5018	VAR		Celsius	true	division by 10	
427B	VAR_IN_FSV_5019	VAR		Celsius	true	division by 10	
427C	VAR_IN_FSV_5021	VAR		Celsius	true	division by 10	
427D	VAR_IN_FSV_5031	VAR			false		
427E	VAR_IN_FSV_5032	VAR			false		
427F	VAR_IN_TEMP_WATER_LAW_F	VAR	Hydro_WaterLawTargetF	Celsius	true	division by 10	
4286	VAR_IN_FSV_4042	VAR		Celsius	false	division by 10	
4287	VAR_IN_FSV_4043	VAR		Celsius	false	division by 10	
4288	VAR_IN_FSV_4045	VAR			false		
4289	VAR_IN_FSV_4046	VAR			false	division by 0.1	
428A	VAR_IN_FSV_4052	VAR		Celsius	false	division by 10	
428C	VAR_IN_TEMP_MIXING_VALVE_F	VAR	Hydro_MixingValve	Celsius	true	division by 10	
428d	VAR_IN_??	VAR					
4297	VAR_AHU_PANEL_SA_TEMP	VAR			true		
4298	VAR_AHU_PANEL_SA_HUMIDITY	VAR			true		
429F	VAR_IN_FAN_CURRENT_RPM_SUCTION1	VAR			false		
42A1	VAR_IN_FAN_CURRENT_RPM_SUCTION2	VAR			false		
42A3	VAR_IN_FAN_CURRENT_RPM_SUCTION3	VAR			false		
42A5	VAR_IN_TEMP_PANEL_AIR_COOL1_F	VAR		Celsius	true	division by 10	
42A6	VAR_IN_TEMP_PANEL_AIR_COOL2_F	VAR		Celsius	true	division by 10	
42A7	VAR_IN_TEMP_PANEL_ROOM_COOL1_F	VAR		Celsius	true	division by 10	
42A8	VAR_IN_TEMP_PANEL_ROOM_COOL2_F	VAR		Celsius	true	division by 10	
42A9	VAR_IN_TEMP_PANEL_TARGET_COOL1_F	VAR		Celsius	true	division by 10	
42AA	VAR_IN_TEMP_PANEL_TARGET_COOL2_F	VAR		Celsius	true	division by 10	
42AB	VAR_IN_TEMP_PANEL_AIR_HEAT1_F	VAR		Celsius	true	division by 10	
42AC	VAR_IN_TEMP_PANEL_AIR_HEAT2_F	VAR		Celsius	true	division by 10	
42AD	VAR_IN_TEMP_PANEL_ROOM_HEAT1_F	VAR		Celsius	true	division by 10	
42AE	VAR_IN_TEMP_PANEL_ROOM_HEAT2_F	VAR		Celsius	true	division by 10	
42AF	VAR_IN_TEMP_PANEL_TARGET_HEAT1_F	VAR		Celsius	true	division by 10	
42B0	VAR_IN_TEMP_PANEL_TARGET_HEAT2_F	VAR		Celsius	true	division by 10	
42B1	VAR_IN_MCC_GROUP_MODULE_ADDRESS	VAR			false		
42B2	VAR_IN_MCC_GROUP_MAIN	VAR			false		
42B3	VAR_IN_MCC_MODULE_MAIN	VAR			false		
42C2	VAR_IN_TEMP_EVA2_IN_F	VAR	Indoor Eva2 In temperature	Celsius	true	division by 10	
42C3	VAR_IN_TEMP_EVA2_OUT_F	VAR	Indoor Eva2 Out Temperature	Celsius	true	division by 10	
42C4	VAR_IN_CHILLER_PHE_IN_P	VAR	Inlet pressure	kgfcm2	true	division by 100	
42C5	VAR_IN_CHILLER_PHE_OUT_P	VAR	Outlet pressure	kgfcm2	true	division by 100	
42C9	VAR_IN_CHILLER_EXTERNAL_TEMPERATURE	VAR	External sensor-Room temperature	Celsius	true	division by 10	
42CA	VAR_IN_MODULATING_VALVE_1	VAR			false		
42CB	VAR_IN_MODULATING_VALVE_2	VAR			false		
42CC	VAR_IN_MODULATING_FAN	VAR			false		
42CD	VAR_IN_TEMP_WATER_IN2_F	VAR		Celsius	true	division by 10	
42CE	VAR_IN_FSV_3046	VAR			false		
42CF	VAR_IN_ENTHALPY_SENSOR_OUTPUT	VAR		Enthalpy	false	division by 10	
42D0	VAR_IN_EXT_VARIABLE_DAMPER_OUTPUT	VAR			false		
42D1	VAR_IN_DUST_SENSOR_PM10_0_VALUE	VAR			false		
42D2	VAR_IN_DUST_SENSOR_PM2_5_VALUE	VAR			false		
42D3	VAR_IN_DUST_SENSOR_PM1_0_VALUE	VAR			false		
42D4	VAR_IN_TEMP_ZONE2_F	VAR	Idiom_RoomTemp_Zone2	Celsius	true	division by 10	
42D6	VAR_IN_TEMP_TARGET_ZONE2_F	VAR	Zone2 Room Set Temp.	Celsius	true	division by 10	
42D7	VAR_IN_TEMP_WATER_OUTLET_TARGET_ZONE2_F	VAR	Water Outlet2 Set Temp.	Celsius	true	division by 10	
42D8	VAR_IN_TEMP_WATER_OUTLET_ZONE1_F	VAR	Zone1 WaterOut Temp	Celsius	true	division by 10	
42D9	VAR_IN_TEMP_WATER_OUTLET_ZONE2_F	VAR	Zone2 WaterOut Temp	Celsius	true	division by 10	
42DB	VAR_IN_FSV_5082	VAR		Celsius	false	division by 10	
42DC	VAR_IN_FSV_5083	VAR		Celsius	false	division by 10	
42DD	VAR_IN_FSV_5092	VAR		Celsius	false	division by 10	
42DE	VAR_IN_FSV_5093	VAR		Celsius	false	division by 10	
42E8	VAR_IN_FLOW_SENSOR_VOLTAGE	VAR			false	division by 10	
42E9	VAR_IN_FLOW_SENSOR_CALC	VAR	Flow Sensor		true	division by 10	
42ED	VAR_IN_FSV_3081	VAR			true		
42EE	VAR_IN_FSV_3082	VAR			true		
42EF	VAR_IN_FSV_3083	VAR			true		
42F0	VAR_IN_FSV_5023	VAR		Celsius	true	division by 10	
42f1	VAR_IN_??	VAR					
4301	VAR_IN_??	VAR					
4302	VAR_IN_CAPACITY_VENTILATION_REQUEST	VAR		kW	false	division by 8.6	
4401	LVAR_IN_??	LVAR					
440A	LVAR_IN_DEVICE_STAUS_HEATPUMP_BOILER	LVAR	Switch_HyrdoFlow		false		
440e	LVAR_IN_??	LVAR					
440F	LVAR_IN_??	LVAR					
4415	LVAR_IN_AUTO_STATIC_PRESSURE	LVAR			false		
4418	LVAR_IN_EMPTY_ROOM_CONTROL_DATA	LVAR			false		
441B	LVAR_IN_ENTER_ROOM_CONTROL_DATA	LVAR			false		
441F	LVAR_IN_ETO_COOL_CONTROL_DATA	LVAR			false		
4420	LVAR_IN_ETO_HEAT_CONTROL_DATA	LVAR			false		
4423	LVAR_IN_4423	LVAR	Minutes since installation				
4424	LVAR_IN_4424	LVAR	Minutes active				
4426	LVAR_IN_4426	LVAR	Generated power last minute	kW	false	division by 1000	
4427	LVAR_IN_4427	LVAR	Total generated power	kW	false	division by 1000	
448	LVAR_AD_MCU_PORT_SETUP	LVAR			false		
4604	STR_IN_INSTALL_INDOOR_SETUP_INFO	STR					
461E	STR_IN_ERROR_HISTORY_FOR_HASS	STR	Structure Type				
600	STR_AD_OPTION_BASIC	STR					
601	STR_AD_OPTION_INSTALL	STR					
602	STR_AD_OPTION_INSTALL_2	STR					
603	STR_AD_OPTION_CYCLE	STR					
605	STR_AD_INFO_EQUIP_POSITION	STR					
607	STR_AD_ID_SERIAL_NUMBER	STR	OutdoorTableSerialNumber				
608	STR_AD_DBCODE_MICOM_MAIN	STR	OutdoorUnitMainDBCodeVersion				
60C	STR_AD_DBCODE_EEPROM	STR	OutdoorTableEEPROMDBCodeVersion				
61A	STR_AD_PRODUCT_MODEL_NAME	STR					
61C	STR_AD_PRODUCT_MAC_ADDRESS	STR	WiFi Kit MAC Address				
61F	STR_AD_ID_MODEL_NAME	STR	Model Name				
8000	ENUM_OUT_OPERATION_SERVICE_OP	ENUM	Indoor unit defrost operation steps				2 Heating test run, 3 Pump out, 13 Cooling test run, 14 Pump down
8001	ENUM_OUT_OPERATION_ODU_MODE	ENUM	outdoor driving mode				0 OP_STOP, 1 OP_SAFETY, 2 OP_NORMAL, 3 OP_BALANCE, 4 OP_RECOVERY, 5 OP_DEICE, 6 OP_COMPDOWN, 7 OP_
8002	ENUM_OUT_??	ENUM					
8003	ENUM_OUT_OPERATION_HEATCOOL	ENUM	Outdoor unit cooling/heating mode				1 Cool, 2 Heat, 3 CoolMain, 4 HeatMain
8005	ENUM_OUT_??	ENUM					
800d	ENUM_OUT_??	ENUM					
8010	ENUM_OUT_LOAD_COMP1	ENUM	Comp#1 On/Off				
8011	ENUM_OUT_LOAD_COMP2	ENUM	Comp#2 On/Off				
8012	ENUM_OUT_LOAD_COMP3	ENUM	Comp#3 On/Off				
8013	ENUM_OUT_LOAD_CCH1	ENUM	CCH1 On/Off				
8014	ENUM_OUT_LOAD_CCH2	ENUM	CCH2 On/Off				
8017	ENUM_OUT_LOAD_HOTGAS	ENUM	HotGas1 On/Off				
8018	ENUM_OUT_LOAD_HOTGAS2	ENUM	HotGas2 On/Off				
8019	ENUM_OUT_LOAD_LIQUID	ENUM	Liquid On/Off				
801A	ENUM_OUT_LOAD_4WAY	ENUM	4Way On/Off				
801F	ENUM_OUT_LOAD_MAINCOOL	ENUM					
8020	ENUM_OUT_LOAD_OUTEEV	ENUM					
8021	ENUM_OUT_LOAD_EVI_BYPASS	ENUM	EVI ByPass On/Off				
8022	ENUM_OUT_LOAD_EVI_SOL1	ENUM	EVI Sol1 On/Off				
8023	ENUM_OUT_LOAD_EVI_SOL2	ENUM	EVI Sol2 On/Off				
8025	ENUM_OUT_LOAD_GASCHARGE	ENUM	Hot Gas Charging				
8026	ENUM_OUT_LOAD_WATER	ENUM	2Way Valve				
8027	ENUM_OUT_LOAD_PUMPOUT	ENUM	Pump Out				
802A	ENUM_OUT_LOAD_4WAY2	ENUM					
8031	ENUM_OUT_??	ENUM					
8032	ENUM_OUT_??	ENUM					
8033	ENUM_OUT_??	ENUM					
8034	ENUM_OUT_LOAD_LIQUIDTUBE	ENUM	Liquid tube				
8037	ENUM_OUT_LOAD_ACCRETURN	ENUM	ARV On/Off				
803B	ENUM_OUT_LOAD_FLOW_SWITCH	ENUM	Flow Switch				
803C	ENUM_OUT_OPERATION_AUTO_INSPECT_STEP	ENUM	Automatic check step				
803F	ENUM_OUT_??	ENUM					
8043	ENUM_OUT_??	ENUM					
8045	ENUM_OUT_??	ENUM					
8046	ENUM_OUT_OP_TEST_OP_COMPLETE	ENUM					
8047	ENUM_OUT_??	ENUM					
8048	ENUM_OUT_??	ENUM					
8049	ENUM_OUT_MCU_LOAD_COOL_A	ENUM	MCU				
804A	ENUM_OUT_MCU_LOAD_HEAT_A	ENUM					
804B	ENUM_OUT_MCU_LOAD_COOL_B	ENUM					
804C	ENUM_OUT_MCU_LOAD_HEAT_B	ENUM					
804D	ENUM_OUT_MCU_LOAD_COOL_C	ENUM					
804E	ENUM_OUT_MCU_LOAD_HEAT_C	ENUM					
804F	ENUM_OUT_MCU_LOAD_COOL_D	ENUM					
8050	ENUM_OUT_MCU_LOAD_HEAT_D	ENUM					
8051	ENUM_OUT_MCU_LOAD_COOL_E	ENUM					
8052	ENUM_OUT_MCU_LOAD_HEAT_E	ENUM					
8053	ENUM_OUT_MCU_LOAD_COOL_F	ENUM					
8054	ENUM_OUT_MCU_LOAD_HEAT_F	ENUM					
8055	ENUM_OUT_MCU_LOAD_LIQUID	ENUM					
8058	ENUM_OUT_MCU_PORT0_INDOOR_ADDR	ENUM					
8059	ENUM_OUT_MCU_PORT1_INDOOR_ADDR	ENUM					
805A	ENUM_OUT_MCU_PORT2_INDOOR_ADDR	ENUM					
805B	ENUM_OUT_MCU_PORT3_INDOOR_ADDR	ENUM					
805C	ENUM_OUT_MCU_PORT4_INDOOR_ADDR	ENUM					
805D	ENUM_OUT_MCU_PORT5_INDOOR_ADDR	ENUM					
805e	ENUM_OUT_??	ENUM					
8061	ENUM_OUT_DEICE_STEP_INDOOR	ENUM	Indoor unit defrost operation steps				1 Defrost stage 1, 2 Defrost stage 2, 3 Defrost stage 3, 7 Defrost operation end stage, 255 No defrost operation
8066	ENUM_OUT_??	ENUM					
8077	ENUM_OUT_??	ENUM					
8079	ENUM_OUT_??	ENUM					
807c	ENUM_OUT_??	ENUM					
807d	ENUM_OUT_??	ENUM					
807e	ENUM_OUT_??	ENUM					
8081	ENUM_OUT_??	ENUM					
808c	ENUM_OUT_??	ENUM					
808d	ENUM_OUT_??	ENUM					
808E	ENUM_OUT_OP_CHECK_REF_STEP	ENUM	Refrigerant amount level		false		This is Enum in definition. But we need operation, so just consider this as variable.
808f	ENUM_OUT_??	ENUM					
8092	ENUM_OUT_INSTALL_ODU_COUNT	ENUM			false		
8099	ENUM_OUT_CONTROL_FAN_NUM	ENUM	Number of outdoor fans		false		
809C	ENUM_OUT_CHECK_REF_RESULT	ENUM	Refrigerant amount determination result				
809E	ENUM_OUT_LOAD_CBOX_COOLING_FAN	ENUM	DC Fan				
80A5	ENUM_OUT_STATE_BACKUP_OPER	ENUM	Backup operation operation status On/Off				
80A6	ENUM_OUT_STATE_COMP_PROTECT_OPER	ENUM	Compressor protection control operation status On/Off				0 Off, 1 On
80a8	ENUM_OUT_??	ENUM					
80a9	ENUM_OUT_??	ENUM					
80aa	ENUM_OUT_??	ENUM					
80ab	ENUM_OUT_??	ENUM					
80ae	ENUM_OUT_??	ENUM					
80AF	ENUM_OUT_LOAD_BASEHEATER	ENUM	Base heater On/Off state for EHS				0 Off, 1 On
80b1	ENUM_OUT_??	ENUM					
80B4	ENUM_OUT_STATE_ACCUM_VALVE_ONOFF	ENUM					
80B8	ENUM_OUT_LOAD_OIL_BYPASS1	ENUM					
80B9	ENUM_OUT_LOAD_OIL_BYPASS2	ENUM					
80BE	ENUM_OUT_OP_A2_CURRENTMODE	ENUM					
80C1	ENUM_OUT_LOAD_A2A_VALVE	ENUM					
80ce	ENUM_OUT_??	ENUM					
80D7	ENUM_OUT_LOAD_PHEHEATER	ENUM					
80D8	ENUM_OUT_EHS_WATEROUT_TYPE	ENUM					
8200	VAR_OUT_??	VAR					
8201	VAR_OUT_??	VAR					
8202	VAR_OUT_INSTALL_COMP_NUM	VAR	Number of outdoor unit compressors		false		
8204	VAR_OUT_SENSOR_AIROUT	VAR	Outdoor temperature	Celsius	true	division by 10	
8206	VAR_OUT_SENSOR_HIGHPRESS	VAR	High pressure	kgfcm2	true	division by 100	
8208	VAR_OUT_SENSOR_LOWPRESS	VAR	low pressure	kgfcm2	true	division by 100	
820A	VAR_OUT_SENSOR_DISCHARGE1	VAR	Discharge1	Celsius	true	division by 10	The discharge temperature in a heat pump refers to the temperature of the refrigerant as it exits the compressor an
820C	VAR_OUT_SENSOR_DISCHARGE2	VAR	Discharge2	Celsius	true	division by 10	
820E	VAR_OUT_SENSOR_DISCHARGE3	VAR	Discharge3	Celsius	true	division by 10	
8217	VAR_OUT_SENSOR_CT1	VAR	Compressor 1 current		false	division by 10	
8218	VAR_OUT_SENSOR_CONDOUT	VAR	Main heat exchanger outlet temperature	Celsius	true	division by 10	
821A	VAR_OUT_SENSOR_SUCTION	VAR	Suction temperature	Celsius	true	division by 10	
821C	VAR_OUT_SENSOR_DOUBLETUBE	VAR	Liquid pipe temperature	Celsius	true	division by 10	
821E	VAR_OUTCD__SENSOR_EVIIN	VAR	EVI IN	Celsius	true	division by 10	
8220	VAR_OUT_SENSOR_EVIOUT	VAR	EVI OUT	Celsius	true	division by 10	
8223	VAR_OUT_CONTROL_TARGET_DISCHARGE	VAR	Target discharge temperature	Celsius	true	division by 10	
8225	VAR_OUT_??	VAR					
8226	VAR_OUT_LOAD_FANSTEP1	VAR	Outdoor Fan Step		false		
8229	VAR_OUT_LOAD_OUTEEV1	VAR	Main EEV1		false		An Electronic Expansion Valve, or EEV for short, is installed before the evaporator in an air handler/coil and after the
822A	VAR_OUT_LOAD_OUTEEV2	VAR	Main EEV2		false		
822B	VAR_OUT_LOAD_OUTEEV3	VAR	Main EEV3		false		
822C	VAR_OUT_LOAD_OUTEEV4	VAR	Main EEV4		false		
822D	VAR_OUT_LOAD_OUTEEV5	VAR	Main EEV5		false		
822E	VAR_OUT_LOAD_EVIEEV	VAR	EVI EEV		false		
8233	VAR_OUT_??	VAR					
8235	VAR_OUT_ERROR_CODE	VAR	HTU error code		false		
8236	VAR_OUT_CONTROL_ORDER_CFREQ_COMP1	VAR	Instruction frequency 1		false		
8237	VAR_OUT_CONTROL_TARGET_CFREQ_COMP1	VAR	Target frequency 1		false		
8238	VAR_OUT_CONTROL_CFREQ_COMP1	VAR	Current frequency 1		false		
8239	VAR_OUT_??	VAR					
823B	VAR_OUT_SENSOR_DCLINK_VOLTAGE	VAR	DC Link1		false		
823D	VAR_OUT_LOAD_FANRPM1	VAR	Outdoor Fan1 RPM		false		
823E	VAR_OUT_LOAD_FANRPM2	VAR	Outdoor Fan2 RPM		false		
823f	VAR_OUT_??	VAR					
8243	VAR_OUT_??	VAR					
8247	VAR_OUT_??	VAR					
8248	VAR_OUT_??	VAR					
824c	VAR_OUT_??	VAR					
824F	VAR_OUT_CONTROL_REFRIGERANTS_VOLUME	VAR	Refrigerant amount		false	division by 10	
8254	VAR_OUT_SENSOR_IPM1	VAR	IPM1 Temperature	Celsius	true	division by 10	The IPM is a component within the inverter system. It is responsible for converting the incoming direct current (DC)
8255	VAR_OUT_SENSOR_IPM2	VAR	IPM2 Temperature	Celsius	true	division by 10	
825E	VAR_OUT_SENSOR_TEMP_WATER	VAR	Water Temperature	Celsius	true	division by 10	
825F	VAR_OUT_SENSOR_PIPEIN1	VAR		Celsius	true	division by 10	
8260	VAR_OUT_SENSOR_PIPEIN2	VAR		Celsius	true	division by 10	
8261	VAR_OUT_SENSOR_PIPEIN3	VAR		Celsius	true	division by 10	
8262	VAR_OUT_SENSOR_PIPEIN4	VAR		Celsius	true	division by 10	
8263	VAR_OUT_SENSOR_PIPEIN5	VAR		Celsius	true	division by 10	
8264	VAR_OUT_SENSOR_PIPEOUT1	VAR		Celsius	true	division by 10	
8265	VAR_OUT_SENSOR_PIPEOUT2	VAR		Celsius	true	division by 10	
8266	VAR_OUT_SENSOR_PIPEOUT3	VAR		Celsius	true	division by 10	
8267	VAR_OUT_SENSOR_PIPEOUT4	VAR		Celsius	true	division by 10	
8268	VAR_OUT_SENSOR_PIPEOUT5	VAR		Celsius	true	division by 10	
826B	VAR_OUT_MCU_SENSOR_SUBCOOLER_IN	VAR		Celsius	true	division by 10	
826C	VAR_OUT_MCU_SENSOR_SUBCOOLER_OUT	VAR		Celsius	true	division by 10	
826D	VAR_OUT_MCU_SUBCOOLER_EEV	VAR			false		
826E	VAR_OUT_MCU_CHANGE_OVER_EEV1	VAR			false		
826F	VAR_OUT_MCU_CHANGE_OVER_EEV2	VAR			false		
8270	VAR_OUT_MCU_CHANGE_OVER_EEV3	VAR			false		
8271	VAR_OUT_MCU_CHANGE_OVER_EEV4	VAR			false		
8272	VAR_OUT_MCU_CHANGE_OVER_EEV5	VAR			false		
8273	VAR_OUT_MCU_CHANGE_OVER_EEV6	VAR			false		
8274	VAR_OUT_CONTROL_ORDER_CFREQ_COMP2	VAR	Instruction frequency 2		false		
8275	VAR_OUT_CONTROL_TARGET_CFREQ_COMP2	VAR	Target frequency 2		false		
8276	VAR_OUT_CONTROL_CFREQ_COMP2	VAR	Current frequency 2		false		
8277	VAR_OUT_SENSOR_CT2	VAR	Compressor 2 current		false		
8278	VAR_OUT_SENSOR_OCT1	VAR	Compressor OCT1		false		
827A	VAR_OUT_CONTROL_DSH1	VAR	Just for EHS HTU	Celsius	true	division by 10	
8280	VAR_OUT_SENSOR_TOP1	VAR	Top1	Celsius	true	division by 10	
8281	VAR_OUT_SENSOR_TOP2	VAR	Top2	Celsius	true	division by 10	
8287	VAR_OUT_INSTALL_CAPA	VAR	Outdoor unit horsepower	HP	false		
829A	VAR_OUT_SENSOR_SUCTION2_1SEC	VAR		Celsius	true	division by 10	
829F	VAR_OUT_SENSOR_SAT_TEMP_HIGH_PRESSURE	VAR	High pressure saturation temperature	Celsius	true	division by 10	
82A0	VAR_OUT_SENSOR_SAT_TEMP_LOW_PRESSURE	VAR	Low pressure saturation temperature	Celsius	true	division by 10	
82a2	VAR_OUT_??	VAR					
82A8	VAR_OUT_CONTROL_IDU_TOTAL_ABSCAPA	VAR			true		
82AF	VAR_OUT_INSTALL_COND_SIZE	VAR			false		
82b5	VAR_OUT_??	VAR					
82b6	VAR_OUT_??	VAR					
82B8	VAR_OUT_SENSOR_MIDPRESS	VAR	medium pressure	kgfcm2	true	division by 100	
82BC	VAR_OUT_PROJECT_CODE	VAR	Project code		true		
82BD	VAR_OUT_LOAD_FLUX_VARIABLE_VALVE	VAR	Flow Control		true		
82BE	VAR_OUT_SENSOR_CONTROL_BOX	VAR	Contor Box Temp	Celsius	true	division by 10	
82BF	VAR_OUT_SENSOR_CONDOUT2	VAR	Sub heat exchanger outlet temperature	Celsius	true	division by 10	
82C8	VAR_OUT_SENSOR_ACCUM_TEMP	VAR	Accumulator outlet temperature	Celsius	true	division by 10	
82C9	VAR_OUT_SENSOR_ENGINE_WATER_TEMP	VAR	Engine water temperature	Celsius	true	division by 10	
82CA	VAR_OUT_OIL_BYPASS_VALVE	VAR	Oil Bypass Valve		false		
82CB	VAR_OUT_SUCTION_OVER_HEAT	VAR	Suction superheat		false		
82CC	VAR_OUT_SUB_COND_OVER_HEAT	VAR	Sub heat exchanger outlet superheat		false		
82CD	VAR_OUT_OVER_COOL	VAR	Outdoor unit supercooling		false		
82CE	VAR_OUT_COND_OVER_COOL	VAR	Outdoor heat exchanger subcooling degree		false		
82CF	VAR_OUT_ENGINE_RPM	VAR	Engine RPM		false		
82D0	VAR_OUT_APPEARANCE_RPM	VAR	Appearance RPM		false		
82D2	VAR_OUT_SUB_COND_EEV_STEP	VAR	Sub EEV		false		
82d4	VAR_OUT_??	VAR					
82d9	VAR_OUT_??	VAR					
82da	VAR_OUT_??	VAR					
82DB	VAR_OUT_PHASE_CURRENT	VAR	Phase current value		false		
82dc	VAR_OUT_??	VAR					
82dd	VAR_OUT_??	VAR					
82DE	VAR_OUT_SENSOR_EVAIN	VAR	Eva In for EHS	Celsius	true	division by 10	
82DF	VAR_OUT_SENSOR_TW1	VAR	Water In 1 for EHS	Celsius	true	division by 10	
82E0	VAR_OUT_SENSOR_TW2	VAR	Water In 2 for EHS	Celsius	true	division by 10	
82e1	VAR_OUT_??	VAR					
82E3	VAR_OUT_PRODUCT_OPTION_CAPA	VAR	Outdoor unit product option capacity (based on 0.1Kw) for EHS	kW	false	division by 10.0	
82E7	VAR_OUT_SENSOR_TOTAL_SUCTION	VAR	Total Suction Sensor	Celsius	true	division by 10	
82E8	VAR_OUT_LOAD_MCU_HR_BYPASS_EEV	VAR	MCU HR Bypass EEV opening diagram		false		
82E9	VAR_OUT_SENSOR_PFCM1	VAR	PFCM#1 element temperature	Celsius	true	division by 10	
82ed	VAR_OUT_??	VAR					
82F5	VAR_OUT_HIGH_OVERLOAD_DETECT	VAR	PFCM#1 element temperature		false		
82F9	VAR_OUT_SENSOR_SUCTION3_1SEC	VAR	Suction3 temperature	Celsius	true	division by 10	
82FC	VAR_OUT_LOAD_EVI_SOL_EEV	VAR	EVI SOL EEV		true		
8405	LVAR_OUT_LOAD_COMP1_RUNNING_TIME	LVAR	OutdoorTableCompressorRunningTime		false		
8406	LVAR_OUT_??	LVAR					
8408	LVAR_OUT_??	LVAR					
840B	LVAR_OUT_AUTO_INSPECT_RESULT0	LVAR			false		
840C	LVAR_OUT_AUTO_INSPECT_RESULT1	LVAR			false		
840f	LVAR_OUT_??	LVAR					
8410	LVAR_OUT_??	LVAR					
8411	LVAR_OUT_??	LVAR					
8413	LVAR_OUT_CONTROL_WATTMETER_1W_1MIN_SUM	LVAR		kW	false	division by 1000	
8414	LVAR_OUT_8414	LVAR					
8417	LVAR_OUT_??	LVAR					
841f	LVAR_OUT_??	LVAR					
8601	STR_OUT_INSTALL_INVERTER_AND_BOOTLOADER_INFO	STR					
860A	STR_OUT_BASE_OPTION	STR					
860C	STR_OUT_??	STR					
860D	STR_OUT_INSTALL_MODEL_INFO	STR					
860F	STR_OUT_INSTALL_OUTDOOR_SETUP_INFO	STR					
8613	STR_OUT_REF_CHECK_INFO	STR					