

Note Some registers are only available in AHU SW3.0 - and some only available 2.0 -
(See AHU SW version in register 3X6001)

R / W Register Name		Min	Max	Unit	Description	Note
4x Holding Registers CONTROLS						
4x5001	RW	Fan speed Mode	1	3		1 = Away, 2 = Home, 3 = Boost Always write Boost time (Reg 4x5102) prior to Boost mode selection (3) If 1 or 2 is selected RH,AQ functions and Travelling mode are disabled
4x5002	W	Fireplace Function control	0	1		0 = Fireplace mode Disabled (SW 2.1->), 1 = Fireplace mode Enabled
4x5003	W	Fireplace function OFF control (SW 2.0)	0	1		1 = End Fireplace Mode Available only in SW 2.0
4x5004	RW	Travelling mode control	0	1		0 = Travelling mode Disabled, 1 = Travelling mode Enabled All Smart functions are disabled
4x5005	RW	Cooker Hood function control	0	1		0 = Hood mode Disabled, 1 = Hood mode Enabled Note for Coocker hood compability write 1 to 4x5203
4x5006	RW	Central Vacuum Cleaner function control	0	1		0 = CVC mode Disabled, 1 = CVC mode Enabled
4x5007	W	Shut Down control	0	1		1 = Shuts down the unit Register is cleared when command is processed. See unit status in register 3x6301.
4x5008	W	Start Up control	0	1		1 = Start the unit by resetting the control system Register is cleared when command is processed. See unit status in register 3x6301
4x5009	RW	Auto Home/Away/Boost control	0	1		0 = Auto Home/Away/Boost control disabled, 1 = Auto Home/Away/Boost control enabled Available only in units with CO2 sensor
4x5010	RW	Auto RH control	0	1		0 = Auto RH control disabled, 1 =Auto RH control enabled Available only in units with RH sensor
4x5011	RW	Auto Air Quality control	0	1		0 = Auto Air Quality control mode disabled, 1 = Auto Air Quality control mode enabled Available only in units with VOC sensor
4x5012	RW	Temperature boost control	0	1		0 = Temperature boost control mode disabled, 1 = Temperature boost control mode enabled Available only if Room temperature control selected.
4x5013	RW	Summer Cooling boost	0	1		0 = No Change, 1 = Cooling speed Available only SW 2.0 - Available only when Summer Cooling conditions are active and manual heat exchanger bypass plate is open.
4x5014	RW	Re-heating Enable	0	1		0 = Re-heating disabled, 1 = Re-heating enabled Available only in units with controlled re-heater
4x5015	RW	External Cooling control	0	1		0 = External Cooling disabled, 1 = External Cooling enabled Available only in units with External Cooling device
4x5016	RW	External Heating control	0	1		0 = External heating disabled, 1 = External heating enabled Available only in units with External Heating device
4x5017	RW	External Pre Heating/Cooling enable	0	1		0 = External Preheating/cooling disabled, 1 = External Preheating/cooling enabled Available only in units with External preheater/cooling device
4x5018	RW	Emergency Stop	0	2		0 = Emergency stop disabled, 1 = Emergency stop enabled, 2 = Emergency Overpressurizing enabled If Emergency overpressurizing is used Water radiator Freezing protection is disabled! Emergency Overpressurizing should never be used to room where the fire is detected.
4x5019	RW	Stepless Control (A+) from Home level	-100	100	%	Ventilation level is increased or degreased of Home ventilation level. Available only in SW3.0 - CO2 sensor overrides this function
4x5020	RW	Cooker Hood Function	0	1		Cooker Hood Function Activation Available only in SW3.0 -
4x5021	RW	GIO1 Relay output	0	1		0 = External Relay Open,1 = External Relay Closed Available only in SW3.0 -
4x5022	RW	GIO2 Relay output	0	1		0 = External Relay Open,1 = External Relay Closed Available only in SW3.0 -
4x5023	RW	GIO3 Relay output	0	1		0 = External Relay Open,1 = External Relay Closed Available only in SW3.0 -
4x5024	RW	GIO4 Relay output	0	1		0 = External Relay Open,1 = External Relay Closed Available only in SW3.0 -
4x5025	RW	GIO5 Relay output	0	1		0 = External Relay Open,1 = External Relay Closed Available only in SW3.0 -
4x5026	RW	SET Relay 1 output	0	1		0 = External Relay Open,1 = External Relay Closed Available only in SW3.0 -
4x5027	RW	SET Relay 2 output	0	1		0 = External Relay Open,1 = External Relay Closed Available only in SW3.0 -

R / W	Register Name	Min	Max	Unit	Description	Note
4x Holding Registers SETTINGS						
4x5101	RW Temperature setpoint	16	23	°C	Supply/Room temperature controller setpoint	Available only in units equipped with Re-heater or external Heating /Cooling device.
4x5102	RW Boost timer	0	3		0 = Disabled, 1 = 30 min, 2 = 60 min, 3 = 120 min	Pre-selection to Boost mode timer. Boost time is selected when Boost mode is activated with Register 4x5001. Not available in SW3.0 -
4x5103	RW External Auto Home/Away/Boost control	-100	100	%	External A+function Increase or decrease Ventilation speed within the Away / Boost limits. The function can be used for stepless Ventilation control.	Register 4x5009 (Auto Home/Away/Boost control) must be enabled when external control is used. When value is 0 the A+ function is disabled. Ventilation value is calculated from always from Home level. Not available in SW3.0 -
4x5104	RW Fireplace function run time	0	60	min		
4x5105	RW Fireplace function Overpressure value	0	25	%		
4x5106	RW Travelling mode speed drop	0	20	%		
4x5107	RW Travelling mode temperature drop	0	10	°C		
4x5108	RW Cooker Hood Run time	0	60	min		RunTime is used only if function is activated manually from User Panel. Not available in SW3.0 -
4x5109	RW Cooker Hood Home state compensation	0	50	%		
4x5110	RW Cooker Hood Boost state compensation correction	0	50	%		
4x5111	RW Cooker Hood Allow exhaust fan slow down	0	1		0 = Compensation only increase Supply fan speed 1 = Compensation Decrease Exhaust fan speed and if needed Increase supply fan speed	Enable function if external cooker hood fan is used. Disable function if cooker hood is connected to unit cooker hood inlet.
4x5112	RW Central Vacuum Cleaner run time	0	60	min		RunTime is used only if function is activated manually from User Panel.
4x5113	RW Central Vacuum Cleaner compensation	0	50	%		
4x5114	RW Auto Home/Away/Boost Home Limit	0	2000	ppm	CO2 level when unit is working in home speed.	Available only in units with CO2 sensor
4x5115	RW Auto Home/Away/Boost Away Limit	0	2000	ppm	CO2 level when unit is working in away speed.	Available only in units with CO2 sensor
4x5116	RW Auto Home/Away/Boost Filter time	0	60	min	Filter to A+ function.	Available only in units with CO2 sensor
4x5117	RW Auto RH control Boost Limit	0	50	%		Available only in units with RH sensor
4x5118	RW Auto RH control Full Boost Limit	0	50	%		Available only in units with RH sensor
4x5119	RW Auto RH control Sauna state	0	1		0 = Sauna function Disabled, 1 = Sauna function Enabled	Available only in units with RH sensor
4x5120	RW Auto RH control Sauna state fixed speed	0	50	%		Available only in units with RH sensor
4x5121	RW Auto Air Quality control Boost Limit	0	2000	ppm		Available only in units with VOC sensor
4x5122	RW Auto Air Quality control Full Boost Limit	0	2000	ppm		Available only in units with VOC sensor
4x5123	RW Auto Air Quality control Filter time	0	60	min		Available only in units with VOC sensor
4x5124	RW Temperature boost control heating gain	0	100	%		Available only if Room temperature control selected.
4x5125	RW Temperature boost control cooling gain	0	100	%		Available only if Room temperature control selected.
4x5126	RW Summer Cooling Fresh air limit	0	50	°C		Available only in SW2.0 -
4x5127	RW Summer Cooling Room temp limit	0	50	°C		Available only in SW2.0 -
4x5128	RW Summer Cooling boost speed	0	100	%		Available only in SW2.0 -
4x5129	RW Heating Fresh air limit	-50	50	°C	Heating allowed limit	Available only in units with controlled re-heater
4x5130	RW Temperature Controller type	0	1		0 = Supply Temperature controller, 1 = Room Temperature control	Available only in units with controlled re-heater
4x5131	RW Room Temperature Sensor	3	10		3 = T3 Sensor (Extract air temperature), 8 = T8 Sensor (External room temperature sensor), 9 = User Panel 1 temperature, 10 = User Panel 2 temperature	Available only in SW2.0 -
4x5132	RW Room Temperature Fine Tuning	-50	50	0.1°C	Room Temperature Fine tuning	
4x5133	RW Heating Supply min limit	10	50	°C		Available only if Room temperature control selected.
4x5134	RW Heating Supply max limit	10	50	°C		Available only if Room temperature control selected.
4x5135	RW Cooling Fresh air limit	0	50	°C		Available only in units with External Cooling device
4x5136	RW Cooling Supply min limit	10	50	°C		Available only in units with External Cooling device
4x5137	RW Cooling Supply max limit	10	50	°C		Available only in units with External Cooling device
4x5138	RW External Pre Heating Fresh air limit	-50	50	°C		Available only in units with External preheater/cooling device
4x5139	RW External Pre Cooling Fresh air limit	-50	50	°C		Available only in units with External preheater/cooling device
4x5140	RW External Fresh air temperature sensor	0	8		0 = Disabled 8 = T8 Sensor	Available only in units with External preheater/cooling device When External Pre Heating/Cooling is selected T8 is selected as External Fresh air sensor.
4x5141	RW Service Reminder	0	1		0 = Disabled, 1 = Enabled	
4x5142	RW Service Reminder interval	0	12	months		
4x5143	RW Filter Guard Delay	0	120	mins		Available only in units with Filter guard
4x5144	RW Switch input 1 function	0	5		0 = NA, 1 = Boost, 2 = Hood, 3 = CVC, 4 = Away, 5 = Fireplace	Available only in SW2.0 -
4x5145	RW Switch input 2 function	0	5		0 = NA, 1 = Boost, 2 = Hood, 3 = CVC, 4 = Away, 5 = Fireplace	Available only in SW2.0 -
4x5146	RW Switch input 3 function	0	5		0 = NA, 1 = Boost, 2 = Hood, 3 = CVC, 4 = Away, 5 = Fireplace	Available only in SW2.0 -
4x5147	RW DDC Enable	0	1		0 = Disabled, 1 = Enabled	Available only in SW2.0 -
4x5148	RW DDC Fan Control	0	1		0 = Disabled, 1 = Enabled	Available only in SW2.0 -
4x5149	RW DDC Temperature Control	0	1		0 = Disabled, 1 = Enabled	Available only in SW2.0 -
4x5150	RW DDC Emergency Stop input	0	1		0 = Disabled, 1 = Enabled	Available only in SW2.0 -
4x5151	RW Cooker Hood Boost	0	100	%	Cooker Hood Boost function	Available only in SW3.0 -
4x5152	RW Room Temperature Sensor	0	6		0=Internal, 1=T6, 2=T7, 3=T8, 4=T9, 5=UP1, 6=UP2	Available only in SW3.0 -
4x5153	RW Supply Temperature Sensor	0	4		0=Internal, 1=T6, 2=T7, 3=T8, 4=T9	Available only in SW3.0 -
4x5154	RW Outside Temperature Sensor	0	4		0=Internal, 1=T6, 2=T7, 3=T8, 4=T9	Available only in SW3.0 -
4x5155	RW Supply Temperature Fine Tuning	-50	50	0.1°C	Supply temperature fine tuning	Available only in SW3.0 -
4x5156	RW Water Temperature Sensor	0	4		0=Internal, 1=T6, 2=T7, 3=T8, 4=T9	Available only in SW3.0 -, If sensor selected, Freezing prevention function is activated.

R / W	Register Name	Min	Max	Unit	Description	Note
4x5157	RW GIO 1 function	0	255		0=NA, 1=DI_Emergency Stop NC, 2=DI_Emergency Stop NO, 3= DI_Stop, 4=DI_Fireplace, 5=DI_Cooker Hood, 6=DI_Central Vacuum Cleaner, 7=DI_Boost(force), 8=DI_Away, 9=DI_Boost, 10=DI_Modbus, 11=DI outputcontrol, 64=AI DDC state control, 65=AI_Stepless Control, 66=AI_Modbus, 67=AI_Pa (supply) 68=AI_Pa(exhaust), 69=AI_Airflow(supply), 70=AI_Airflow(exhaust), 71=AI_RH, 72=AI_CO2, 73=AI_VOC 128=DO_Alarm, 129=DO_Duct Plate, 130=DO_Away state, 131=DO Boost state, 132=DO_Modbus, 133=DO_DI control, 134_DO_ALWAYS ON	Available only in SW3.0 -
4x5158	RW GIO 2 function	0	255			Available only in SW3.0 -
4x5159	RW GIO 3 function	0	255			Available only in SW3.0 -
4x5160	RW GIO 4 function	0	255			Available only in SW3.0 -
4x5161	RW GIO 5 function	0	255			Available only in SW3.0 -
4x5162	RW SET Relay 1 function	0	0		0=NA, 1=Heating, 2=Cooling, 3=Ground Liquid pump, 4=Duct Plate, 5=Floor Heating, 6=Alarm, 7=Away, 8=Boost	Available only in SW3.0 -
4x5163	RW SET Relay 2 function	0	0			Available only in SW3.0 -
4x5164	RW Summer Cooling function Mode	0	5		SC Mode 0=OFF,1=Low,2=Normal,3=High,4=Max,5=Custom	Available only in SW3.0 -
4x5165	RW Summer Cooling outside temperature limit	0	25	°C		Available only in SW3.0 - and if Summer Cooling function mode = Custom
4x5166	RW Summer Cooling outside temperature start limit	0	25	°C		Available only in SW3.0 - and if Summer Cooling function mode = Custom
4x5167	RW Summer Cooling Room temperature limit	0	35	°C	If Room temperature limit > 0, Summer Cooling is activated by Room temperature, else function is activated based on outside temperature and room temperature change.	Available only in SW3.0 - and if Summer Cooling function mode = Custom
4x5168	RW Summer Cooling Minimum Supply temperature limit	10	25	°C		Available only in SW3.0 - and if Summer Cooling function mode = Custom
4x5169	RW Summer Cooling ventilation boost Mode	0	5		SC ventilation boost Mode 0=OFF,1=Low,2=Normal,3=High,4=Max,5=Custom	Available only in SW3.0 -
4x5170	RW Summer Cooling ventilation boost Room temperature	0	35	°C	Ventilation is boosted when room temperature is higher the limit.	Available only in SW3.0 - and if Summer Cooling ventilation boost mode = Custom
4x Holding Registers User Panel Smart Function Visibility						
4x5201	RW Smart function visibility Fireplace	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
4x5202	RW Smart function visibility Travelling	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
4x5203	RW Smart function visibility Hood	0	1		0 = Disabled, 1 = Enabled	Enable for CASA cooker hood compability
4x5204	RW Smart function visibility Cental Vacuum	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
4x5205	RW Smart function visibility Summer Cooling boost	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
4x5206	RW Smart function visibility Heating boost	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
4x5207	RW Smart function visibility Shutdown	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
4x5208	RW Smart function visibility Smart boost	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel Smart boost are only visible if sensor is detected
4x Holding Registers Fan Speed Settings						
4x5301	RW Fan speed Commissioning mode	0	1		0 = Commissioning mode Disabled 1 = Commissioning mode Enabled	When commissioning mode is enabled, functions which interfere fan speed adjustment are disabled.
4x5302	RW Away mode Supply fan speed	0	100	%	fan speed	Don't use this register for external fan control.
4x5303	RW Away mode Exhaust fan speed	0	100	%	fan speed	Don't use this register for external fan control.
4x5304	RW Home mode Supply fan speed	0	100	%	fan speed	Don't use this register for external fan control.
4x5305	RW Home mode Exhaust fan speed	0	100	%	fan speed	Don't use this register for external fan control.
4x5306	RW Boost mode Supply fan speed	0	100	%	fan speed	Don't use this register for external fan control.
4x5307	RW Boost mode Exhaust fan speed	0	100	%	fan speed	Don't use this register for external fan control.
4x5308	RW Smart mode max Supply fan speed	0	100	%	fan speed	If 100% is selected, maximum Smart mode speed is Boost
4x5309	RW Smart mode max Exhaust fan speed	0	100	%	fan speed	If 100% is selected, maximum Smart mode speed is Boost, Not available in SW 3.0
4x5310	RW Fan speed transition delay	0	100	%/8s	Transition delay	
4x Holding Registers ALARM CONFIRMATION						
4x5401	W Re-heater failure alarm confirm	0	1		1 Confirm Alarm, Register is cleared when command is processed.	
4x5402	W Preheater failure alarm confirm	0	1		1 Confirm Alarm, Register is cleared when command is processed.	
4x5403	W Water radiator Freezing danger alarm confirm	0	1		1 Confirm Alarm, Register is cleared when command is processed.	
4x5404	W Filter Guard info confirm	0	1		1 Confirm Alarm, Register is cleared when command is processed.	
4x5405	W Service Timer info confirm	0	1		1 Confirm Alarm, Register is cleared when command is processed.	
4x5406	W Confirm All	0	1		1 Confirm Alarm, Register is cleared when command is processed.	
4x5407	W Fan failure alarm confirm	0	1		1 Confirm Alarm, Register is cleared when command is processed.	
4x5408	W Sensor failure confirm	0	1		1 Confirm Alarm, Register is cleared when command is processed.	

R / W	Register Name	Min	Max	Unit	Description	Note
3x Input Registers UNIT INFORMATION						
3x6001	R Device Firmware version major	0	99			
3x6002	R Device Firmware version minor	0	99			
3x6003	R Device Firmware build	0	999			
3x6004	R Parameter version major	0	99			
3x6005	R Parameter version minor	0	99			
3x6006	R Modbus Gateway Software version major	0	99			
3x6007	R Modbus Gateway Software version minor	0	99			
3x6008	R Model name[0:14]			ASCII	Model name ASCII code 3x16008 - 3x16024	
3x6024	R Unit Serial Number[0:23]			ASCII	Unit serial number ASCII code.	Available only in SW3.0 -
3x Input Registers Alarms						
3x6101	R T1 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6102	R T2 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6103	R T3 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6104	R T4 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6105	R T5 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6106	R T6 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6107	R T7 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6108	R T8 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3x6109	R T1 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6110	R T2 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6111	R T3 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6112	R T4 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6113	R T5 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6114	R T6 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6115	R T7 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6116	R T8 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3x6117	R Afterheater failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 0
3x6118	R Unconfirmed Afterheater failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 0
3x6119	R Preheater failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 1
3x6120	R Unconfirmed Preheater failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 1
3x6121	R Freezing danger	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 3
3x6122	R Unconfirmed Freezing danger	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 3
3x6123	R Internal Error	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 10
3x6124	R Unconfirmed Internal Error	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 10
3x6125	R Supply Fan Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 4
3x6126	R Unconfirmed Supply Fan Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 4
3x6127	R Exhaust Fan Failure	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 5
3x6128	R Unconfirmed Exhaust Fan Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x617 Bit 5
3x6129	R Service Info	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6136 Bit 9
3x6130	R Filter guard info	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 9
3x6131	R Emergency Stop	0	1		0 = No Alarms, 1 = Active Alarm	3x6136 Bit 7
3x6132	R Active Alarms	0	1		0 = No Alarms, 1 = Active Alarm	
3x6133	R Unconfirmed Info	0	1		0 = No info, 1 = Active Info	
3x6134	R T9 Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Active Alarm	Available in SW3.0 -
3x6135	R T9 Unconfirmed Temperature Sensor Failure	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	Available in SW3.0 - Alarm is automatically confirmed
3x6136	R Active Alarms Bitwise	0	16bit		See bitwise description above. 0= No Alarm, 1= Active alarm	Available in SW3.0 -
3x6137	R Unconfirmed Info Bitwise	0	16bit		See bitwise description above. 0= No Unconfirmed info, 1= Unconfirmed Info alarm	Available in SW3.0 -
3x6138	R Supply temperature low alarm	0	1		0 = No Alarms, 1 = Active Alarm	Available in SW3.0 - 3x6136 Bit 11
3x6139	R Unconfirmed Supply temperature low alarm	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	Available in SW3.0 - 3x6137 Bit 11
3x6140	R Supply temperature high alarm	0	1		0 = No Alarms, 1 = Active Alarm	Available in SW3.0 - 3x6136 Bit 12
3x6141	R Unconfirmed Supply temperature high alarm	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	Available in SW3.0 - 3x6137 Bit 12
3x6142	R Preheater temperature high alarm	0	1		0 = No Alarms, 1 = Active Alarm	Available in SW3.0 - 3x6136 Bit 13 and Bit 6
3x6143	R Unconfirmed Preheater temperature high alarm	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	Available in SW3.0 - 3x6137 Bit 13 and Bit 6
3x6144	R Nordic Preheater alarm	0	1		0 = No Alarms, 1 = Active Alarm	Available in SW3.0 - 3x6136 Bit 14
3x6145	R Unconfirmed Nordic Preheater alarm	0	1		0 = No Alarms, 1 = Unconfirmed Info Alarm	Available in SW3.0 - 3x6137 Bit 14

R / W	Register Name	Min	Max	Unit	Description	Note
3x Input Registers Measurements						
3x6201	R Fresh air temperature	-550	600	0.1°C		
3x6202	R Supply air before re-heater temperature	-550	600	0.1°C		
3x6203	R Supply air temperature	-550	600	0.1°C		
3x6204	R Extract air temperature	-550	600	0.1°C		
3x6205	R Exhaust (waste) air temperature	-550	600	0.1°C		
3x6206	R Room air temperature	-550	600	0.1°C		
3x6207	R User Panel 1 temperature	-550	600	0.1°C		
3x6208	R User Panel 2 temperature	-550	600	0.1°C		
3x6209	R Water Radiator temperature	-550	600	0.1°C		Available only in units with water radiator
3x6210	R Pre-heater temperature	-550	600	0.1°C		Available only in units with Preheater
3x6211	R External Fresh air temperature	-550	600	0.1°C		Only If External PreHeater/Cooling selected
3x6212	R CO2 Unfiltered	0	2000	ppm		Available only in units with CO2 sensor
3x6213	R CO2 Filtered	0	2000	ppm		Available only in units with CO2 sensor
3x6214	R RH (%)	0	100	%		Available only in units with RH sensor
3x6215	R AH (g/m3)	0	5000	0.1g/m3		Available only in units with RH sensor
3x6216	R AH SetPoint (g/m3)	0	5000	0.1g/m3		Available only in units with RH sensor
3x6217	R VOC	0	2000	ppm		Available only in units with VOC sensor
3x6218	R Supply Duct Pressure	0	500	Pa		Available in SW3.0 -
3x6219	R Exhaust Duct Pressure	0	500	Pa		Available in SW3.0 -
3x6220	R Supply Air Flow	0	500	l/s		Available in SW3.0 -
3x6221	R Exhaust Air Flow	0	500	l/s		Available in SW3.0 -
3x Input Registers Unit status						
3x6301	R Unit state	0	4		0 = External Stop, 1 = User Stopped, 2 = Starting, 3 = Normal, 4 = Commissioning	
3x6302	R Ventilation Speed state	0	4		0 = Stopped, 1= Away, 2 = Home, 3 = Boost, 4 = Cooling	
3x6303	R Supply Fan Control	0	100	%		
3x6304	R Exhaust Fan Control	0	100	%		
3x6305	R Supply Fan RPM	0	500	10xRPM		
3x6306	R Exhaust Fan RPM	0	500	10xRPM		
3x6307	R Travelling Function Active	0	1		0 = Function Not Active, 1 = Function Active	
3x6308	R Boost / Fireplace Time left	0	120	min	Timed Function remaining time	
3x6309	R Week Timer Active	0	1		0 = Function Not Active, 1 = Function Active	
3x6310	R A+ Control	-100	100	%		Available only in units with CO2 sensor
3x6311	R Auto RH Control	0	100	%		Available only in units with RH sensor
3x6312	R Auto Air Quality Control	0	100	%		Available only in units with VOC sensor
3x6313	R Auto Temperature Boost Control	0	100	%		Available only if Room temperature control selected.
3x6314	R Fan Speed limit Control	-100	0	%		
3x6315	R Smart Control	-100	100	%		
3x6316	R Temperature Setpoint	13	25	°C		Available only in units with controlled re-heater
3x6317	R Supply Control Power output	0	100	%	Heating or Cooling Output control	Available only in units with controlled re-heater / cooling
3x6318	R Supply Controller P term	0	100	%		Available only in units with controlled re-heater
3x6319	R Supply Controller I term	0	100	%		Available only in units with controlled re-heater
3x6320	R Room Controller Supply Setpoint	0	50	°C		Available only if Room temperature control selected.
3x6321	R Room Controller P term	0	100	%		Available only if Room temperature control selected.
3x6322	R Room Controller I term	0	100	%		Available only if Room temperature control selected.
3x6323	R Cooling Control Active	0	1		0 = Function Not Active, 1 = Function Active	See reg 3x16317 for Cooling power

	R / W	Register Name	Min	Max	Unit	Description	Note
3x Input Registers Unit status							
3x6324	R	DDC Unit state Control	1	5		0 = DDC Stopped, 1 = Away/Travelling, 2 = Home, 3 = Boost , 5 = DDC control not in use	
3x6326	R	DDC Temperature Control Active	0	1		0 = Function Not Active, 1 = Function Active	Available only in pre SW3.0 -
3x6327	R	DDC Fan Speed Control Active	0	1		0 = Function Not Active, 1 = Function Active	Available only in pre SW3.0 -
3x6328	R	Defrost Active	0	4		0 = Function Not Active, 1 - 4 = Defrost Function Active	
3x6329	R	Defrost Supply Forcing	0	1		0 = Function Not Active, 1 = Function Active	
3x6330	R	Defrost Exhaust Forcing	0	1		0 = Function Not Active, 1 = Function Active	
3x6331	R	Defrost IR sensor blocked	0	1		0 = Function Not Active, 1 = Function Active	Available only in units with IR sensor
3x6332	R	Rotor Active	0	1		0 = Function Not Active, 1 = Function Active	Available only in R-Series Units
3x6333	R	Preheater Active	0	1		0 = Function Not Active, 1 = Function Active	Available only in units with Preheater
3x6334	R	Summer Cooling Active	0	1		0 = Function Not Active, 1 = Function Active	
3x6335	R	Fireplace function Active	0	1		0 = Function Not Active, 1 = Function Active	
3x6336	R	Central Vacuum Cleaner function active	0	1		0 = Function Not Active, 1 = Function Active	
3x6337	R	Hood Compensation Active	0	1		0 = Function Not Active, 1 = Function Active	
3x6338	R	External Boost Control Active	0	1		0 = Function Not Active, 1 = Function Active	
3x6339	R	External Away Control Active	0	1		0 = Function Not Active, 1 = Function Active	
3x6340	R	Manual Heat Exchanger bypass plate Position	0	1		0 = Heat Exchanger bypass plate Closed(Winter) 1 = Heat Exchanger bypasses plate Open (Summer)	Available only in units with Manual Heat Exchanger
3x6341	R	Automatic Heat Exchanger bypass plate Position	0	1		0 = Heat Exchanger bypass plate Closed(Winter)1 = Heat Exchanger bypasses plate Open (Summer)	Available only in units with Automatic Heat Exchanger
3x6342	R	Filter Guard Input status	0	1		0 = Filter Guard input Not Active 1 = Filter Guard input Active	
3x6343	R	Hours to next Service	0	10000	Hours		Available if Service Reminder enabled (see 4x5142 for Service Interval)
3x6344	R	Preheater Output Power	0	100	%		Available in SW3.0 -
3x6345	R	Nordic Preheater Power	0	100	%		Available in SW3.0 -
3x6346	R	Defrost Supply limit	0	100	%		Available in SW3.0 -
3x6347	R	Defrost exhaust forcing	0	100	%		Available in SW3.0 -
3x6348	R	Bypass plate position	0	100	s	0=Closed, > 0 Open time	Available in SW3.0 -
3x6349	R	GIO 1 DI status	0	1		0 = Open, 1 = Closed	Available in SW3.0 -
3x6350	R	GIO 2 DI status	0	1		0 = Open, 1 = Closed	Available in SW3.0 -
3x6351	R	GIO 3 DI status	0	1		0 = Open, 1 = Closed	Available in SW3.0 -
3x6352	R	GIO 4 DI status	0	1		0 = Open, 1 = Closed	Available in SW3.0 -
3x6353	R	GIO 5 DI status	0	1		0 = Open, 1 = Closed	Available in SW3.0 -
3x6354	R	GIO 1 AI value	0	10000	mV		Available in SW3.0 -
3x6355	R	GIO 2 AI value	0	10000	mV		Available in SW3.0 -
3x6356	R	GIO 3 AI value	0	10000	mV		Available in SW3.0 -
3x6357	R	GIO 4 AI value	0	10000	mV		Available in SW3.0 -
3x6358	R	GIO 5 AI value	0	10000	mV		Available in SW3.0 -