

SW	R / W	Register Name	Min	Max	Unit	Description	Note
<b>USER SETTINGS</b>							
3.0->	4x5001	RW Operating Mode	0	4		0= Stopped, 1 = Away, 2 = Home, 3 = Boost, 4 = Travelling	
3.0->	4x5019	RW Smart Control	-100	100	%	Smart control Increase or decrease Ventilation level steplessly based on Home level.	When value is 0 the Smart function is disabled.
3.0->	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.
3.0->	4x5207	RW Shutdown visibility in Smart functions	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
3.0->	4x5004	RW Travelling mode	0	1		0 = Travelling mode Disabled, 1 = Travelling mode Enabled	All Smart functions are disabled
3.0->	4x5106	RW Travelling mode speed drop	0	20	%		
3.0->	4x5202	RW Travelling visibility in Smart functions	0	1		0 = Disabled, 1 = Enabled	User Panel visibility
3.0->	4x5002	W Fireplace function Activation	0	1		1 = Activate Fireplace function with timer, 0 = Stop Fireplace function	Firelace function timer setting
3.0->	4x5104	RW Fireplace function Run time	0	60	min		
3.0->	4x5105	RW Fireplace function Max fan speed difference	0	25	%		
3.0->	4x5201	RW Fireplace function visibility in Smart functions	0	1		0 = Disabled, 1 = Enabled	User Panel visibility
3.0->	4x5005	RW Cooker Hood Damper Control	0	1		0 = Cooker hood damper closed, 1 = Cooker hood damper open	Open cooker hood damper and activates cooker hood function.
3.0->	4x5020	RW Cooker Hood function	0	1		0 = Cooker hood function Disabled, 1 = Cooker hood function Enabled	Cooker Hood function is activated when Casa cooker hood damper is opened
3.0->	4x5109	RW Cooker Hood Home state compensation	0	50	%		
3.0->	4x5110	RW Cooker Hood Boost state compensation correction	0	50	%		
3.0->	4x5151	RW Cooker Hood Boost	0	100	%	Cooker Hood function minimum fan speed level	
3.0->	4x5111	RW Cooker Hood Roof Fan Compensation	0	1		0 = Cooker hood connected to unit extract duct 1 = Roof fan compensation	
3.0->	4x5006	RW Central Vacuum Cleaner function	0	1		0 = CVC mode Disabled, 1 = CVC mode Enabled	
3.0->	4x5112	RW Central Vacuum Cleaner run time	0	60	min		RunTime is used only if function is activated manually from User Panel.
3.0->	4x5113	RW Central Vacuum Cleaner compensation	0	50	%		
3.0->	4x5204	RW Cental Vacuum function visibility in Smart functions	0	1		0 = Disabled, 1 = Enabled	User Panel visibility
3.0->	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
3.0->	4x5114	RW Auto Home/Away/Boost Home Limit	0	2000	ppm	CO2 level when unit is working in home speed.	
3.0->	4x5115	RW Auto Home/Away/Boost Away Limit	0	2000	ppm	CO2 level when unit is working in away speed.	
3.1->	4x5010	RW Auto Humidity control	0	5		0=Off, 1=User, 2=Low, 3=Normal, 4=High, 5=Full	Available only in units with RH sensor (SW 3.1 ->)
3.0	4x5010	RW Auto Humidity control	0	1		0 = Disabled, 1 = Enabled	Available only in units with RH sensor (SW 3.0)
3.0->	4x5117	RW Auto RH control Boost Limit	0	50	%	Active if SW3.0 or User control selected	
3.0->	4x5118	RW Auto RH control Full Boost Limit	0	50	%	Active if SW3.0 or User control selected	
3.1->	4x5119	RW Auto RH control Boost delay	0	30	min	Boost is delayed defined time	(SW 3.1 ->)
3.1->	4x5120	RW Auto RH control Boost during delay	0	25	%	When boost delay is waited, fixed boost level can be defined.	(SW 3.1 ->)
3.0	4x5119	RW Auto RH control Sauna state	0	1		0 = Sauna function Disabled, 1 = Sauna function Enabled	(SW 3.0)
3.0	4x5120	RW Auto RH control Sauna state fixed speed	0	25	%	When boost delay is waited, fixed boost level can be defined.	(SW 3.0)
3.1->	4x5208	RW Smart function visibility Auto Humidity Control	0	1		0 = Disabled, 1 = Enabled	User Panel visibility (SW 3.1 ->)
3.0	4x5208	RW Smart automatic functions visibility	0	1		0 = Disabled, 1 = Enabled	User Panel visibility (SW 3.0)
3.1->	4x5011	RW Auto Air Quality control	0	5		0=Off, 1=User, 2=Low, 3=Normal, 4=High, 5=Full	Available only in units with VOC sensor (SW 3.1 ->)
3.0	4x5011	RW Auto Air Quality control	0	1		0 = Disabled, 1 = Enabled	Available only in units with VOC sensor (SW 3.0)
3.0->	4x5121	RW Auto Air Quality control Boost Limit	0	2000	ppm	Active if SW3.0 or User control selected	
3.0->	4x5122	RW Auto Air Quality control Full Boost Limit	0	2000	ppm	Active if SW3.0 or User control selected	
3.0->	4x5164	RW Summer Night Cooling control	0	5		0=Off, 1=Low, 2=Normal, 3=High, 4=Full, 5=User	
3.0->	4x5165	RW Summer Cooling Fresh air temperature limit	0	25	°C		
3.0->	4x5166	RW Summer Cooling Fresh air temperature start limit	0	25	°C	Defines fresh air temperature when function is activated	Active if User control selected
3.0->	4x5167	RW Summer Cooling Room temperature limit	0	35	°C	0 = Room temperature limit disabled, 18 - 28C = function is activated when room temperature is above limit.	Active if User control selected
3.0->	4x5168	RW Summer Cooling Minimum Supply temperature limit	10	25	°C	Supply temperature setpoint during the function.	Active if User control selected
3.0->	4x5177	RW Summer Cooling Open Cooker hood damper	0	1		Control Cooker hood damper open when Summer night cooling is active	
3.0->	4x5169	RW Summer Night Cooling Boost control	0	5		0=Off, 1=Low, 2=Normal, 3=High, 4=Full, 5=User	
3.0->	4x5170	RW Summer Night Cooling Boost limit (room temperature)	18	28	°C	Ventilation is boosted when room temperature is higher the limit.	Active if User control selected
3.1->	4x5125	RW Summer Night Cooling Full Boost limit (room temperature)	18	40	°C	Ventilation is boosted when room temperature is higher the limit.	Active if User control selected (SW 3.1 ->)
3.0->	4x5205	RW Summer Night Cooling visibility in Smart functions	0	1		0 = Disabled, 1 = Enabled	Available only in unit with User Panel
3.0->	4x5012	RW Heating boost control	0	1		0 = Disabled, 1 = Enabled	Available only if Room temperature control selected.
3.0->	4x5124	RW Heating boost gain	0	100	%	Defines the boost level when room temperature is below setpoint.	
3.0->	4x5206	RW Smart function visibility Heating boost	0	1		0 = Disabled, 1 = Enabled	User Panel visibility
3.0->	4x5101	RW Temperature setpoint	13	25	°C	Supply/Room temperature controller setpoint	Available only in units equipped with Re-heater or external Heating /Cooling device.
3.1->	4x5174	RW Heating Mode	1	2		Supply temperature control 1 = ECO, 2= Comfort	If values is 0 Comfort mode NOT AVAILABLE for this unit (SW 3.1 ->)

SW	R / W	Register Name	Min	Max	Unit	Description	Note
<b>Airflow adjustment</b>							
3.0->	4x5029	RW	Commissioning Mode	0	9	1=Travelling,2=Away,3=Home,4=Boost,5=MaxSmartBoost,6=HoodHome,7=HoodBoost,8=HoodHoodBoost,	Password protected, write first 1234 before selection.
3.0->	4x5302	RW	Away mode Supply fan speed	20	Home	% fan speed	Don't use this register for external fan control.
3.0->	4x5303	RW	Away mode Exhaust fan speed	20	Home	% fan speed	Don't use this register for external fan control.
3.0->	4x5304	RW	Home mode Supply fan speed	Away	Boost	% fan speed	Don't use this register for external fan control.
3.0->	4x5305	RW	Home mode Exhaust fan speed	Away	Boost	% fan speed	Don't use this register for external fan control.
3.0->	4x5306	RW	Boost mode Supply fan speed	Home	100	% fan speed	Don't use this register for external fan control.
3.0->	4x5307	RW	Boost mode Exhaust fan speed	Home	100	% fan speed	Don't use this register for external fan control.
3.0->	4x5308	RW	Max Smart boost limitation ( of Supply Boost)	0	100	% Boost limitation	If 0% is selected, maximum Smart mode speed is Boost
3.0->	4x5311	RW	Ventilation control mode	0	5	0=Normal,1=PA Supply control, 2=PA Extract control, 3=PA control 4= l/s control	If PA or l/s control is selected, commissioning must be done with User Panel
3.0->	4x5312	RW	Away mode Supply Pressure/Airflow	0	255	PA or l/s Ventilation Pressure/Airflow setpoint	Commissioning must be done with User Panel in Commissioning Mode
3.0->	4x5313	RW	Away mode Exhaust Pressure/Airflow	0	255	PA or l/s Ventilation Pressure/Airflow setpoint	Commissioning must be done with User Panel in Commissioning Mode
3.0->	4x5314	RW	Home mode Supply Pressure/Airflow	0	255	PA or l/s Ventilation Pressure/Airflow setpoint	Commissioning must be done with User Panel in Commissioning Mode
3.0->	4x5315	RW	Home mode Exhaust Pressure/Airflow	0	255	PA or l/s Ventilation Pressure/Airflow setpoint	Commissioning must be done with User Panel in Commissioning Mode
3.0->	4x5316	RW	Boost mode Supply Pressure/Airflow	0	255	PA or l/s Ventilation Pressure/Airflow setpoint	Commissioning must be done with User Panel in Commissioning Mode
3.0->	4x5317	RW	Boost mode Exhaust Pressure/Airflow	0	255	PA or l/s Ventilation Pressure/Airflow setpoint	Commissioning must be done with User Panel in Commissioning Mode
<b>GIO Modbus Control</b>							
3.0->	4x5021	RW	GIO1 Relay output	0	1	0 = External Relay Open,1 = External Relay Closed	Select IO1 Type Relay Output and Function Modbus (4x5157 = 132)
3.0->	4x5022	RW	GIO2 Relay output	0	1	0 = External Relay Open,1 = External Relay Closed	Select IO2 Type Relay Output and Function Modbus (4x5158 = 132)
3.0->	4x5023	RW	GIO3 Relay output	0	1	0 = External Relay Open,1 = External Relay Closed	Select IO3 Type Relay Output and Function Modbus (4x5159 = 132)
3.0->	4x5024	RW	GIO4 Relay output	0	1	0 = External Relay Open,1 = External Relay Closed	Select IO4 Type Relay Output and Function Modbus (4x5160 = 132)
3.0->	4x5025	RW	GIO5 Relay output	0	1	0 = External Relay Open,1 = External Relay Closed	Select IO5 Type Relay Output and Function Modbus (4x5161 = 132)
3.0->	3x6349	R	GIO 1 DI status	0	1	0 = Open, 1 = Closed	Select IO1 Type Switch Input and Modbus (4x5157 = 10)
3.0->	3x6350	R	GIO 2 DI status	0	1	0 = Open, 1 = Closed	Select IO2 Type Switch Input and Modbus (4x5158 = 10)
3.0->	3x6351	R	GIO 3 DI status	0	1	0 = Open, 1 = Closed	Select IO3 Type Switch Input and Modbus (4x5159 = 10)
3.0->	3x6352	R	GIO 4 DI status	0	1	0 = Open, 1 = Closed	Select IO4 Type Switch Input and Modbus (4x5160 = 10)
3.0->	3x6353	R	GIO 5 DI status	0	1	0 = Open, 1 = Closed	Select IO5 Type Switch Input and Modbus (4x5160 = 10)
3.0->	3x6354	R	GIO 1 AI value	0	10000	mV	Select IO1 Type Voltage in and Function Modbus (4x5157 = 66)
3.0->	3x6355	R	GIO 2 AI value	0	10000	mV	Select IO2 Type Voltage in and Function Modbus (4x5158 = 66)
3.0->	3x6356	R	GIO 3 AI value	0	10000	mV	Select IO3 Type Voltage in and Function Modbus (4x5159 = 66)
3.0->	3x6357	R	GIO 4 AI value	0	10000	mV	Select IO4 Type Voltage in and Function Modbus (4x5160 = 66)
3.0->	3x6358	R	GIO 5 AI value	0	10000	mV	Select IO5 Type Voltage in and Function Modbus (4x5161 = 66)
3.0->	4x5157	RW	GIO 1 function	0	255	Disabled = 0 DI: 1=Emergency Stop NC(SW3.0), 2=Emergency Stop NO (SW3.0)	
3.0->	4x5158	RW	GIO 2 function	0	255	2=Emergency Stop(SW3.1->), 3= Stop, 4=Fireplace, 5=Cooker Hood, 6=Central Vacuum Cleaner, 7=Boost(force), 8=Away, 9=Boost, 10=Modbus, 11=Relay control, 12= Resettable Emergency Stop(SW3.1->), 13 = External Alarm(SW3.1->)	
3.0->	4x5159	RW	GIO 3 function	0	255	AI:64=Mode control, 65=Smart Control, 66=Modbus, 67=Pa (supply) 68=Pa(extract), 69=Airflow(supply), 70=Airflow(exhaust), 71=RH, 72=CO2, 73=VOC	
3.0->	4x5160	RW	GIO 4 function	0	255	DO:128=Alarm, 129=Duct Damper, 130=Away state, 131=Boost state, 132=Modbus, 133=DI control, 134=Manual ON, 135=Travelling(SW3.1->), 136 = Stop(SW3.1->), 137=Service(SW3.1->), 138=Critical Alarm(SW3.1->)	
3.0->	4x5161	RW	GIO 5 function	0	255		
3.1->	4x5173	RW	GIO Activation NO/NC	0	255	bit BIT0 = GIO1, BIT1 = GIO2, BIT2 = GIO3, BIT3 = GIO4, BIT5 = GIO5 (0 = Activate when Close, 1= Act. When Open)	GIO Polarity (SW 3.1 -> )
3.0->	4x5026	RW	SET Relay 1 output	0	1	0 = External Relay Open,1 = External Relay Closed	Select SET Relay 1 Modbus (4x5162 = 8??)
3.0->	4x5027	RW	SET Relay 2 output	0	1	0 = External Relay Open,1 = External Relay Closed	Select SET Relay 2 Modbus
3.0->	4x5028	RW	AO4 Output control	0	100	0.01V AO4 Voltage output control	Select AO4 Function to Modbus (4x5172 = 4)
3.0->	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,	
3.0->	4x5163	RW	SET Relay 2 function	0	0	8=Boost, 9=DI-controlled, 10=Modbus controlled	
3.1->	4x5172	RW	AO4 Output type	0	35	°C 0 = NA, 1 = Control, 2 = Stepless Control, 3 = Temp SP, 4 = Modbus	(SW 3.1 -> )

SW	R / W	Register Name	Min	Max	Unit	Description	Note
<b>Heating / Cooling</b>							
3.0->	4x5130	RW	<b>Temperature Controller method</b>		<b>0</b>	<b>1</b>	<b>0 = Supply air, 1 = Room air</b>
3.0->	4x5101	RW	16	23	°C	Supply/Room temperature controller setpoint	Available only in units equipped with Heating /Cooling device.
3.0->	4x5107	RW	0	10	°C	Travelling mode temperature drop	Temperature drop of Setpoint
3.0->	4x5171	RW	0	10	°C	Away State Temperature Drop	Temperature drop of Setpoint
3.0->	4x5133	RW	10	50	°C	Room Control, Supply control min	Available only if Room temperature control selected.
3.0->	4x5134	RW	10	50	°C	Room Control, Supply control max	Available only if Room temperature control selected.
3.0->	4x5136	RW	10	50	°C	Room Control, Cooling control min	Available only in units with External Cooling device
3.0->	4x5137	RW	10	50	°C	Room Control, Cooling control max	Available only in units with External Cooling device
3.1->	4x5174	RW	0	2		Heating Mode	Supply temperature control 1 = ECO, 2= Comfort
3.0->	4x5014	RW	0	1		Internal Post heater	IF values is 0 Comfort mode NOT AVAILABLE for this unit
3.0->	4x5016	RW	0	1		External Post heater	0 = Disabled, 1 = Enabled
3.0->	4x5129	RW	-50	50	°C	Heating Fresh air limit	Available only in units with controlled re-heater
3.0->	4x5015	RW	0	1		External Cooling control	0 = Disabled, 1 = Enabled
3.0->	4x5135	RW	0	50	°C	Cooling Fresh air limit	Available only in units with External Cooling device
3.0->	4x5017	RW	0	1		External liquid coil (preheating / cooling)	0 = Disabled, 1 = Enabled
3.0->	4x5138	RW	-50	50	°C	External Pre Heating Fresh air limit	Available only in units with External preheater/cooling device
3.0->	4x5139	RW	-50	50	°C	External Pre Cooling Fresh air limit	Available only in units with External preheater/cooling device
3.0->	4x5176	RW	0	1		External Electrical Preheater	0 = Disabled, 1 = Enabled
3.0->	4x5152	RW	0	6		Room Temperature Sensor	0=Internal, 1=T6, 2=T7, 3=T8, 4=T9, 5=UP1, 6=UP2
3.0->	4x5132	RW	-50	50	0.1°C	Room Temperature Fine Tuning	Room Temperature Fine tuning
3.0->	4x5153	RW	0	4		Supply Temperature Sensor	0=Internal, 1=T6, 2=T7, 3=T8, 4=T9
3.0->	4x5155	RW	-50	50	0.1°C	Supply Temperature Fine Tuning	Supply temperature fine tuning
3.0->	4x5154	RW	0	4		Outside Temperature Sensor	0=Internal, 1=T6, 2=T7, 3=T8, 4=T9
3.0->	4x5156	RW	0	4		Water Temperature Sensor	If sensor selected, Freezing prevention function is activated.

SW	R / W	Register Name	Min	Max	Unit	Description	Note
<b>ALARMS</b>							
3.0->	4x5141	RW	Service Reminder	0	1	0 = Disabled, 1 = Enabled	Service time can be reset by writing 0 and 1 to this register
3.0->	4x5142	RW	Service Reminder interval	0	12	months	
3.0->	3x6129	R	Service Info	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6136 Bit 9
3.0->	4x5406	W	Reset All info alarms	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	4x5401	W	Re-heater failure alarm confirm	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	4x5402	W	Preheater failure alarm confirm	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	4x5403	W	Water radiator Freezing danger alarm confirm	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	4x5404	W	Filter Guard info confirm	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	4x5405	W	Service Timer info confirm	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	4x5407	W	Fan failure alarm confirm	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	4x5408	W	Sensor failure confirm	0	1	1 Confirm Alarm, Register is cleared when command is processed.	
3.0->	3x6136	R	Active Alarms Bitwise	0	16bit	See bitwise description in alarms notes. 0= No Alarm, 1= Active alarm	
3.0->	3x6137	R	Unconfirmed Info Bitwise	0	16bit	See bitwise description in alarms notes. 0= No info, 1= Unconfirmed Info alarm	
3.0->	3x6132	R	Active Alarms	0	1	0 = No Alarms, 1 = Active Alarm	
3.0->	3x6133	R	Unconfirmed Info	0	1	0 = No Info, 1 = Active Info	
3.0->	3x6101	R	T1 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6102	R	T2 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6103	R	T3 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6104	R	T4 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6105	R	T5 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6106	R	T6 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6107	R	T7 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6108	R	T8 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 6
3.0->	3x6134	R	T9 Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Active Alarm	
3.0->	3x6109	R	T1 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6110	R	T2 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6111	R	T3 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6112	R	T4 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6113	R	T5 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6114	R	T6 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6115	R	T7 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6116	R	T8 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 6
3.0->	3x6135	R	T9 Unconfirmed Temperature Sensor Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	Alarm is automatically confirmed
3.0->	3x6117	R	Afterheater failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 0
3.0->	3x6118	R	Unconfirmed Afterheater failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 0
3.0->	3x6119	R	Preheater failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 1
3.0->	3x6120	R	Unconfirmed Preheater failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 1
3.0->	3x6121	R	Freezing danger	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 3
3.0->	3x6122	R	Unconfirmed Freezing danger	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 3
3.0->	3x6123	R	Internal Temperature	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 10
3.0->	3x6124	R	Unconfirmed Internal Temperature	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 10
3.0->	3x6125	R	Supply Fan Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 4
3.0->	3x6126	R	Unconfirmed Supply Fan Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 4
3.0->	3x6127	R	Exhaust Fan Failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 5
3.0->	3x6128	R	Unconfirmed Exhaust Fan Failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 5
3.0->	3x6130	R	Filter guard info	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 8
3.0->	3x6131	R	Emergency Stop	0	1	0 = No Alarms, 1 = Active Alarm	3x6137 Bit 7
3.0->	3x6143	R	Supply temperature low alarm	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 11
3.0->	3x6144	R	Unconfirmed Supply temperature low alarm	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 11
3.0->	3x6145	R	Supply temperature high alarm	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 12
3.0->	3x6146	R	Unconfirmed Supply temperature high alarm	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 12
3.0->	3x6141	R	Preheater temperature high alarm	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 13
3.0->	3x6142	R	Unconfirmed Preheater temperature high alarm	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 13
3.1->	3x6119	R	External Preheater failure	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 2
3.1->	3x6120	R	Unconfirmed External Preheater failure	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 2
3.1->	3x6147	R	Rotor alarm	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 14
3.1->	3x6148	R	Unconfirmed Rotor alarm	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 14
3.0->	3x6149	R	Fan Control alarm	0	1	0 = No Alarms, 1 = Active Alarm	3x6136 Bit 15
3.1->	3x6150	R	Unconfirmed Fan Control alarm	0	1	0 = No Alarms, 1 = Unconfirmed Info Alarm	3x6137 Bit 15

SW	R / W	Register Name	Min	Max	Unit	Description	Note
<b>DEVICE INFORMATION</b>							
3.0->	3x6001	R	Device Firmware version major	0	99		
3.0->	3x6002	R	Device Firmware version minor	0	99		
3.0->	3x6003	R	Device Firmware build	0	999		
3.0->	3x6004	R	Parameter version major	0	99		
3.0->	3x6005	R	Parameter version minor	0	99		
3.0->	3x6008	R	Model name[0:14]			ASCII	Model name ASCII code 3x16008 - 3x16024
3.0->	3x6024	R	Unit Serial Number[0:23]			ASCII	Unit serial number ASCII code. 3x6024 - 3x6047 Direct Access to Service Portal
<b>DIAGNOSTICS - MEASUREMENTS</b>							
3.0->	3x6201	R	Fresh air temperature	-550	600	0.1°C	
3.0->	3x6202	R	Supply air before re-heater temperature	-550	600	0.1°C	
3.0->	3x6203	R	Supply air temperature	-550	600	0.1°C	
3.0->	3x6204	R	Extract air temperature	-550	600	0.1°C	
3.0->	3x6205	R	Exhaust (waste) air temperature	-550	600	0.1°C	
3.0->	3x6206	R	Room air temperature	-550	600	0.1°C	
3.0->	3x6207	R	User Panel 1 temperature	-550	600	0.1°C	
3.0->	3x6208	R	User Panel 2 temperature	-550	600	0.1°C	
3.0->	3x6209	R	Water Radiator temperature	-550	600	0.1°C	Available only in units with radiator
3.0->	3x6210	R	Pre-heater temperature	-550	600	0.1°C	Available only in units with Preheater
3.0->	3x6211	R	External Fresh air temperature	-550	600	0.1°C	Only If External PreHeater/Cooling selected
3.0->	3x6212	R	CO2 Unfiltered	0	2000	ppm	Available only in units with CO2 sensor
3.0->	3x6213	R	CO2 Filtered	0	2000	ppm	Available only in units with CO2 sensor
3.0->	3x6214	R	RH (%)	0	100	%	Available only in units with RH sensor
3.0->	3x6215	R	AH (g/m3)	0	5000	0.1g/m3	Available only in units with RH sensor
3.0->	3x6216	R	AH SetPoint (g/m3)	0	5000	0.1g/m3	Available only in units with RH sensor
3.0->	3x6217	R	VOC	0	2000	ppm	Available only in units with VOC sensor
3.0->	3x6218	R	Supply Duct Pressure	0	500	Pa	
3.0->	3x6219	R	Exhaust Duct Pressure	0	500	Pa	
3.0->	3x6220	R	Supply Air Flow	0	500	l/s	
3.0->	3x6221	R	Exhaust Air Flow	0	500	l/s	

SW	R / W	Register Name	Min	Max	Unit	Description	Note
<b>DIAGNOSTICS -UNIT STATUS</b>							
3.0->	3x6301	R Unit state	0	4		0 = External Stop, 1 = User Stopped, 2 = Starting, 3 = Normal, 4 = Commissioning	
3.0->	3x6302	R Ventilation Speed state	0	4		0 = Stopped, 1= Away, 2 = Home, 3 = Boost	
3.0->	3x6303	R Supply Fan Control	0	100	%		
3.0->	3x6304	R Exhaust Fan Control	0	100	%		
3.0->	3x6305	R Supply Fan RPM	0	1/min			
3.0->	3x6306	R Exhaust Fan RPM	0	1/min			
3.0->	3x6234	R Rotor RPM	0	1/min			
3.0->	3x6307	R Travelling Function Active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6308	R Boost Time left	0	120	min	Timed Function remaining time	
3.0->	3x6309	R Week Timer Active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6310	R A+ Control	-100	100	%		Available only in units with CO2 sensor
3.0->	3x6311	R Auto RH Control	0	100	%		Available only in units with RH sensor
3.0->	3x6312	R Auto Air Quality Control	0	100	%		Available only in units with VOC sensor
3.0->	3x6313	R Auto Temperature Boost Control	0	100	%		Available only if Room temperature control selected.
3.0->	3x6314	R Fan Speed limit Control	-100	0	%		
3.0->	3x6315	R Smart Control	-100	100	%		
3.0->	3x6316	R Temperature Setpoint	13	25	°C		Available only in units with controlled re-heater
3.0->	3x6317	R Supply Control Power output	0	100	%	Heating or Cooling Output control	Available only in units with controlled re-heater / cooling
3.0->	3x6320	R Room Controller Supply Setpoint	0	50	0.1°C		Available only if Room temperature control selected.
3.0->	3x6323	R Cooling Control Active	0	1		0 = Function Not Active, 1 = Function Active	See reg 3x16317 for Cooling power
3.0->	3x6328	R Defrost Active	0	4		0 = Function Not Active, 1 - 4 = Defrost Function Active	
3.0->	3x6332	R Rotor Active	0	1		0 = Function Not Active, 1 = Function Active	Available only in R-Series Units
3.0->	3x6333	R Preheater Active	0	1		0 = Function Not Active, 1 = Function Active	Available only in units with Preheater
3.0->	3x6334	R Summer Cooling Active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6335	R Fireplace function Active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6336	R Central Vacuum Cleaner function active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6337	R Hood Compensation Active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6338	R External Boost Control Active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6339	R External Away Control Active	0	1		0 = Function Not Active, 1 = Function Active	
3.0->	3x6340	R Manual Heat Exchanger bypass plate Position	0	2		0 = Heat Exchanger bypass plate Closed(Winter), 1= Heat Exchanger bypass plate Open (Summer)	Available only in units with Manual Heat Exchanger
3.0->	3x6348	R Automatic Heat Exchanger bypass plate Position	0	100	%	100% is completely open	Available only in units with Automatic Heat Exchanger
3.0->	3x6342	R Filter Guard Input status	0	1		0 = Filter Guard input Not Active, 1 = Filter Guard input Active	
3.0->	3x6343	R Hours to next Service	0	10000	Hours		Available if Service Reminder enabled (see 4x5142 for Service Interval)
3.0->	3x6344	R Preheater Output Power	0	100	%		
3.0->	3x6345	R Nordic Preheater Power	0	100	%		
3.0->	3x6346	R Defrost Supply limit	0	100	%		
3.0->	3x6347	R Defrost exhaust forcing	0	100	%		