

Modbus Mode	RTU / TCP (TCP ab FW-V1.1.1)
Baud rate	9600
Data bits	8
Parity	Even
Stop Bit	1
Modbus Adresse:	10
Register order	High-Word/Low-Word
Byte order	High-Byte/Low-Byte

Modbus Code (dezimal)	BIT/ Wert	Parameter	Read Access	Write access ModBus RTU	Write access ModBus TCP	Quantity Values	Data type	Raw min value	Raw max value	Actual min value	Actual max value	Format	Comment
<b>Adjustment basic settings</b>													
100		Lock ventilation level off	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	0	1	0	1		0=Off possible; 1=Off locked
101		Room temp selection	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	0	1	0	1		0=internal; 1= Bus
<b>Adjustment Ventilation</b>													
150		Filter life device filter	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	3	12	3 months	12 months	months	
151		Filter life outside filter	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	3	18	3 months	18 months	months	
152		Filter life room filter	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	1	6	1 month	6 months	months	
153		Duration ventilation level	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	5	90	5 min	90 min	minute	
154		Duration sleep function	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	5	90	5 min	90 min	minute	
155		Air volume reduced ventilation	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	25*	75*	35 m³/h	75 m³/h	m³/h	* Threshold values depending on type of device
156		Air volume nominal ventilation	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	25*	75*	45 m³/h	75 m³/h	m³/h	* Threshold values depending on type of device
157		Air volume intensive ventilation	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	25*	75*	55 m³/h	75 m³/h	m³/h	* Threshold values depending on type of device
158		Filter change device filter	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	0	1	0	1		1= filter changed
159		Filter change outside filter	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	0	1	0	1		1= filter changed
160		Filter change room filter	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	unsigned 16 Bit	0	1	0	1		1= filter changed
<b>Adjustment Temperature</b>													
300		Adjustment room temperature	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	signed 16 Bit	-30	30	-3°C	3°C	temperature * 10 (°C)	step range 1 (= 0,1°C)
301		T supply air min. cooling	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	signed 16 Bit	8	29	8°C	29°C	°C	step range 1 (= 0,1°C)
<b>EnOcean</b>													
350		EnOcean radio sensor Typ CO2 to ID0	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
351		EnOcean radio sensor Typ CO2 to ID1	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
352		EnOcean radio sensor Typ CO2 to ID2	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
353		EnOcean radio sensor Typ CO2 to ID3	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
354		EnOcean radio sensor Typ CO2 to ID4	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
355		EnOcean radio sensor Typ CO2 to ID5	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
356		EnOcean radio sensor Typ CO2 to ID6	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
357		EnOcean radio sensor Typ CO2 to ID7	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
358		EnOcean radio sensor Typ rH to ID0	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
359		EnOcean radio sensor Typ rH to ID1	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
360		EnOcean radio sensor Typ rH to ID2	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
361		EnOcean radio sensor Typ rH to ID3	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
362		EnOcean radio sensor Typ rH to ID4	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
363		EnOcean radio sensor Typ rH to ID5	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
364		EnOcean radio sensor Typ rH to ID6	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
365		EnOcean radio sensor Typ rH to ID7	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0	100	% rH	
366		EnOcean radio sensor Typ VOC to ID0	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
367		EnOcean radio sensor Typ VOC to ID1	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
368		EnOcean radio sensor Typ VOC to ID2	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
369		EnOcean radio sensor Typ VOC to ID3	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
370		EnOcean radio sensor Typ VOC to ID4	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
371		EnOcean radio sensor Typ VOC to ID5	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
372		EnOcean radio sensor Typ VOC to ID6	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
373		EnOcean radio sensor Typ VOC to ID7	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0	5000	ppm	
<b>Error message and hints</b>													
400		Actual error	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	bit field	High word error
401		Actual error	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	bit field	Low word error
402		Actual hint	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	bit field	High word hint
403		Actual hint	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	bit field	Low word hint
404		Error Reset	-	06-Write Single Register	16-Write Multiple Register	1	uint16	0	1	0	1		1= error reset
<b>Basic adjustment</b>													
550		Operation mode	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	uint16	0	4	0	4		0=Aus; 1=manual; 2= auto sensor;3=Eco supply air; 4=Eco exhaust air
551		Boost ventilation	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	uint16	0	1	0	1		0=inactive; 1=active
552		Setpoint temperature room	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	int16	180	250	18°C	25°C	temperature * 10 (°C)	Step range 5 (= 0,5°C)
553		Ventilation level	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	uint16	0	4	0	4		0=Off; 1=humidity protection; 2=reduced; 3=nominal; 4=intensive
554		Sleep function	03-Read Holding Register(4x)	06-Write Single Register	16-Write Multiple Register	1	uint16	0	1	0	1		0=inactive; 1=active
<b>Query Ventilation</b>													
650		Actual ventilation level	03-Read Holding Register(4x)	-	-	1	uint16	0	4	0	4		0=Off; 1=humidity protection; 2=reduced; 3=nominal; 4=intensive
651		Actual rpm supply air fan	03-Read Holding Register(4x)	-	-	1	uint16	0	5000	0	5000	U/min	
652		Actual rpm exhaust air fan	03-Read Holding Register(4x)	-	-	1	uint16	0	5000	0	5000	U/min	
653		Actual air volume supply air	03-Read Holding Register(4x)	-	-	1	uint16	0	300*	0 m³/h	300 m³/h	m³/h	
654		Actual air volume exhaust air	03-Read Holding Register(4x)	-	-	1	uint16	0	300*	0 m³/h	300 m³/h	m³/h	
655		Remaining time device filter	03-Read Holding Register(4x)	-	-	1	uint16	0	366	0 Tage	366 Tage	days	Remaining term in days
656		Remaining time outside filter	03-Read Holding Register(4x)	-	-	1	uint16	0	549	0 Tage	549 Tage	days	Remaining term in days
657		Remaining time room filter	03-Read Holding Register(4x)	-	-	1	uint16	0	183	0 Tage	183 Tage	days	Remaining term in days

<b>Range actual temperatures</b>													
700	-	Temperature room	03-Read Holding Register(4x)	-	-	1	int16	-300	1200	-30°C	120°C	temperature * 10 (°C)	Display according to room sensor configuration
701	-	Temperature air entry	03-Read Holding Register(4x)	-	-	1	int16	-300	1200	-30°C	120°C	temperature * 10 (°C)	
702	-	Temperature supply air	03-Read Holding Register(4x)	-	-	1	int16	-300	1200	-30°C	120°C	temperature * 10 (°C)	
703	-	Temperature exhaust air	03-Read Holding Register(4x)	-	-	1	int16	-300	1200	-30°C	120°C	temperature * 10 (°C)	
704	-	Temperature outgoing air	03-Read Holding Register(4x)	-	-	1	int16	-300	1200	-30°C	120°C	temperature * 10 (°C)	
705	-	T room Bus	-	06-Write Single Register	16-Write Multiple Register	1	int16	-300	1200	-30°C	120°C	temperature * 10 (°C)	Only valid, if a bus room temperature sensor is configured / write cycle min. 10 min
<b>Range sensor data</b>													
750	-	r.H. exhaust air	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0%	100%	relative humidity * 10 (%)	Only valid if sensor 1 is configured as rH sensor
751	-	r.H. sensor 1	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0%	100%	relative humidity * 10 (%)	
752	-	r.H. sensor 2	03-Read Holding Register(4x)	-	-	1	uint16	0	1000	0%	100%	relative humidity * 10 (%)	Only valid if sensor 2 is configured as rH sensor
753	-	CO2 sensor 1	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0ppm	5000ppm	CO2 concentration * 10 (ppm)	Only valid if sensor 1 is configured as CO2 sensor
754	-	CO2 sensor 2	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0ppm	5000ppm	CO2 concentration * 10 (ppm)	Only valid if sensor 2 is configured as CO2 sensor
755	-	VOC sensor 1	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0ppm	5000ppm	VOC concentration * 10 (ppm)	Only valid if sensor 1 is configured as VOC sensor
756	-	VOC sensor 2	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0ppm	5000ppm	VOC concentration * 10 (ppm)	Only valid if sensor 2 is configured as VOC sensor
757	-	r.H. Bus	-	06-Write Single Register	16-Write Multiple Register	1	uint16	0	100	0 %rH	100 %r.F	Write cycle min. 10 min	
758	-	LQ-Bus	-	06-Write Single Register	16-Write Multiple Register	1	uint16	0	5000	0ppm	5000ppm	Write cycle min. 10 min	
759	-	VOC value exhaust air	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0ppm	5000ppm	VOC concentration * 10 (ppm)	Only valid, if VOC sensor module exhaust air available
760	-	CO2 value exhaust air	03-Read Holding Register(4x)	-	-	1	uint16	0	50000	0ppm	5000ppm	CO2 concentration * 10 (ppm)	Only valid, if CO2 sensor module exhaust air available
<b>Query switching states</b>													
800	-	Fan supply air	03-Read Holding Register(4x)	-	-	1	uint16	0	1	0	1	0=OFF; 1=ON	
801	-	Fan exhaust air	03-Read Holding Register(4x)	-	-	1	uint16	0	1	0	1	0=OFF; 1=ON	
802	-	PTC heater	03-Read Holding Register(4x)	-	-	1	uint16	0	1	0	1	0=OFF; 1=ON	
803	-	Switch contact basic board	03-Read Holding Register(4x)	-	-	1	uint16	0	1	0	1	0=OFF; 1=ON	
<b>Query operating hours</b>													
850	-	Operating hours humidity protection ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	High-Word
851	-	Operating hours humidity protection ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	Low-Word
852	-	Operating hours reduced ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	High-Word
853	-	Operating hours reduced ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	Low-Word
854	-	Operating hours nominal ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	High-Word
855	-	Operating hours nominal ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	Low-Word
856	-	Operating hours intensive ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	High-Word
857	-	Operating hours Intensivlüftung	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	Low-Word
858	-	Operating hours total ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	High-Word
859	-	Operating hours total ventilation	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	Low-Word
860	-	Relay preheater	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	High-Word
861	-	Relay preheater	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	Low-Word
862	-	Switching contact	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	High-Word
863	-	Switching contact	03-Read Holding Register(4x)	-	-	1	uint16	0	65535	0	65535	hours	Low-Word