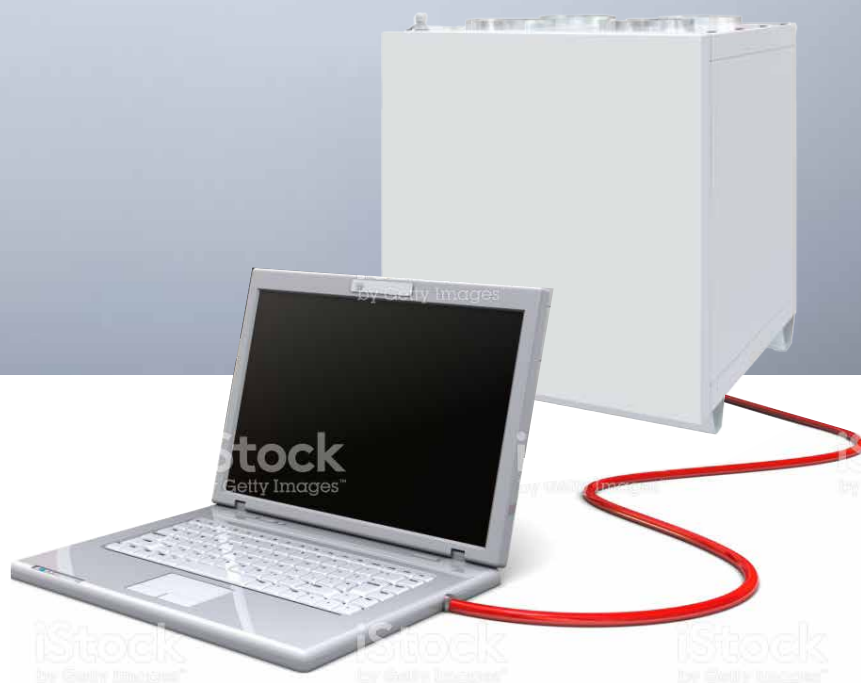


Komfortwohnraumlüftung

GEBRAUCHS ANWEISUNG

POLO-AIR + GERÄTE – MODBUSVERBINDUNG



PURE
PROGRESS / **poloplast**

INHALT

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Allgemeine Hinweise

Die in diesem technischen Handbuch enthaltenen Informationen sollen Ihnen helfen, unsere Erzeugnisse für Ihre Anwendung auszuwählen. Bei der Zusammenstellung von Texten und Abbildungen wurde mit größter Sorgfalt vorgegangen. Trotzdem können Fehler nicht vollständig ausgeschlossen werden. POLOPLAST kann für fehlerhafte Angaben und deren Folgen keinerlei Haftung übernehmen. Für Verbesserungsvorschläge und Hinweise ist POLOPLAST dankbar.

Für weitere Informationen steht Ihnen unser technischer Außendienst gerne zur Verfügung.
Oder kontaktieren Sie unsere Zentrale unter: +43 (0)732 / 38 86-0, office@poloplast.com

MODBUSPROTOKOLLE UND VERBINDUNGSEINSTELLUNGEN

Dieses Handbuch ist kompatibel mit Firmware X.X.X.6 und darüber.

Die Steuerung unterstützt Modbus RTU und Modbus TCP Protokolle. Beide Protokolle verwenden Hauptbefehle zum Lesen und Voreinstellen von Registern. Unterstützte Modbus-Befehle sind in Tabelle 1 dargestellt.

Tabelle 1: Unterstützte Modbus Befehle

Funktions Code	Beschreibung
03	Read Holding Registers
06	Preset Single Register
16	Preset Multiple Registers

Das Modbus RTU Protokoll arbeitet über eine RS-485 Schnittstelle. Die Standardeinstellungen sind in Tabelle 2 dargestellt. Die Standardeinstellungen und Modbus RTU-Protokoll-ID können über die Website geändert werden. Um die Einstellungen zu ändern, schließen Sie die Lüftungseinheit (AHU) an Ihr Netzwerk an. Standard-AHU-IP-Adresse ist 192.168.0.60. Gehen Sie zu Ihrem Browser und geben Sie die Standard-AHU-IP-Adresse ein. Sie sollten das Fenster „Login“ sehen (Abb. 1). Zum Login den Benutzernamen und das Passwort eingeben. Standardbenutzername: „User“ und Passwort: „User“.

Tabelle 2: Standardeinstellungen der RS485-Schnittstelle

Baudrate	Wortlänge	Paritätät	Stop bits
19200	8	EVEN	1

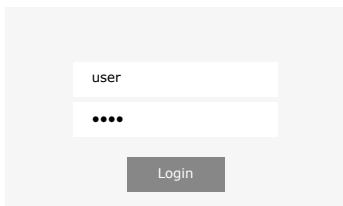


Abb. 1. Website login Fenster

Um die RS-485 Schnittstelleneinstellungen und das Modbus RTU Protokoll ID zu finden, gehen Sie zu „EINSTELLUNGEN“ und „ANSCHLUSS“ (Abb. 2). Wenn Sie sich angemeldet haben, jedoch das Fenster „EINSTELLUNGEN“ nicht öffnen können, stellen Sie sicher, dass JavaScript in Ihrem Webbrowser aktiviert (aktiv) ist.

MODBUSPROTOKOLLE UND VERBINDUNGSEINSTELLUNGEN

user Logout

ALARM Einstellungen AUS

Einstellungen

Verbindung

IP Adresse: 192 168 0 60

Subnetz Maske: 255 255 255 0

Modbus ID: 254

RS-485: 19200 baud 8E1

Änderungen speichern

zurück zur Werkseinstellung

Abb.2 Verbindungseinstellungen

Wenn Sie das „Login“ Fenster nicht sehen, stellen Sie sicher, dass:

- Ihr Gerät und das Lüftungsgerät im gleichem Netzwerk verbunden sind
- Ihr Gerät und das Lüftungsgerät im gleichen Subnetz sind
- Ihr Proxy Server und Firewall die Verbindung nicht blockieren
- Sie die korrekte IP-Adresse eingegeben haben

Wenn Ihr Gerät direkt mit der Steuerung verbunden ist, stellen Sie sicher, dass Ihr DHCP Server deaktiviert ist und die Static IP im selben Subnetz ist. Wenn Sie das Windows Betriebssystem benutzen, gehen Sie zu „Netzwerkverbindungen“ und „Internet Protokoll Version 4 (TCP/IPv4) Eigenschaften“ (Abb. 3), Sie wählen „Folgende IP-Adresse verwenden“ und geben Ihre statischen Parameter ein.

Zum Beispiel:

- IP Adresse: 192.168.0.61;
- Subnetz Maske: 255.255.255.0;
- Standard Gateway: 192.168.0.1.

Internet Protocol Version 4 (TCP/IPv4) Properties

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 0 . 61

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 192 . 168 . 0 . 1

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: . . .

Alternate DNS server: . . .

☐ Validate settings upon exit

Advanced...

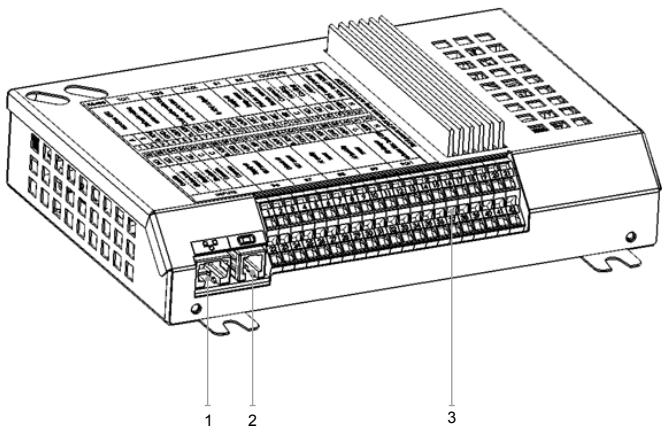
OK Cancel

Abb. 3. Personal Computer Static IP- Adresse- Konfiguration

MODBUSPROTOKOLLE UND VERBINDUNGSEINSTELLUNGEN

Das Lüftungsgerät verfügt über externe Anschlussklemmen am Controller im Inneren der Lüftungsanlage. Modbus A- und B-Kommunikationsleitungen können an Anschlussklemmen 1 und 2 für externe Elemente angeschlossen werden (Abb. 4, Abb. 5). Um Geräte anzuschließen, verwenden Sie Twisted Pair Kabel. Die maximale Kabellänge beträgt 150 m. Regler-Erdungspunkt (alle GND-Klemmen zum Anschluss von externen Elementen: 4, 7, 10, 29, 32, 35, 38) und andere Geräte sollten miteinander verbunden werden, wenn der Abstand zwischen den RS-485-Schnittstellen mehr als 10 m beträgt. (Abb. 4, Abb. 5).

Abb. 4. Regler mit Anschlussklemmen



- 1. Ethernet Verbindung für Computer Netzwerk oder Internet
- 2. Steuerungspanel Verbindung
- 3. Verbindung externer Elemente

RS485		TG1				DX		AUX				B1		B5		OUTPUTS				S1	
Modbus RTU		Water mixing valve actuator				External DX unit		24V DC; 0-10V output				Supply air temp. sensor		Return water temp. sensor		Common Heating Cooling Alarm				Water pump Max. load 100W	
A	B	0.10V		GND		+24V		0.10V		GND		+24V		NTC 10k		NTC 10k		C	NO	NO	NO
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
NO	NO	NO	NC	C	C	0.10V	GND	+24V	0.10V	GND	+24V	0.10V	GND	+24V	0.10V	GND	+24V	0.10V	GND	+24V	
Override	Kitchen hood	Fireplace	Fire alarm	Common	Common	Supply air VAV sensor	Exhaust air VAV sensor				Air quality or humidity sensor 1		Air quality or humidity sensor 2		Air damper actuator Max. load 15W						
INPUTS						B6	B7	B8		B9		FG1									

Abb. 5. Verbindungsdiagramm für externe Elemente

MODBUSPROTOKOLLE UND VERBINDUNGSEINSTELLUNGEN

Modbus TCP-Protokoll arbeitet über die Ethernet-Schnittstelle, Anschluss an RJ-45-Buchse am Regler (Bild 4). Die Standard-IP-Adresse ist 192.168.0.60 und der Port 502. Um den Controller über Modbus TCP anzuschließen, stellen Sie sicher, dass Proxy-Server oder Firewall die IP-Adresse des Gerätes nicht blockieren und der 502-Port geöffnet ist. Die Controller-IP-Adresse kann über die Website geändert werden (Bild 2). Die Anleitung zum Anschließen und Einbinden auf die Website wurde im Bereich Modbus RTU vorgestellt. IP-Adresse und Subnetzmaske können auch mit dem Touch Panel geändert werden. Um diese Einstellungen zu finden, klicken Sie auf den Panel-Bildschirm, klicken Sie die „Menü“-Taste, klicken Sie auf „Einstellungen“, halten sie für mehr als 5 Sekunden, danach wird das Fenster „weitere Einstellungen“ angezeigt. Klicken Sie auf die Schaltfläche „Anschlussmöglichkeiten“ – hier finden Sie IP-Adresse und Subnetzmaske (Abb. 6). Wenn Sie einen dieser Parameter ändern möchten, klicken Sie einfach darauf und ändern es.

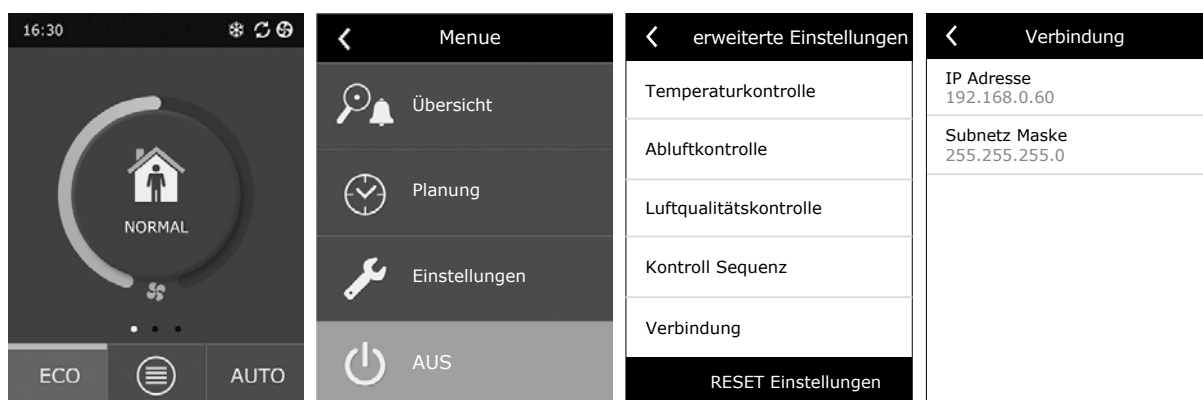


Abb. 6. Touch Panel Verbindungseinstellungen

Für den Anschluss sollte ein CAT5-Kabel verwendet werden. Die maximale Kabellänge zwischen Gerät und Regler beträgt 100 m. Controller Modbus-Register mit Beschreibungen sind in Tabelle 3 dargestellt.

MODBUSREGISTER

Tabelle 3: Controller Modbusregister

Gruppe	Untergruppen	Reg.Nr.	Register Name	Daten			Werte und Einheiten	Beispiele / Kommentare
				Zugriff	Typ	Umfang		
Hauptkontrolle	Modi	1	AN/AUS Status	R/W	unsigned char	0–1	aus = 0, an = 1	
		2	Auto-Modus Kontrolle	RO	unsigned char	0–1	scheduling = 0 Luftqualität = 1	
		3	ECO Modus	R/W	unsigned char	0–1	aus = 0, an = 1	
		4	AUTO Modus	R/W	unsigned char	0–1	aus = 0, an = 1	
		5	aktueller Modus	R/W	unsigned char	0–10	READ ONLY: Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4 Küche = 5 Feuerstätte = 6 Override = 7 Urlaub = 8 Luftqualität = 9 aus = 10 WRITE ONLY: abwesend = 1 normal = 2 intensive = 3 Boost = 4	
		6	geplanter Betriebsmodus	R/W	unsigned char	0–3	Zuhause = 0 Arbeitswoche = 1 Büro = 2 Praxis = 3	
		7	nächster Modus	RO	unsigned char	0–8	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4 Küche = 5 Feuerstätte = 6 Override = 7 Urlaub = 8	
		8	nächster Modus Startzeit	RO	unsigned short	0–1.439	Protokoll	(0–1.439 = 0:00–23:59); 130 = 2:10
		9	nächster Modus Wochentag	RO	unsigned char	0–7	Wochentage: keine = 0, Mo = 1, Di = 2, Mi = 3, Do = 4, Fr = 5, Sa = 6, So = 7	
		10	vorher Modus Maske	RO	unsigned char	0–31	Standby = 0 abwesend = 1 bit normal = 2 bit intensive = 3 bit Boost = 4 bit	
	Temperatur / Luftstromkontrolle	11	Temperatur Kontrolle	R/W	unsigned char	0–3	Zufuhr = 0 Ausfuhr = 1 Balance = 2 Raum = 3	
		12	Luftstromkontrolle	R/W	unsigned char	0–2	CAV = 0 VAV = 1 DCV = 2	
		13–14	max. Luftstromzufuhr	RO	unsigned int	0–200.000	m³/h, l/s	
		15–16	max. Luftstromzufuhr	RO	unsigned int	0–200.000	m³/h, l/s	
		17	max. Druckzufuhr	R/W	unsigned short	0–1.000	Pa	
		18	max. Druckzufuhr	R/W	unsigned short	0–1.000	Pa	

MODBUSREGISTER

Gruppe	Untergruppen	Reg.Nr.	Register Name	Daten			Werte und Einheiten	Beispiele / Kommentare
				Zugriff	Typ	Umfang		
Hauptkontrolle	Kontrollsequenz	19	Stufe 1	R/W	unsigned char	0–3	keine = 0 externe Spule = 1 elektr. Heizer = 2 ext. DX Einheit = 3	
		20	Stufe 2	R/W	unsigned char	0–3	keine = 0 externe Spule = 1 elektr. Heizer = 2 ext. DX Einheit = 3	
		21	Stufe 3	R/W	unsigned char	0–3	keine = 0 externe Spule = 1 elektr. Heizer = 2 ext. DX Einheit = 3	
		22	Spulentyp	R/W	unsigned char	0–1	Heißwasser = 0 Kaltwasser = 1 Kombi = 2	
	Verbindung	23–24	IP	R/W	unsigned int		Voreinstellung 192.168.0.60	
		25–26	Maske	R/W	unsigned int		Voreinstellung 255.255.255.0	
	Einstellungen	27	Sprache	R/W	unsigned char	0–255	englisch = 0 litauisch = 1 russisch = 2 ...	
		28	Strömungseinheit	R/W	unsigned char	0–1	m³/h = 0, l/s = 1	
	Zeit und Datum	29	Zeit, HH:MM	R/W	unsigned short	MSB 0x00–0x17 LSB 0x00–0x3B	MSB-Std., LSB-Min.	0x0B36 = 11:54
		30	Jahr	R/W	unsigned short	2017–2035	Jahr	0x07E0 = 2016
		31	Monat/Tag	R/W	unsigned short	MSB 0x01–0x0C LSB 0x01–0x1F	MSB-Monat, LSB-Tag	0x020C = Feb12
		32	Woche/Tag	RO	unsigned char	1–7	Mo = 1, Di = 2, Mi = 3, Do = 4, Fr = 5, Sa = 6, So = 7	
		33–34	Zeit seit 1970	RO	unsigned int	1483228800– 2051222400	basierend auf Sek. seit Standard Epoche von 01.01.1970	1456329600 = 2016.02.24/16:00:00
Einstellungsmodi	Abwesend	100–101	Zuluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		102–103	Abluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		104	Sollwert	R/W	signed short	50–400	×10 C	
		105	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	
	Normal	106–107	Zuluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		108–109	Abluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		110	Sollwert	R/W	signed short	50–400	×10 C	
		111	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	
	Intensiv	112–113	Zuluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		114–115	Abluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		116	Sollwert	R/W	signed short	50–400	×10 C	
		117	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	
	Boost	118–119	Zuluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		120–121	Abluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s, Pa	
		122	Sollwert	R/W	signed short	50–400	×10 C	
		123	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	

MODBUSREGISTER

Gruppe	Untergruppen	Reg.Nr.	Register Name	Daten			Werte und Einheiten	Beispiele / Kommentare
				Zugriff	Typ	Umfang		
Einstellungsmodi	Küche	124–125	Zuluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s	
		126–127	Abluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s	
		128	Sollwert	R/W	signed short	50–400	×10 C	
		129	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	
		130	Timer Zeit	R/W	unsigned short	0–300	Minuten	
	Feuerstätte	131–132	Zuluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s	
		133–134	Abluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s	
		135	Sollwert	R/W	signed short	50–400	×10 C	
		136	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	
		137	Timer Zeit	R/W	unsigned short	0–300	Minuten	
	Override	138–139	Zuluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s	
		140–141	Abluftstrom	R/W	unsigned int	0–200.000	m³/h, l/s	
		142	Sollwert	R/W	signed short	50–400	×10 C	
		143	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	
		144	Modus	R/W	unsigned char	0–2	ständig = 0 wenn an = 1 wenn aus = 2	
		145	Timer Zeit	R/W	unsigned short	0–300	Minuten	
	Urlaub	146	Microventilation	R/W	unsigned char	1–4	1x pro Tag = 1 2x pro Tag = 2 3x pro Tag = 3 4x pro Tag = 4	
		147	Sollwert	R/W	signed short	50–400	×10 C	
		148	Heizen	R/W	unsigned char	0–1	aus = 0, an = 1	
		149–150	von Tag/Monat	R/W	unsigned int	1483228800–2051222400	basierend auf Sek. seit Standard Epoche ab 1.1.1970	1456329600 = 2016.02.24/16:00:00
		151–152	bis Tag/Monat	R/W	unsigned int	1483228800–2051222400	basierend auf Sek. seit Standard Epoche ab 1.1.1970	1456329600 = 2016.02.24/16:00:00
		153	von Jahr	R/W	unsigned short	2017–2035		
		154	von Monat/Tag	R/W	unsigned short	MSB 0x01–0x0C LSB 0x01–0x1F	MSB = Monat LSB = Tag	0x020C = Feb 12
		155	bis Jahr	R/W	unsigned short	2017–2035		
		156	bis Monat/Tag	R/W	unsigned short	MSB 0x01–0x0C LSB 0x01–0x1F	MSB = Monat LSB = Tag	0x020C = Feb 12
Eco	Eco	200	min. Zuluft-Temp.	R/W	unsigned short	50–400	×10 C	
		201	max. Zuluft-Temp.	R/W	unsigned short	50–400	×10 C	
		202	freies Heizen/Kühlen	R/W	unsigned char	0–1	aus = 0, an = 1	
		203	Heizungsfreigabe verweigert	R/W	unsigned char	0–1	aus = 0, an = 1	
		204	Kühlungsfreigabe verweigert	R/W	unsigned char	0–1	aus = 0, an = 1	
Luftqualität	Luftqualität	205	Luftqualität aktivieren	R/W	unsigned char	0–1	deakt. = 0, akt. = 1	
		206	Temp.-Sollwert	R/W	signed short	50–400	×10 C	
		207	Luftquali.-Sollwert	R/W	unsigned short	CO2: 0–2.000 VOC: 0–100	ppm, %	
		208	Feuchtigkeit-Sollw.	R/W	unsigned short	RH: 0–100	%	
		209	Luftqualität min. Intensität	R/W	unsigned char	0, 20–100	%	
		210	Luftqualität max. Intensität	R/W	unsigned char	0, 20–100	%	
		211	Luftquali. Heizung	R/W	unsigned char	0–1	aus = 0, an = 1	
		212	Luftqualität Prüfzeitraum	R/W	unsigned char	1–24	Stunden	

MODBUSREGISTER

Gruppe	Untergruppen		Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
					Zugriff	Typ	Umfang		
Luftqualität	Luftqualität		213	Luftqualität Sensor Typ B8	R/W	unsigned char	0–3	keine = 0, CO ₂ = 1, VOC = 2, RH = 3	
			214	Luftqualität Sensor Typ B9	R/W	unsigned char	0–3	keine = 0, CO ₂ = 1, VOC = 2, RH = 3	
Zeitplan	Zuhause	Operation Programm 1	300	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			301	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	deutsch ???
			302	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			303	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			304	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
			305	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			306	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			307	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
			308	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			309	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			310	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
			311	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			312	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			313	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
			314	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			315	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			316	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			317	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
			318	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			319	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05

MODBUSREGISTER

Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare	
						Zugriff	Typ	Umfang			
Zeitplan	Zuhause	Operation Programm 2	Event 2	320	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4		
				321	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
				322	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
			Event 3	323	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4		
				324	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
				325	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
			Event 4	326	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4		
				327	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
				328	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
			Event 5	329	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4		
				330	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
				331	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
			Operation Programm 3	Wochentag Maske	332	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
				Event 1	333	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
					334	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
					335	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				Event 2	336	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
					337	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
		338			Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
		Event 3		339	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4		
				340	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
				341	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
		Event 4		342	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4		
				343	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	
			344	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare		
						Zugriff	Typ	Umfang				
Zeitplan	Zuhause	Operation Programm 3	Event 5	345	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				346	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
				347	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
		Operation Programm 4	Wochentag Maske	348	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit			
			Event 1	349	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				350	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
				351	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
			Event 2	352	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				353	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
				354	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
			Event 3	355	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				356	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
				357	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
			Event 4	358	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				359	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
				360	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
			Event 5	361	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				362	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
				363	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		
			Arbeitswoche	Operation Programm 1	Wochentag Maske	364	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
					Event 1	365	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
						366	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
	367	Stop Zeit				R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05		

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
						Zugriff	Typ	Umfang		
Zeitplan	Arbeitswoche	Operation Programm 1	Event 2	368	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				369	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				370	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	371	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				372	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				373	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	374	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				375	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				376	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 5	377	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				378	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				379	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
		Operation Programm 2	Wochentag Maske	380	Wochentag Maske	R/W	unsigned char	0b00000000– 0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	381	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				382	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				383	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 2	384	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				385	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				386	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	387	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				388	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				389	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	390	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				391	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				392	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
						Zugriff	Typ	Umfang		
Zeitplan	Arbeitswoche	Operation Programm 2	Event 5	393	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				394	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				395	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
		Operation Programm 3	Wochentag Maske	396	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	397	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				398	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				399	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 2	400	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				401	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				402	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 3	403	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				404	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				405	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 4	406	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				407	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				408	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 5	409	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				410	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				411	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
		Operation Programm 4	Wochentag Maske	412	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	413	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				414	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				415	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
						Zugriff	Typ	Umfang		
Zeitplan	Arbeitswoche	Operation Programm 4	Event 2	416	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				417	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				418	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	419	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				420	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				421	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	422	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				423	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				424	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 5	425	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				426	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				427	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
	Büro	Operation Programm 1	Wochentag Maske	428	Wochentag Maske	R/W	unsigned char	0b00000000– 0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	429	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				430	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				431	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 2	432	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				433	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				434	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	435	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				436	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				437	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	438	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				439	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				440	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare		
						Zugriff	Typ	Umfang				
Zeitplan	Büro	Operation Programm 1	Event 5	441	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				442	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
				443	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
		Operation Programm 2	Wochentag Maske	444	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit			
			Event 1	445	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				446	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
				447	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
			Event 2	448	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				449	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
				450	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
			Event 3	451	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				452	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
				453	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
			Event 4	454	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				455	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
				456	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
			Event 5	457	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4			
				458	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
				459	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05		
			Operation Programm 3	Wochentag Maske	460	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit		
					Event 1	461	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
						462	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
		463				Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05	

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
						Zugriff	Typ	Umfang		
Zeitplan	Büro	Operation Programm 3	Event 2	464	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				465	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				466	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	467	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				468	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				469	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	470	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				471	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				472	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 5	473	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				474	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				475	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
		Operation Programm 4	Wochentag Maske	476	Wochentag Maske	R/W	unsigned char	0b00000000– 0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	477	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				478	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				479	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 2	480	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				481	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				482		R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	483	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				484	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				485	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	486	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				487	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				488	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
						Zugriff	Typ	Umfang		
Zeitplan	Büro	Operation Programm 4	Event 5	489	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				490	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				491	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
	Praxis	Operation Programm 1	Wochentag Maske	492	Wochentag Maske	R/W	unsigned char	0b00000000– 0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	493	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				494	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				495	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 2	496	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				497	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				498	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 3	499	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				500	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				501	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 4	502	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				503	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				504	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 5	505	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				506	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				507	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
		Operation Programm 2	Wochentag Maske	508	Wochentag Maske	R/W	unsigned char	0b00000000– 0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	509	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				510	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				511	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05

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Zeitplan	Praxis	Operation Programm 2	Event 2	512	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				513	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				514	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	515	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				516	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				517	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	518	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				519	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				520	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 5	521	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				522	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				523	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
		Operation Programm 3	Wochentag Maske	524	Wochentag Maske	R/W	unsigned char	0b00000000– 0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	525	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				526	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				527	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 2	528	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				529	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				530		R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 3	531	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				532	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				533	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
			Event 4	534	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				535	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05
				536	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0x0805 = 8:05

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Gruppe	Untergruppen			Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
						Zugriff	Typ	Umfang		
Zeitplan	Praxis	Operation Programm 4	Event 5	537	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				538	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				539	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
		Operation Programm 4	Wochentag Maske	540	Wochentag Maske	R/W	unsigned char	0b00000000–0b01111111	Mo = 0 bit, Di = 1 bit, Mi = 2 bit, Do = 3 bit, Fr = 4 bit Sa = 5 bit, So = 6 bit	
			Event 1	541	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				542	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				543	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 2	544	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				545	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				546	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 3	547	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				548	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				549	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 4	550	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				551	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				552	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Event 5	553	Modus	R/W	unsigned char	0–4	Standby = 0 abwesend = 1 normal = 2 intensive = 3 Boost = 4	
				554	Start Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
				555	Stop Zeit	R/W	unsigned short	0:00–23:59	MSB-Std., LSB-Min.	0×0805 = 8:05
			Alarme	Aktive Alarme			600	Aktiver Alarmzähler	R/W	unsigned char
601	Aktiver Alarm Code 1 (neuester)	RO					unsigned char	0×01–0×FF		0×02 = 2F (MSb = 0) 0×82 = 2W (Msb = 1)
602	Aktiver Alarm Code 2	RO					unsigned char	0×01–0×FF		0×02 = 2F (MSb = 0) 0×82 = 2W (Msb = 1)
603	Aktiver Alarm Code 3	RO					unsigned char	0×01–0×FF		0×02 = 2F (MSb = 0) 0×82 = 2W (Msb = 1)

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				Zugriff	Typ	Umfang		
Alarmer	Aktive Alarmer	604	Aktiver Alarm Code 4	RO	unsigned char	0x01–0xFF		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		605	Aktiver Alarm Code 5	RO	unsigned char	0x01–0xFF		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		606	Aktiver Alarm Code 6	RO	unsigned char	0x01–0xFF		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		607	Aktiver Alarm Code 7	RO	unsigned char	0x01–0xFF		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		608	Aktiver Alarm Code 8	RO	unsigned char	0x01–0xFF		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		609	Aktiver Alarm Code 9	RO	unsigned char	0x01–0xFF		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		610	Aktiver Alarm Code 10	RO	unsigned char	0x01–0xFF		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
	Alarm Historie	Alarm 1	611	Alarm Historie Zähler	RO	unsigned char	0–50	
			612	Alarm (neuester) Jahr	RO	unsigned short	2016–2250	Jahr
			613	Alarm (neuester) Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag 0x020C = Feb12
			614	Alarm (neuester) Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten 0x0805 = 8:05
			615	Alarm (neuester) Sek.	RO	unsigned char	0–59	Sekunden
			616	Alarm (neuester) Code	RO	unsigned char	1–127 F Alarmer, 129–255 W Alarmer	0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 2	617	Alarm Jahr	RO	unsigned short	2016–2250	Jahr
			618	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag 0x020C = Feb12
			619	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten 0x0805 = 8:05
			620	Alarm Sek.	RO	unsigned char	0–59	Sekunden
			621	Alarm Code	RO	unsigned char	1–127 F Alarmer	0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 3	622	Alarm Jahr	RO	unsigned short	2016–2250	Jahr
			623	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag 0x020C => Feb12
			624	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten 0x0805 => 8:05
			625	Alarm Sek.	RO	unsigned char	0–59	Sekunden
			626	Alarm Code	RO	unsigned char	1–127 F Alarmer, 129–255 W Alarmer	0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 4	627	Alarm Jahr	RO	unsigned short	2016–2250	Jahr
			628	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag 0x020C = Feb12
			629	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten 0x0805 = 8:05
			630	Alarm Sek.	RO	unsigned char	0–59	Sekunden
			631	Alarm Code	RO	unsigned char	1–127 F Alarmer, 129–255 W Alarmer	0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)

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Gruppe	Untergruppen	Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare	
				Zugriff	Typ	Umfang			
Alarme	Alarm Historie	Alarm 5	632	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			633	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			634	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			635	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			636	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 6	637	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			638	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			639	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			640	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			641	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 7	642	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			643	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			644	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			645	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			646	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 8	647	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			648	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			649	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			650	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			651	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 9	652	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			653	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			654	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			655	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			656	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 10	657	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			658	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			659	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			660	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			661	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 11	662	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			663	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			664	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			665	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			666	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)

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Alarme	Alarm Historie	Alarm 12	667	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			668	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			669	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			670	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			671	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 13	672	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			673	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			674	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			675	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			676	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 14	677	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			678	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			679	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			680	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			681	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 15	682	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			683	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			684	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			685	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			686	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 16	687	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			688	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			689	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			690	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			691	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 17	692	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			693	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			694	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			695	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			696	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 18	697	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			698	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			699	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			700	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			701	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)

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Alarme	Alarm Historie	Alarm 19	702	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			703	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			704	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			705	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			706	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 20	707	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			708	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			709	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			710	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			711	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 21	712	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			713	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			714	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			715	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			716	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 22	717	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			718	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			719	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			720	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			721	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 23	722	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			723	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			724	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			725	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			726	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 24	727	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			728	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			729	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			730	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			731	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 25	732	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			733	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			734	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			735	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			736	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)

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				Zugriff	Typ	Umfang			
Alarmer	Alarm Historie	Alarm 26	737	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			738	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0x020C = Feb12
			739	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0x0805 = 8:05
			740	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			741	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 27	742	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			743	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0x020C = Feb12
			744	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0x0805 = 8:05
			745	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			746	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 28	747	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			748	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0x020C = Feb12
			749	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0x0805 = 8:05
			750	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			751	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 29	752	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			753	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0x020C = Feb12
			754	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0x0805 = 8:05
			755	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			756	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 30	757	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			758	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0x020C = Feb12
			759	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0x0805 = 8:05
			760	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			761	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 31	762	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			763	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0x020C = Feb12
			764	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0x0805 = 8:05
			765	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			766	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)
		Alarm 32	767	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			768	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0x020C = Feb12
			769	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0x0805 = 8:05
			770	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			771	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0x02 = 2F (MSb = 0) 0x82 = 2W (MSb = 1)

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				Zugriff	Typ	Umfang			
Alarme	Alarm Historie	Alarm 33	772	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			773	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			774	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			775	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			776	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 34	777	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			778	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			779	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			780	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			781	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 35	782	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			783	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			784	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			785	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			786	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 36	787	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			788	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			789	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			790	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			791	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 37	792	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			793	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			794	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			795	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			796	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 38	797	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			798	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			799	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			800	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			801	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 39	802	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			803	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			804	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			805	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			806	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)

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				Zugriff	Typ	Umfang			
Alarme	Alarm Historie	Alarm 40	807	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			808	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			809	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			810	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			811	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 41	812	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			813	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			814	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			815	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			816	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 42	817	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			818	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			819	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			820	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			821	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 43	822	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			823	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			824	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			825	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			826	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 44	827	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			828	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			829	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			830	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			831	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 45	832	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			833	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			834	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			835	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			836	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 46	837	Alarm Jahr	RO	unsigned short	2016–2250	Jahr	
			838	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag	0×020C = Feb12
			839	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten	0×0805 = 8:05
			840	Alarm Sek.	RO	unsigned char	0–59	Sekunden	
			841	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme		0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)

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Gruppe	Untergruppen	Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
				Zu-griff	Typ	Umfang		
Alarmer	Alarm Historie	Alarm 47	842	Alarm Jahr	RO	unsigned short	2016–2250	Jahr
			843	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag
			844	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten
			845	Alarm Sek.	RO	unsigned char	0–59	Sekunden
			846	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme	0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 48	847	Alarm Jahr	RO	unsigned short	2016–2250	Jahr
			848	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag
			849	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten
			850	Alarm Sek.	RO	unsigned char	0–59	Sekunden
			851	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme	0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 49	852	Alarm Jahr	RO	unsigned short	2016–2250	Jahr
			853	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag
			854	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten
			855	Alarm Sek.	RO	unsigned char	0–59	Sekunden
			856	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme	0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
		Alarm 50	857	Alarm Jahr	RO	unsigned short	2016–2250	Jahr
			858	Alarm Monat/Tag	RO	unsigned short	01.01–12.31	Monat und Tag
			859	Alarm Zeit	RO	unsigned short	0:00–23:59	Stunden und Minuten
			860	Alarm Sek.	RO	unsigned char	0–59	Sekunden
			861	Alarm Code	RO	unsigned char	1–127 F Alarme, 129–255 W Alarme	0×02 = 2F (MSb = 0) 0×82 = 2W (MSb = 1)
Überwachung	Detaillierte Information	900	Status Symbol Bit Maske	RO	unsigned short	0–8191	Start = 0 bit Stop = 1 bit Ventilator = 2 bit Rotor = 3 bit heizen = 4 bit kühlen = 5 bit heizen verw. = 6 bit kühlen verw. = 7 bit niedriger Vol.Strom = 8 bit freies heizen = 9 bit freies kühlen = 10 bit Alarm F = 11 bit Alarm W = 12 bit	
			901	heizen/kühlen Konfiguration	RO	unsigned char	0–7	Elek. Heizer = 0 bit Wasserkühler/-heizer = 1 bit DX Unit = 2 bit
			902	Zuluft Temp.	RO	signed short	-500–1.200	×10 C
			903	Abluft Temp.	RO	signed short	-500–1.200	×10 C
			904	Außenluft Temp.	RO	signed short	-500–1.200	×10 C
			905	Wasser Temp.	RO	signed short	-500–1.200	×10 C
			906–907	akt. Zuluftstrom	RO	unsigned int	0–200.000	m³/h, l/s
			908–909	akt. Abluftstrom	RO	unsigned int	0–200.000	m³/h, l/s
			910	akt. Zuluft-Vent. Intensität	RO	unsigned short	0–1.000	×10 %
			911	akt. Abluft-Vent. Intensität	RO	unsigned short	0–1.000	×10 %
			912	Wärmetauscher	RO	unsigned short	0–1.000	×10 %

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Gruppe	Untergruppen	Reg.Nr.	Register Name	Daten			Werte und Einheiten	Bsp. / Kommentare
				Zu-griff	Typ	Umfang		
Überwachung	Detaillierte Information	913	Elektrischer Heizer	RO	unsigned short	0–1.000	×10 %	
		914	Wasser Heizer	RO	unsigned short	0–1.000	×10 %	
		915	Wasser Kühler	RO	unsigned short	0–1.000	×10 %	
		916	DX Einheit	RO	signed short	-1.000–1.000	×10 %	
		917	Filter Imupurity	RO	unsigned char	0–100	%	
		918	Luftklappen	RO	unsigned char	0–100	%	
		919	Zuluftdruck	RO	unsigned short	0–1.000	Pa	
		920	Abluftdruck	RO	unsigned short	0–1.000	Pa	
	Effizienzstatus	921	Energieverbrauch	RO	unsigned char	0–65535	W	
		922	Heizleistung	RO	unsigned short	0–65535	W	
		923	Wärmetauscher-Rückgew.	RO	unsigned short	0–65535	W	
		924	Wärmetauscher-Effizienz	RO	unsigned char	0–100	%	
		925	Energie sparen	RO	unsigned char	0–100	%	
		926	SPI	RO	unsigned short	0–65535	W/(m³/h)	
	Verbrauch	927–928	AHU Verbrauch, Tag	RO	unsigned int	0–4294967296	Wh	
		929–930	AHU Verbrauch, Monat	RO	unsigned int	0–4294967296	Wh	
		931–932	AHU Verbrauch, gesamt	RO	unsigned int	0–4294967296	Wh	
		933–934	Zusätzlicher Luftheizer Verbrauch, Tag	RO	unsigned int	0–4294967296	Wh	
		935–936	Zusätzlicher Luftheizer Verbrauch, Monat	RO	unsigned int	0–4294967296	Wh	
		937–938	Zusätzlicher Luftheizer Verbrauch, gesamt	RO	unsigned int	0–4294967296	Wh	
		939–940	Zurückgewinnung Energie, Tag	RO	unsigned int	0–4294967296	Wh	
		941–942	Zurückgewinnung Energie, Monat	RO	unsigned int	0–4294967296	Wh	
		943–944	Zurückgewinnung Energie, gesamt	RO	unsigned int	0–4294967296	Wh	
		945	SPI pro Tag	RO	unsigned short	0–65535	W/(m³/h)	
	Panel	946	Panel 1 Temperatur	RO	signed short	-500–1.200	×10 C	
		947	Panel 1 Feuchtigkeit	RO	signed char	0–100	%	
		948	Panel 1 Luftqualität	RO	unsigned short	0–65535	ppm, ppb	
		949	Panel 2 Temperatur	RO	signed short	-500–1.200	×10 C	
		950	Panel 2 Feuchtigkeit	RO	signed char	0–100	%	
		951	Panel 2 Luftqualität	RO	unsigned short	0–65535	ppm, ppb	
		1000–1001	Firmware Version	RO	unsigned int	1–4294967295	Nummer 1 8 bit = 24 Nummer 2 4 bit = 20 Nummer 3 8 bit = 12 Nummer 4 12 bit = 0	18886660 = 1.2.3.4
		1002–1003	Panel 1 Firmware Version	RO	unsigned int	1–4294967295	Nummer 1 8 bit = 24 Nummer 2 4 bit = 20 Nummer 3 8 bit = 12 Nummer 4 12 bit = 0	18886660 = 1.2.3.4
		1004–1005	Panel 2 Firmware Version	RO	unsigned int	1–4294967295	Nummer 1 8 bit = 24 Nummer 2 4 bit = 20 Nummer 3 8 bit = 12 Nummer 4 12 bit = 0	18886660 = 1.2.3.4
		1050	Reset Settings	R/W	unsigned short	0–11	Reset abwesend Einst. = 1 Reset normal Einst. = 2 Reset intensiv Einst. = 3 Reset Boost Einst. = 4 Reset Urlaub Einst. = 5 Reset Überschreibung = 6 Reset Küche Einst. = 7 Reset Feuerst. Einst. = 8 Reset Luftqualitäreinst. = 9 Reset Öko Einst. = 10 Reset erweiterte Einst. = 11	



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