For DVUT units

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
Temperature_setpoint	Temperature setpoint	Analog	20.0	°C	16.0	35.0	0.1	03 -Read Holding Register 06 -Write Holding Register	7	InputOutput
SCH_WR_TempSP	Write temperature setpoint for schedule	Analog	-	°C	0.0	35.0	0.1	03 -Read Holding Register 06 -Write Holding Register	5	InputOutput
SCH_RD_temperature_1	Write temperature setpoint for schedule range 1	Analog	-	°C	0.0	99.0	0.1	03 -Read Holding Register 06 -Write Holding Register	1	InputOutput
SCH_RD_temperature_2	Write temperature setpoint for schedule range 2	Analog	-	°C	0.0	99.0	0.1	03 -Read Holding Register 06 -Write Holding Register	2	InputOutput
SCH_RD_temperature_3	Write temperature setpoint for schedule range 3	Analog	-	°C	0.0	99.0	0.1	03 -Read Holding Register 06 -Write Holding Register	3	InputOutput
SCH_RD_temperature_4	Write temperature setpoint for schedule range 4	Analog	-	°C	0.0	99.0	0.1	03 -Read Holding Register 06 -Write Holding Register	4	InputOutput
Timer_temperature	Set temperature for timer	Analog	21.0	°C	0.0	35.0	0.5	03 -Read Holding Register 06 -Write Holding Register	6	InputOutput

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
Min_air_supply_temp	Minimum supply air temperature	Analog	15.0	°C	5.0	20.0	0.1	03 -Read Holding Register 06 -Write Holding Register	8	InputOutput
Min_Speed_fan_auto	Minimum fan speed in AUTO mode	Analog	20.0	%	20.0	70.0	0.1	03 -Read Holding Register 06 -Write Holding Register	9	InputOutput
Frost_SP	Freeze protection temperature setpoint	Analog	2.0	°C	(-2.0)	10.0	0.1	03 -Read Holding Register 06 -Write Holding Register	11	InputOutput
T_min_after_rec_for_fan	Minimum temperature downstream of the heat exchanger for switching to AUTO mode	Analog	3.0	°C	0.0	9.0	0.1	03 -Read Holding Register 06 -Write Holding Register	12	InputOutput
Timer_OnOff	Turning the timer on/off 0 – timer off 1 – timer on	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	3	InputOutput
SCH_WR_DONE	Write scheduler parameter: 0 -> 1 rising edge – save parameters of the scheduler	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	2	InputOutput
ECO_mode	Open/close bypass: 0 – open 1 – close	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	4	InputOutput
DO1_Pre_Heat	Preheating output: 0 – relay deenergized 1 – relay energized	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	5	InputOutput
DO2_Heating	Reheating output: 0 – relay deenergized 1 – relay energized	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	6	InputOutput

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
Alarm_TE1	External sensor alarm	Boolean	-		0	1	-	02 - Read Discrete Input	13	Output
Alarm_TE2	Supply sensor alarm	Boolean	-		0	1	-	02 - Read Discrete Input	14	Output
Alarm_TE3	Extract sensor alarm	Boolean	-		0	1	-	02 - Read Discrete Input	15	Output
Alarm_TE4	Exhaust sensor alarm	Boolean	-		0	1	-	02 - Read Discrete Input	16	Output
Alarm_Filter	Signal on reaching the maximum number of operating hours of the filter	Boolean	-		0	1	-	02 - Read Discrete Input	12	Output
Alarm_RH_CO2_VOC_sens	RH or CO_2 alarm (by humidity sensor or by CO_2 sensor)	Boolean	-		0	1	-	02 - Read Discrete Input	17	Output
Alarm_Underheat	Actual temperature cannot reach set temperature	Boolean	-		0	1	-	02 - Read Discrete Input	19	Output
Alarm_Heating_termostat	Thermostat alarm on heater (TK60)	Boolean	-		0	1	-	02 - Read Discrete Input	10	Output
Alarm_Frost	Exhaust temperature lower than Frost_SP (frost protection setpoint)	Boolean	-		0	1	-	02 - Read Discrete Input	11	Output
Alarm_Fan1	Supply fan alarm	Boolean	-		0	1	-	02 - Read Discrete Input	18	Output
Alarm_Low_Supply_Air_ Temperature	Low supply air temperature alarm	Boolean	-		0	1	-	02 - Read Discrete Input	20	Output
Res_A_Fan1	Reset supply fan alarm 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	38	InputOutput
Res_A_RH_CO2_VOC	Reset RH or CO_2 alarm (by humidity sensor or CO_2 sensor) 0 -> 1 rising edge - reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	37	InputOutput
Res_A_TE4	Reset exhaust air sensor alarm 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	36	InputOutput
Res_A_TE3	Reset extract air sensor alarm 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	35	InputOutput
Res_A_TE2	Reset supply air sensor alarm 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	34	InputOutput
Res_A_TE1	Reset intake air sensor alarm 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	33	InputOutput

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
Res_A_termostat	Reset alarm of the heater thermostat 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	30	InputOutput
Res_A_underheat	Reset underheating alarm 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	39	InputOutput
Res_A_Low_Supply_ Temperature	Reset alarm at low supply temperature 0 -> 1 rising edge – reset alarm	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	40	InputOutput
Res_filter_timer	Reset filter timer 0 -> 1 rising edge - reset filter timer	Boolean	-		0	1	-	01 - Read Coil 05 - Write Coil	32	InputOutput
Ai1_Temperature_Outdoor	Value corresponding to the signal supplied by the outdoor air sensor connected to the analogue input	Integer	-	°C	-10000	10000	1	04 - Read Input Register	5002	Output
Ai2_Temperature_Supply	Value corresponding to the signal supplied by the supply air sensor connected to the analogue input	Integer	-	°C	-10000	10000	1	04 - Read Input Register	5003	Output
Ai3_Temperature_ Extraction	Value corresponding to the signal supplied by the extract air sensor connected to the analogue input	Integer	-	°C	-10000	10000	1	04 - Read Input Register	5004	Output
Ai4_Temperature_Exhaust	Value corresponding to the signal supplied by the exhaust air sensor connected to the analogue input	Integer	-	°C	-10000	10000	1	04 - Read Input Register	5005	Output
SP_Thr_H_limit	Maximum number of operating hours	Integer	2	h	0	999	1	03 -Read Holding Register 06 -Write Holding Register	5013	InputOutput
SP_Thr_L_limit	Maximum number of operating minutes	Integer	160	min	0	999	1	03 -Read Holding Register 06 -Write Holding Register	5012	InputOutput
Filter_T_Hours_H	Operating hours (thousands)	Integer	0	h	0	999	1	04 - Read Input Register	5010	Output
Filter_T_Hours_L	Operating hours (units)	Integer	0	h	0	999	1	04 - Read Input Register	5009	Output

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
Humidity_value	Humidity value	Integer	-	%	0	99	1	04 - Read Input Register	5014	Output
CO2_value	CO_2 value	Integer	-	ppm	0	9999	1	04 - Read Input Register	5015	Output
CO2_limit	CO_2 limit	Integer	1200	ppm	0	2000	1	03 -Read Holding Register 06 -Write Holding Register	5016	InputOutput
Humidity_limit	Humidity limit	Integer	70	%	0	99	1	03 -Read Holding Register 06 -Write Holding Register	5017	InputOutput
CO2_limit_hyst	CO_2 hysteresis	Integer	100	ppm	0	999	1	03 -Read Holding Register 06 -Write Holding Register	5019	InputOutput
Humidity_limit_hyst	Humidity hysteresis	Integer	5	%	0	99	1	03 -Read Holding Register 06 -Write Holding Register	5011	InputOutput
Auto_1_Vent_0_Heat_2_ ByUser	Change automatic ventilation or heating by the user: 0 – Ventilation 1 – Auto 2 – Heating	Integer	1		0	2	1	03 -Read Holding Register 06 -Write Holding Register	5006	InputOutput
SCH_RD_WeekDay	Reading the day of the week in a schedule: 1 – Mo 2 – Tu 3 – We 4 – Th 5 – Fr 6 – Sa 7 – Su	Integer	-		1	7	1	03 -Read Holding Register 06 -Write Holding Register	5022	InputOutput

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
SCH_RD_StartMinute_1	Range of the first schedule, reading the start minute	Integer	-	min	0	59	1	03 -Read Holding Register 06 -Write Holding Register	5031	InputOutput
SCH_RD_StartHour_1	Range of the first schedule, reading the start hour	Integer	-	h	0	23	1	03 -Read Holding Register 06 -Write Holding Register	5032	InputOutput
Scheduler_mode_ON_OFF	Schedule on/off 0 – Off 1 – On	Integer	-		0	2	1	03 -Read Holding Register 06 -Write Holding Register	5021	InputOutput
User_speed_num	Fan speed: 0 – Off 1 – Speed 1 2 – Speed 2 3 – Speed 3	Integer	0		0	3	1	03 -Read Holding Register 06 -Write Holding Register	5007	InputOutput
Mode_Bypass_Recup	Bypass of the heat exchanger on/off: 0 – Auto 1 – Close manually 2 – Open manually	Integer	0		0	2	1	03 -Read Holding Register 06 -Write Holding Register	5020	InputOutput
SCH_WR_WeekDay	Schedules, write the day of the week 1 – Mo 2 – Tu 3 – We 4 – Th 5 – Fr 6 – Sa 7 – Su	Integer	-		1	7	1	03 -Read Holding Register 06 -Write Holding Register	5023	InputOutput

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
SCH_WR_Daily_Pnum	Write schedule range number (from 1 to 4)	Integer	-		1	4	1	03 -Read Holding Register 06 -Write Holding Register	5024	InputOutput
SCH_WR_StartHour	Write schedule start hour	Integer	-		0	23	1	03 -Read Holding Register 06 -Write Holding Register	5025	InputOutput
SCH_WR_StartMinute	Write schedule start minute	Integer	-		0	59	1	03 -Read Holding Register 06 -Write Holding Register	5026	InputOutput
SCH_WR_FanSpeed	Write fan speed for scheduled operation (0 – Off, Speed 1, Speed 1, Speed 3)	Integer	-		0	3	1	03 -Read Holding Register 06 -Write Holding Register	5027	InputOutput
SCH_RD_StartMinute_2	Read start minute for the 2nd range of the schedule	Integer	-		0	59	1	03 -Read Holding Register 06 -Write Holding Register	5034	InputOutput
SCH_RD_StartHour_2	Read start hour for the 2nd range of the schedule	Integer	-		0	23	1	03 -Read Holding Register 06 -Write Holding Register	5035	InputOutput
SCH_RD_StartMinute_3	Read start minute for the 3rd range of the schedule	Integer	-		0	59	1	03 -Read Holding Register 06 -Write Holding Register	5037	InputOutput
SCH_RD_StartHour_3	Read start hour for the 3nd range of the schedule	Integer	-		0	23	1	03 -Read Holding Register 06 -Write Holding Register	5038	InputOutput

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
SCH_RD_StartMinute_4	Read start minute for the 4th range of the schedule	Integer	-		0	59	1	03 -Read Holding Register 06 -Write Holding Register	5040	InputOutput
SCH_RD_StartHour_4	Read start hour for the 4th range of the schedule	Integer	-		0	23	1	03 -Read Holding Register 06 -Write Holding Register	5041	InputOutput
SCH_RD_speed_1	Read fan speed for the 1st range of the schedule	Integer	-		0	3	1	03 -Read Holding Register 06 -Write Holding Register	5033	InputOutput
SCH_RD_speed_2	Read fan speed for the 2nd range of the schedule	Integer	-		0	3	1	03 -Read Holding Register 06 -Write Holding Register	5036	InputOutput
SCH_RD_speed_3	Read fan speed for the 3rd range of the schedule	Integer	-		0	3	1	03 -Read Holding Register 06 -Write Holding Register	5039	InputOutput
SCH_RD_speed_4	Read fan speed for the 4th range of the schedule	Integer	-		0	3	1	03 -Read Holding Register 06 -Write Holding Register	5042	InputOutput
Timer_Hours	Time in hours for timer	Integer	0	h	0	24	1	03 -Read Holding Register 06 -Write Holding Register	5028	InputOutput
Timer_Minute	Time in minutes for timer	Integer	5	min	0	55	5	03 -Read Holding Register 06 -Write Holding Register	5029	InputOutput

Name	Description	Data type	Pre-set value	Measurement units	Minimum value	Maximum value	Factor	ModBus	BMS-index	BMS-access
Timer_speed	Fan speed setpoint 0 – Off 1 – Speed 1 2 – Speed 2 3 – Speed 3	Integer	0		0	3	1	03 -Read Holding Register 06 -Write Holding Register	5030	InputOutput
Frost_protection_mode	0 – supply fan turned off 1 – bypass opened 2 – enable preheating	Integer	0		0	2	1	03 -Read Holding Register 06 -Write Holding Register	5008	InputOutput
VOC_value	VOC_value	Integer	-	%	0	99	1	04 - Read Input Register	5043	Output
VOC_limit	VOC limit value	Integer	40	%	0	99	1	03 -Read Holding Register 06 -Write Holding Register	5044	InputOutput
VOC_limit_hyst	VOC hysteresis	Integer	5	%	0	99	1	03 -Read Holding Register 06 -Write Holding Register	5045	InputOutput
Modbus ID	1									
Baudrate	19200									
Stop bits	1									
Parity	N									
	The Analog variable type must be divided by 10 to get the correct value with tenths									DVUT v.1.6.0