

BMS parameter table for PCOS004850 module

**For
DUKA ONE Q300-500
units**

Parameter	Minimum value	Maximum value	Pre-set value	Measurement units	BMS address	Read(R)/Write(W)
Analogue parameters						
Scheduler band 1 read, temperature setpoint	0.0	99.0	-	°C	1	R/W
Scheduler band 2 read, temperature setpoint	0.0	99.0	-	°C	2	R/W
Scheduler band 3 read, temperature setpoint	0.0	99.0	-	°C	3	R/W
Scheduler band 3 read, temperature setpoint	0.0	99.0	-	°C	4	R/W
Scheduler write, temperature setpoint	0.0	35.0	-	°C	5	R/W
Setpoint temperature for timer	0.0	35.0	21.0	°C	6	R/W
Temperature setpoint	0.0	35.0	20.0	°C	7	R/W
Integer parameters						
Outdoor temperature	-10000	10000	-	°C	1	R
Supply air temperature	-10000	10000	-	°C	2	R
Extract air temperature	-10000	10000	-	°C	3	R
Temperature downstream of the heat exchanger	-10000	10000	-	°C	4	R
Auto - automatic temperature control Vent - ventilation Heating - forced heating with temperature control	0	2	1		5	R/W
Fan speed	0	3	0		6	R/W
0 - supply fan OFF 1 - damper open 2 - pre-heater activation	0	2	0		7	R/W
Operation hours, units	0	999	0	h	8	R
Operation hours, thousands	0	999	0		9	R
Humidity hysteresis	0	99	5	%	10	R/W
Maximum number of operation minutes	0	999	160		11	R/W
Maximum number of operation hours	0	999	2		12	R/W
Humidity level value	0	99	-	%	13	R
CO ₂ level value	0	9999	-	ppm	14	R
CO ₂ threshold	0	2000	1200	ppm	15	R/W
Humidity threshold	0	99	70	%	16	R/W
Alarm code	0	99	-		17	R/W
CO ₂ hysteresis	0	999	100	ppm	18	R/W
Heat exchanger ON/OFF	0	2	0		19	R/W
Scheduler mode ON/OFF	0	2	-		20	R/W
Day of week read from scheduler	1	7	-		21	R/W
Day of week write to scheduler	1	7	-		22	R/W
Scheduler write band (1 to 4)	1	4	-		23	R/W
Scheduler entry start, hours	0	23	-	h	24	R/W
Scheduler entry start, minutes	0	59	-	m	25	R/W
Fan speed for Scheduler writes (0-OFF,1SP,2SP,3SP)	0	3	-		26	R/W
Timer operation time, hours	0	24	0	h	27	R/W
Timer operation time, minutes	0	55	5	m	28	R/W
Fan speed setpoint for timer operation	0	3	0		29	R/W
Scheduler band 1 read start, minutes	0	59	-	m	30	R/W
Scheduler band 1 read start, hours	0	23	-	h	31	R/W
Scheduler band 1 read, fan speed	0	3	-		32	R/W
Scheduler band 2 read, start time, minutes	0	59	-	m	33	R/W
Scheduler band 2 read, start time, hours	0	23	-	h	34	R/W
Scheduler band 2 read, fan speed	0	3	-		35	R/W
Scheduler band 3 read, start time, minutes	0	59	-	m	36	R/W
Scheduler band 3 read, start time, hours	0	23	-	h	37	R/W
Scheduler band 3 read, fan speed	0	3	-		38	R/W
Scheduler band 4 read, start time, minutes	0	59	-	m	39	R/W
Scheduler band 4 read, start time, hours	0	23	-	h	40	R/W
Scheduler band 4 read, fan speed	0	3	-		41	R/W
Humidity value	0	99	-	%	42	R
Humidity limit	0	99	40	%	43	R/W
Humidity hysteresis	0	99	5	%	44	R/W

Parameter	Minimum value	Maximum value	BMS address
Digital parameters			
Scheduler save confirmation	0	1	1
Scheduler parameter write	0	1	2
Timer ON/OFF	0	1	3
Heat recovery ON/OFF	0	1	4
Heater thermostat alarm	0	1	10
Exhaust duct temperature lower than Frost_SP	0	1	11
Operation hours alarm	0	1	12
Outdoor air temperature sensor alarm	0	1	13
Supply air temperature sensor alarm	0	1	14
Extract air temperature sensor alarm	0	1	15
Exhaust air temperature sensor alarm	0	1	16
RH or CO ₂ sensor alarm	0	1	17
Supply fan alarm	0	1	18
Actual temperature fails to reach setpoint value	0	1	19
Low supply air temperature alarm	0	1	20
Heater thermostat alarm reset	0	1	30
Hour meter reset	0	1	32
Outdoor air sensor alarm reset	0	1	33
Supply air sensor alarm reset	0	1	34
Extract air sensor alarm reset	0	1	35
Exhaust air sensor alarm reset	0	1	36
RH or CO ₂ sensor alarm reset	0	1	37
Supply fan alarm reset	0	1	38
Air underheating alarm reset	0	1	39
Low supply air temperature alarm reset	0	1	40

Alarm parameter table (read-only)

Parameter	Value under normal conditions	Value under alarm conditions	BMS address
Heater thermostat alarm	0	1	10
Exhaust duct temperature lower then Frost_SP	0	1	11
Signal that the maximum number of operating hours has been reached	0	1	12
Outdoor air temperature sensor alarm	0	1	13
Supply air temperature sensor alarm	0	1	14
Extract air temperature sensor alarm	0	1	15
Exhaust air temperature sensor alarm	0	1	16
RH or CO ₂ sensor alarm	0	1	17
Supply fan alarm	0	1	18
Actual temperature fails to reach setpoint value	0	1	19
Low supply air temperature alarm	0	1	20

