

Data point list Modbus/TCP run around coil system

D: important data points
S: system specific data points

default IP address: 192.168.0.180 OR 192.168.0.200
Modbus/TCP port: 502

no.	D/S	group	datapoint	description	R/W	unit	scale	data type	values	register	bit	function code
1	D	system data	eSystemMode	AHU operation mode	R/W			uint	0 = off; 1 = manual mode; 2 = auto mode	32769		(0x03; 0x06)
2	D	system data	nResetErrors	reset all errors, auto returns to 0	R/W			int	1 = reset	32771		(0x03; 0x06)
3	S	setpoints	fTempMinSetpoint	setpoint of the min. air temperature	R/W	°C	10	int		32794		(0x03; 0x06)
4	S	setpoints	fTempMaxSetpoint	setpoint of the max. air temperature	R/W	°C	10	int		32795		(0x03; 0x06)
5	S	setpoints	fHumMinSetpoint	setpoint of the min. air humidity	R/W	%	10	uint		32796		(0x03; 0x06)
6	S	setpoints	fHumMaxSetpoint	setpoint of the max. air humidity	R/W	%	10	uint		32797		(0x03; 0x06)
7	D	setpoints	rInputPowerDemandRac	power demand 0...100% of the run around coil system (standalone only)	R/W	%		uint		32799		(0x03; 0x06)
8	D	setpoints	rSupplyAirFlowRac	supply air volume flow to the run around coil system (standalone only)	R/W	m³/h		uint		32800		(0x03; 0x06)
9	S	settings	fSetTempSUPMin	setpoint of the min. supply air temperature	W	°C	10	int		32808		(0x03; 0x06)
10	S	settings	fSetTempSUPMax	setpoint of the max. supply air temperature	W	°C	10	int		32809		(0x03; 0x06)
11	S	settings	fSetHumSUPMin	setpoint of the min. supply air humidity	W	%rH	10	int		32810		(0x03; 0x06)
12	S	settings	fSetHumSUPMax	setpoint of the max. supply air humidity	W	%rH	10	int		32811		(0x03; 0x06)
13	D	system data	eEventNotification	notification of alarm class	R			uint	0 = no alarm; 1 = warning (B-alarm); 2 = critical (A-alarm)	32769		(0x04)
14	S	measurement data	fTempODA	present value outdoor air temperature	R	°C	0.1	int		32791		(0x04)
15	S	measurement data	fTempSUP	present value supply air temperature	R	°C	0.1	int		32792		(0x04)
16	S	measurement data	fTempETA	present value extracted air temperature	R	°C	0.1	int		32793		(0x04)
17	S	measurement data	fHumODA	present value outdoor air humidity	R	%rH	0.1	uint		32795		(0x04)
18	S	measurement data	fHumSUP	present value supply air humidity	R	%rH	0.1	uint		32796		(0x04)
19	S	measurement data	fHumETA	present value extracted air humidity	R	%rH	0.1	uint		32797		(0x04)
20	S	supply air fan	fFanMeaAirFlowSUP	present value supply airflow	R	m³/h		uint		32875		(0x04)
21	S	extract air fan	fFanMeaAirFlowETA	present value extract airflow	R	m³/h		uint		32885		(0x04)
28	D	current operation mode	eOperationMode	current operation mode of the air handling unit.	R			uint	0 = off; 1 = standby; 2 = control; 7 = manual	32942		(0x04)
29	D	rac	bReleasePump	pump release	R			bool	TRUE = on	32960	0	(0x04)
36	D	rac	bMsgNoRecovery	heat recovery is currently not possible (prio=2)	R			bool	TRUE = alarm	32960	7	(0x04)
42	D	rac	bStateHeatExchangerOperation	state of the operation signal be released	R			bool	TRUE = on	32960	13	(0x04)
44	S	rac	bStateCoolingFeed	state of the cooling feed feeding is active	R			bool	TRUE = on	32960	15	(0x04)
45	S	rac	bStateHeatingFeed	state of the heating feed feeding is active	R			bool	TRUE = on	32961	0	(0x04)
51	D	rac	rActuatingValuePump	controlled value pump speed	R	%		uint		32962		(0x04)
52	D	rac	rActuatingValuePowerValve	controlled value run around coil power valve	R	%		uint		32963		(0x04)
53	S	rac	rActuatingValueFrostProtectionValve	controlled value run around coil frost protection valve	R	%		uint		32964		(0x04)
59	D	rac	rBrineVolumeFlow	present value brine volume flow	R	m³/h	0.01	uint		32970		(0x04)
60	S	rac	rThermalPowerSUP	current value thermal power of the fresh air heat exchanger	R	kW		int		32971		(0x04)
61	S	rac	rThermalPowerETA	current value thermal power of the exhaust air heat exchanger	R	kW		int		32972		(0x04)
62	S	rac	rThermalPowerFeedHeat	current value thermal power of the heating feed	R	kW		int		32973		(0x04)
63	S	rac	rThermalPowerFeedCool	current value thermal power of the cooling feed	R	kW		int		32974		(0x04)
64	S	rac	rActuatingValueFeedCoolingValve	controlled value run around coil cooling feed valve	R	%		uint		32975		(0x04)
65	S	rac	rActuatingValueFeedHeatingValve	controlled value run around coil heating feed valve	R	%		uint		32976		(0x04)
73	S	loop controller temperature	fSupTempSetpointCurrent	current supply air temperature setpoint	R	°C	0.1	uint		33095		(0x04)
74	S	loop controller temperature	fSupTempCurrentValue	present value supply air temperature	R	°C	0.1	uint		33096		(0x04)

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82	S	loop controller humidity	fSupHumSetpointCurrent	current supply air humidity setpoint	R	g/kg	0.01	uint		33114		(0x04)
83	S	loop controller humidity	fSupHumCurrentValue	present value supply air humidity	R	g/kg	0.01	uint		33115		(0x04)