Data point list Modbus/TCP run around coil system

TROX® TECHNIK
The art of handling air

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default BACnet Device ID: 105001

D: important data points
S: system specific data points

no.	D/S	group	object name	description	R/W	unit	object type	values	object instance
1	D	**system data**	bInResetErrors	reset all errors	W		4 (BO)	ACTIVE = reset	2
2	D	**system data**	eInSystemMode	AHU operation mode	W	(95)	1 (AO)	0 = off; 1 = manual mode; 2 = auto mode	5
3	S	**setpoints**	fInSPTempMin	setpoint of the min. air temperature	W	°C (62)	1 (AO)		10
4	S	**setpoints**	fInSPTempMax	setpoint of the max. air temperature	W	°C (62)	1 (AO)		11
5	S	**setpoints**	fInSPHumMin	setpoint of the min. air humidity	W	g/kg (28)	1 (AO)		12
6	D	**setpoints**	fInSPHumMax	setpoint of the max. air humidity	W	g/kg (28)	1 (AO)		13
7	D	**setpoints**	fInPowerDemandRac	power demand 0…100% of the run around coil system (standalone only)	W	% (98)	1 (AO)		19
8	S	**setpoints**	fInSupplyAirFlowRac	supply air volume flow to the run around coil system (standalone only)	W	m³/h (135)	1 (AO)		20
9	S	**settings**	fInSPTempSUPMin	setpoint of the min. supply air temperature	W	°C (62)	1 (AO)		14
10	S	**settings**	fInSPTempSUPMax	setpoint of the max. supply air temperature	W	°C (62)	1 (AO)		15
11	S	**settings**	fInSPHumSUPMin	setpoint of the min. supply air humidity	W	g/kg (28)	1 (AO)		16
12	D	**settings**	fInSPHumSUPMax	setpoint of the max. supply air humidity	W	g/kg (28)	1 (AO)		17
13	S	**system data**	eOutEventNotification	notification of alarm class	R	(95)	0 (AI)	0 = no alarm; 1 = warning (B-alarm); 2 = critical (A-alarm)	1
14	S	**measurement data**	fOutPVTempODA	present value outdoor air temperature	R	°C (62)	0 (AI)		2
15	S	**measurement data**	fOutPVTempSUP	present value supply air temperature	R	°C (62)	0 (AI)		3
16	S	**measurement data**	fOutPVTempETA	present value extracted air temperature	R	°C (62)	0 (AI)		4
17	S	**measurement data**	fOutPVHumODA	present value outdoor air humidity	R	%rF (29)	0 (AI)		6
18	S	**measurement data**	fOutPVHumSUP	present value supply air humidity	R	%rF (29)	0 (AI)		7
19	S	**measurement data**	fOutPVHumETA	present value extracted air humidity	R	%rF (29)	0 (AI)		8
20	S	**supply air fan**	fOutFanSUPPVAirflow	present value supply airflow	R	m³/h (135)	0 (AI)		74
27	D	**modbus comm. error**	bOutComErrSenTempETA	modbus comm. error with the extract air temperature sensor	R		3 (BI)	ACTIVE = ok	583
33	D	**rac**	bOutKVS2MsgMinTempInletETA	exhaust air heat exchanger is frosting (prio=2)	R		3 (BI)	ACTIVE = alarm	595
39	D	**rac**	bOutKVS2MsgAutoPumpOff	auto pump stop (prio=2)	R		3 (BI)	ACTIVE = alarm	591
41	S	**rac**	bOutKVS2StateFastMode	state of the fast cool- or heating mode active	R		3 (BI)	ACTIVE = on	601
42	S	**rac**	bOutKVS2StateCoolingFeed	state of the cooling feed feeding is active	R		3 (BI)	ACTIVE = on	600
48	D	**rac**	fOutKVS2CtrlPump	controlled value pump speed	R	% (98)	0 (AI)		107
49	D	**rac**	fOutKVS2CtrlPowerValve	controlled value run around coil power valve	R	% (98)	0 (AI)		106
50	S	**rac**	fOutKVS2CtrlFrostProtectionValve	controlled value run around coil frost protection valve	R	% (98)	0 (AI)		105
56	D	**rac**	fOutKVS2BrineVolumeFlow	present value brine volume flow	R	m³/h (135)	0 (AI)		108
57	S	**rac**	fOutKVS2ThermalPowerSUP	current value thermal power of the fresh air heat exchanger	R	kW (48)	0 (AI)		114
58	S	**rac**	fOutKVS2ThermalPowerETA	current value thermal power of the exhaust air heat exchanger	R	kW (48)	0 (AI)		115
59	S	**rac**	fOutKVS2ThermalPowerFeedHeat	current value thermal power of the heating feed	R	kW (48)	0 (AI)		116
60	S	**rac**	fOutKVS2ThermalPowerFeedCool	current value thermal power of the cooling feed	R	kW (48)	0 (AI)		117
61	S	**rac**	fOutKVS2CtrlFeedCoolingValve	controlled value run around coil cooling feed valve	R	% (98)	0 (AI)		118
62	S	**rac**	fOutKVS2CtrlFeedHeatingValve	controlled value run around coil heating feed valve	R	% (98)	0 (AI)		119