

Zehnder WHR/ComfoD gateway library

Version : V1.17

Communication objects implemented

Object name	Information in object	data type	Write	Status	Default Status update interval [s]	Usage	Menu & manual reference code	Additional information	Luxe only
volume	Volume control	5	1	1	1	Allowed values: 0, 1, 2, 3, 4 0 = Away 4 = Auto Other values: ignored		The command accepts 4, to trigger the Auto mode, but the status only returns 0 to 3: the actual ventilation speed, even in Auto modus	
volumeMan	Manuel volume control	5	1	1	1	Allowed values: 0, 1, 2, 3 0 = Away Other values: ingored			
volumeAuto	Automatic volume control	1	1	1	1	1 = start Auto modus 0 = Auto off, and set manual speed to actual speed			
volume0	Manuel volume control - Away	1	1	1	1	0, 1 = off, on		Write command only reacts on 1	
volume1	Manuel volume control - pos 1	1	1	1	1	0, 1 = off, on		Write command only reacts on 1	
volume2	Manuel volume control - pos 2	1	1	1	1	0, 1 = off, on		Write command only reacts on 1	
volume3	Manuel volume control - pos 3	1	1	1	1	0, 1 = off, on		Write command only reacts on 1	

Object name	Information in object	data type	Write	Status	Default Status update interval [s]	Usage	Menu & manual reference code	Additional information	Luxe only
Tcomfort	Comfort temperature	9.001	1	1	1	[°C] Allowed range 12-28°C per 0,5 °C Other values within range are rounded to nearest half. Invalid values are dropped.	P41		
airSupply	Supply air	1.011	1	1	5	(des)activates air supply fan			
airExhaust	Extract air	1.011	1	1	5	(des)activates air exhaust fan			
filterReset	Filter timer reset	1	1			1=reset	P77		
errorReset	Error reset (of ComfoD)	1	1			1=reset	P74		
filterTime	filter Dirty weeks	5	1	1	3.600	number of weeks clogged filter alarm	P24		
RS232	RS232 communication mode	5	1	1	-	Do not use unless for specific advanced needs, can disturb normal funtionning. Only use when instructed, 1=only PC, 3=pc_master, 4=pc_logmode, 0=none			
T1	T1	9.001		1	60	[°C]	P45		
T2	T2	9.001		1	60	[°C]	P46		
T3	T3	9.001		1	60	[°C]	P47		
T4	T4	9.001		1	60	[°C]	P48		
Tge	T ground exchanger	9.001		1	60	[°C]	P49	only if sensor is installed	X
Tah	T after heater	9.001		1	60	[°C]	P40	only if sensor is installed	X
Tkh		9.001		1	60	[°C]	P44	only if sensor is installed	X
Tenth	T enthaply	9.001		1	60	[°C]		only if sensor is installed	X
Menth	Moisture enthalpy	5.001		1	60	[%]		only if sensor is installed	X
supplyFan	Supply fan rate	5.001		1	10	[%]	P39		
exhaustFan	Exhaust fan rate	5.001		1	10	[%]	P38		
bypassValve	Bypass valve	5.001		1	10	[%]			
preheatValve	Preheat valve	5.001		1	10	[%]			
errorActual	Error Actual present	1.005		1	60				

Object name	Information in object	data type	Write	Status	Default Status update interval [s]	Usage	Menu & manual reference code	Additional information	Luxe only
errorLast	Error Last present	1.005		1	60		P71-1 - P71-4		
filterDirty	Filter dirty	1.005		1	3600				
errorActualStr	Actual error string	16		1	60	String: diagnostic code from manual			
errorLastStr	Last error string	16		1	60	String: diagnostic code from manual	P71-1 - P71-4		
timerA	Timer A	12		1	3600	[h]			
timer1	Timer 1	12		1	3600	[h]			
timer2	Timer 2	12		1	3600	[h]			
timer3	Timer 3	12		1	3600	[h]			
timerFrost	Timer frost	12		1	3600	[h]			
timerPreheat	Timer Preheat	12		1	3600	[h]			
timerBypass	Timer Bypass	12		1	3600	[h]			
timerFilter	Timer filter	12		1	3600	[h]			
timerFilterWk	Timer filter in weeks	5		1	3600	[weeks]			
errorComm	Communication error	1.005		1	30	RS232 comm error in gateway to WHR unit			
bypassActive	Bypass active	1		1	10		P90-P96		
EWTActive	Ground heat exch active	1		1	10		P90-P96		
frostActive	Frost protection active	1		1	10		P90-P96		
afHeatActive	After heater active	1		1	10		P90-P96		
hoodActive	Hood mode active	1		1	10		P90-P96		
analog AutoMode	Analog Auto mode	1	1	1	60	switches on/off analog auto mode control			X
analog1set	Analog setpoint 1	5.001	1	1	60	[%]	P812		X
analog2set	Analog setpoint 2	5.001	1	1	60	[%]	P822		X
analog3set	Analog setpoint 3	5.001	1	1	60	[%]	P832		X
analog4set	Analog setpoint 4	5.001	1	1	60	[%]	P842		X
analog1value	Analog value 1	5.001		1	60	[%]	P816	only if input is connected	X
analog2value	Analog value 2	5.001		1	60	[%]	P826	only if input is connected	X
analog3value	Analog value 3	5.001		1	60	[%]	P836	only if input is connected	X
analog4value	Analog value 4	5.001		1	60	[%]	P846	only if input is connected	X

Object name	Information in object	data type	Write	Status	Default Status update interval [s]	Usage	Menu & manual reference code	Additional information	Luxe only
exhaustFanVolA	Exhaust Fan Speed setting - A	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P30		
exhaustFanVol1	Exhaust Fan Speed setting - 1	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P31		
exhaustFanVol2	Exhaust Fan Speed setting - 2	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P32		
exhaustFanVol3	Exhaust Fan Speed setting - 3	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P33		
supplyFanVolA	Supply Fan Speed setting - A	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P34		
supplyFanVol1	Supply Fan Speed setting - 1	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P35		
supplyFanVol2	Supply Fan Speed setting - 2	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P36		
supplyFanVol3	Supply Fan Speed setting - 3	5.001	1	1	60	valid [%] values as per manual, invalid values dropped	P37		
boostActive	Boost mode active	1	1	1	10		P17	Menu P17 is status only, however in gateway both write & status	
boostTime	Boost mode duration	5	1	1	3600	valid [min] values as per manual: 0-120; other values dropped	P27		

Note: Status changes are reported to the bus:

- at the preset status update intervals (if modified),
- after a command (for the affected command statuses, if modified),
- upon a status group address read telegram
- every 24h, irrespective of modification

The default status update interval can be modified per Object