

MD Modbus EIB/KNX points

Coils

Modbus	Name	Info	Type	Read	Write	Min/Max	EIB / KNX Group (P/I/S)
1x0000	Stop	Unit run / stop	Coil	R		0 / 1	15/7/1
1x0001	Away	Away function on / off	Coil	R	W	0 / 1	15/7/2
1x0003	Overpressure	Overpressure function on / off	Coil	R	W	0 / 1	15/7/3
1x0004	Cooker hood	Cooker hood indication active / not active	Coil	R		0 / 1	15/7/4
1x0005	Central vacuum cleaner	Central vacuum cleaner indication active / not active	Coil	R		0 / 1	15/7/5
1x0010	Manual boost	Manual boost mode on / off	Coil	R	W	0 / 1	15/7/6
1x0012	Summernight cooling	Summernight cooling function on / off	Coil	R	W	0 / 1	15/7/7
1x0040	eco mode	eco mode on / off	Coil	R	W	0 / 1	15/7/8
1x0041	Alarm A	A alarm indication	Coil	R		0 / 1	15/7/9
1x0042	Alarm B	B alarm indication	Coil	R		0 / 1	15/7/10
1x0047	Silent mode	Silent mode on / off	Coil	R	W	0 / 1	15/7/11

Holding registers

Modbus	Name	Info	Type	Read	Write	Min/Max	EIB / KNX Group (P/I/S)
3x0003	Supply air fan speed	Current supply air fan speed	Holding register	R		0-20%	15/7/20
3x0004	Extract air fan speed	Current extract air fan speed	Holding register	R		0-20%	15/7/21
3x0006	Outside air temperature	Outside air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C	15/7/22
3x0007	HRC Supply air temperature	Supply air temperature measurement after HRC. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C	15/7/23
3x0008	Supply air temperature	Supply air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C	15/7/24
3x0009	Exhaust air temperature	Exhaust air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C	15/7/25
3x0010	Extract air temperature	Extract air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C	15/7/26
3x0011	HRC Extract air temperature	Extract air temperature measurement before to HRC. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C	15/7/27
3x0012	Returnwater temperature	Returnwater temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C	15/7/28
3x0013	Extract air humidity	Extract air humidity measurement.	Holding register	R		0 - 100%	15/7/29
3x0029	HRC supply efficiency	HRC efficiency at supply side.	Holding register	R		0 - 100%	15/7/30
3x0030	HRC exhaust efficiency	HRC efficiency at extract side.	Holding register	R		0 - 100%	15/7/31
3x0035	48h humidity average	Humidity measurement average over past 48h	Holding register	R		0 - 100%	15/7/32
3x0036	Abs humidity	Absolute humidity on twt units = measurement * 10!	Holding register	R		0 - 20g	15/7/33
3x0044	Mode	Current unit running status / mode. Enumeration explained below (MD MODE)	Holding register	R		enum	15/7/34
3x0045	Temperature step	Current temperature control step active, 0=None ventilation only, 1=Cooling, 2=Heat recovery only, 4=Heating, 6=Summer night cooling, 7=Starting up	Holding register	R		enum	15/7/35
3x0049	Controller output	Current supply air temperature controller output. -100 - 0=Cooling, 0 - 100=HRC, 100 - 200=Heating, 200 - 300=Heating step 2	Holding register	R	W	-100 - 300	15/7/36
3x0135	Temperature setpoint	The desired temperature setpoint for the controller set by user	Holding register	R	W	0 - 500	15/7/37
3x0215	Week timer program 1/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/38
3x0221	Week timer program 2/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/39
3x0227	Week timer program 3/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/40
3x0233	Week timer program 4/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/41
3x0239	Week timer program 5/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/42
3x0245	Week timer program 6/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/43
3x0251	Week timer program 7/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/44
3x0257	Week timer program 8/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/45
3x0263	Week timer program 9/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/46
3x0269	Week timer program 10/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/47
3x0275	Week timer program 11/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/48
3x0281	Week timer program 12/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/49
3x0287	Week timer program 13/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/50
3x0293	Week timer program 14/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/51
3x0299	Week timer program 15/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/52
3x0305	Week timer program 16/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/53
3x0311	Week timer program 17/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/54
3x0317	Week timer program 18/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/55
3x0323	Week timer program 19/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/56
3x0329	Week timer program 20/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Heating blocked, 3=Cooling blocked, 4=Temperature drop, 5=Max heating, 6=Max cooling, 7=DO time relay, 16=Manual boost mode, 30=Run time (only office mode units)	Holding register	R	W	0 - 100	15/7/57

MD EIB/KNX bus settings

Connection RS485
 Baud rate 19200
 EIB Physical Address 1.1.255
 Slave address 1

Enumerations

MD MODE	
Home mode	0
Max. cooling	1
Max. heating	2
Alarm A	4
Stop mode	8
Away mode	16
Temperature boost	64
CO ₂ boosting	128
%RH boosting	256
Manual boost	512
Overpressure mode	1024
Cooker hood on	2048
Central vacuum cleaner on	4096
Electrical heater cool off in Stop mode	8192
Summer night cooling	16384
Defrosting	32768

Using the weektimer program via EIB/KNX bus

Weektimer time settings are made trough MD control panel.
 You choose the time and days for the weektimer to be active.
 You can pre-program all 20 weektimers with desired times for different functions.
 The functions have their own numbers corresponding the function.
 The function corresponding numbers are presented in the table above.
 You choose the function trough EIB bus whereby the weektimer in question becomes active.

Example:

Following settings have been made for Weektimer 1, On time, trough MD control panel:
11:00 - 20:00
Mo Tu We

Trough EIB/KNX bus you choose number 1 for Weektimer 1 program (P/I/S 15/7/38).

Now the unit is in Away state from Monday to Wednesday between 11:00 and 20:00.

If you wish not to use the weektimer anymore, you change the number for Weektimer 1 to 0, trough EIB/KNX bus (P/I/S 15/7/38).