

## EDA Modbus EIB/KNX points

Coils								
Modbus	Name	Info	Type	Read	Write	Min/Max	EIB / KNX Group (P/I/S)	
1x0001	Away	Away function on / off	Coil	R	W	0 / 1		1/1/0
1x0002	Away long	Away long function on / off	Coil	R	W	0 / 1		1/1/1
1x0003	Overpressure	Overpressure function on / off	Coil	R	W	0 / 1		1/1/2
1x0006	Max heating	Max heating function on / off	Coil	R	W	0 / 1		1/1/3
1x0007	Max cooling	Max cooling function on / off	Coil	R	W	0 / 1		1/1/4
1x0010	Manual forcing	Manual forcing function on / off	Coil	R	W	0 / 1		1/1/5
1x0012	Summernight cooling	Summernight cooling function on / off	Coil	R	W	0 / 1		1/1/6
1x0041	Alarm A	A alarm indication	Coil	R		0 / 1		1/1/7
1x0042	Alarm B	B alarm indication	Coil	R		0 / 1		1/1/8

Holding registers								
Modbus	Name	Info	Type	Read	Write	Min/Max	EIB / KNX Group (P/I/S)	
3x0006	Outside air temperature	Outside air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/0
3x0007	HRC Supply air temperature	Supply air temperature measurement subsequent to HRC. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/1
3x0008	Supply air temperature	Supply air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/2
3x0009	Waste air temperature	Waste air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/3
3x0010	Exhaust air temperature	Exhaust air temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/4
3x0011	HRC Exhaust air temperature	Exhaust air temperature measurement prior to HRC (Heat pump units). Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/5
3x0012	Returnwater temperature	Returnwater temperature measurement. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/6
3x0013	Exhaust air humidity	Exhaust air humidity measurement.	Holding register	R		0 - 100%		1/2/7
3x0029	HRC supply efficiency	HRC efficiency at supply side.	Holding register	R		0 - 100%		1/2/8
3x0030	HRC exhaust efficiency	HRC efficiency at exhaust side.	Holding register	R		0 - 100%		1/2/9
3x0035	48h humidity average	Humidity measurement average over past 48h	Holding register	R		0 - 100%		1/2/10
3x0046	Room temperature average	Room temperature average counted from all room sensors in use. Register value = temperature measurement * 10!	Holding register	R		-40 - 50 °C		1/2/11
3/16x0063	Ventilation output	Requested ventilation output (requested from operating panel)	Holding register	R	W	20 - 100		1/3/0
3/16x0135	Temperature request	Temperature setpoint for corresponding control type	Holding register	R	W	10 - 40 °C		1/3/1
3/16x0215	Week timer program 1/20 function	Week timer 1 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/0
3/16x0221	Week timer program 2/20 function	Week timer 2 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/1
3/16x0227	Week timer program 3/20 function	Week timer 3 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/2
3/16x0233	Week timer program 4/20 function	Week timer 4 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/3
3/16x0239	Week timer program 5/20 function	Week timer 5 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/4
3/16x0245	Week timer program 6/20 function	Week timer 6 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/5
3/16x0251	Week timer program 7/20 function	Week timer 7 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/6
3/16x0257	Week timer program 8/20 function	Week timer 8 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/7
3/16x0263	Week timer program 9/20 function	Week timer 9 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/8
3/16x0269	Week timer program 10/20 function	Week timer 10 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/9
3/16x0275	Week timer program 11/20 function	Week timer 11 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/10
3/16x0281	Week timer program 12/20 function	Week timer 12 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/11
3/16x0287	Week timer program 13/20 function	Week timer 13 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/12
3/16x0293	Week timer program 14/20 function	Week timer 14 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/13
3/16x0299	Week timer program 15/20 function	Week timer 15 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/14
3/16x0305	Week timer program 16/20 function	Week timer 16 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/15
3/16x0311	Week timer program 17/20 function	Week timer 17 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/16
3/16x0317	Week timer program 18/20 function	Week timer 18 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/17
3/16x0323	Week timer program 19/20 function	Week timer 19 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/18
3/16x0329	Week timer program 20/20 function	Week timer 20 timeprogram function, 0=No function, 1=Away function, 2=Away long function, 3=Heating blocked, 4=Cooling blocked, 5=Temperature drop, 6=Max heating, 7=Max cooling, 8-15=AC fan speed 1-8, 16=DO time relay, 20-100=EC fan speed 20-100%	Holding register	R	W	0 - 100		1/4/19

## EDA EIB/KNX bus settings

Connection RS485  
 Baud rate 19200  
 EIB Physical Address 1.1.250  
 Slave address 1

### Using the weektimer program via EIB/KNX bus

Weektimer time settings are made trough EDA 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 EDA control panel:

**11:00 - 20:00**  
**Mo Tu We**

Trough EIB/KNX bus you choose nubet 2 for Weektimer 1 program (P/I/S 1/4/0).

Now the unit is in Away long 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 1/4/0).