Title: **BACnet Browser EDE Export**

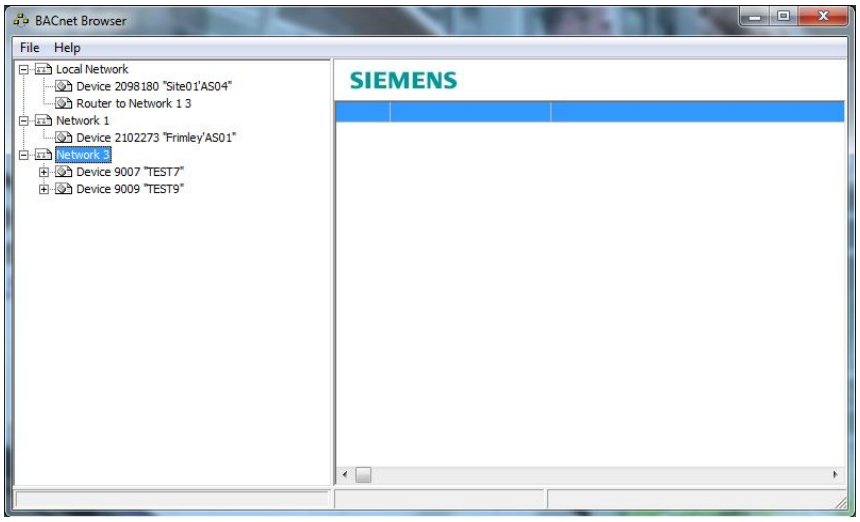
Step By Step Guide

Contents

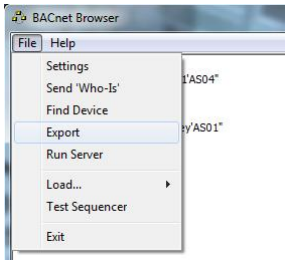
1. BACnet Browser.

1.1 Creating Export EDE file

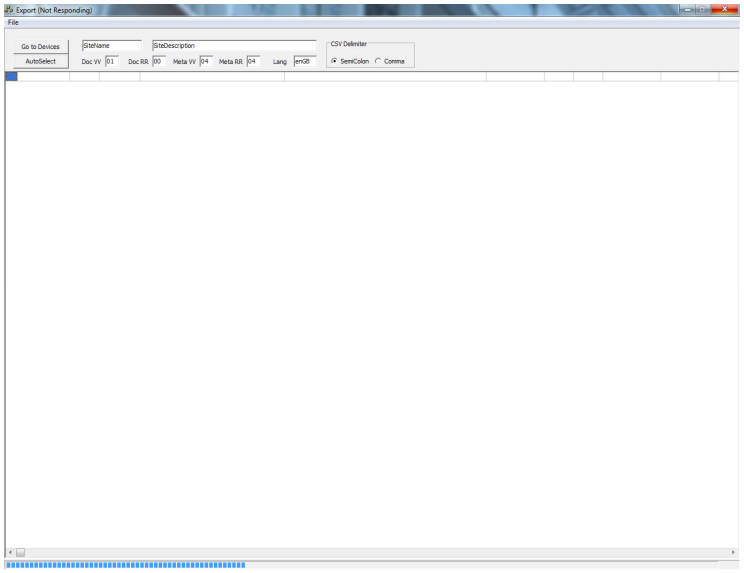
Open BACnet Browser and send who is to discover the controllers on the BACnet network.
Click on the devices that the BACnet points are required from. A plus then appears next to the Device



Then select File and Export

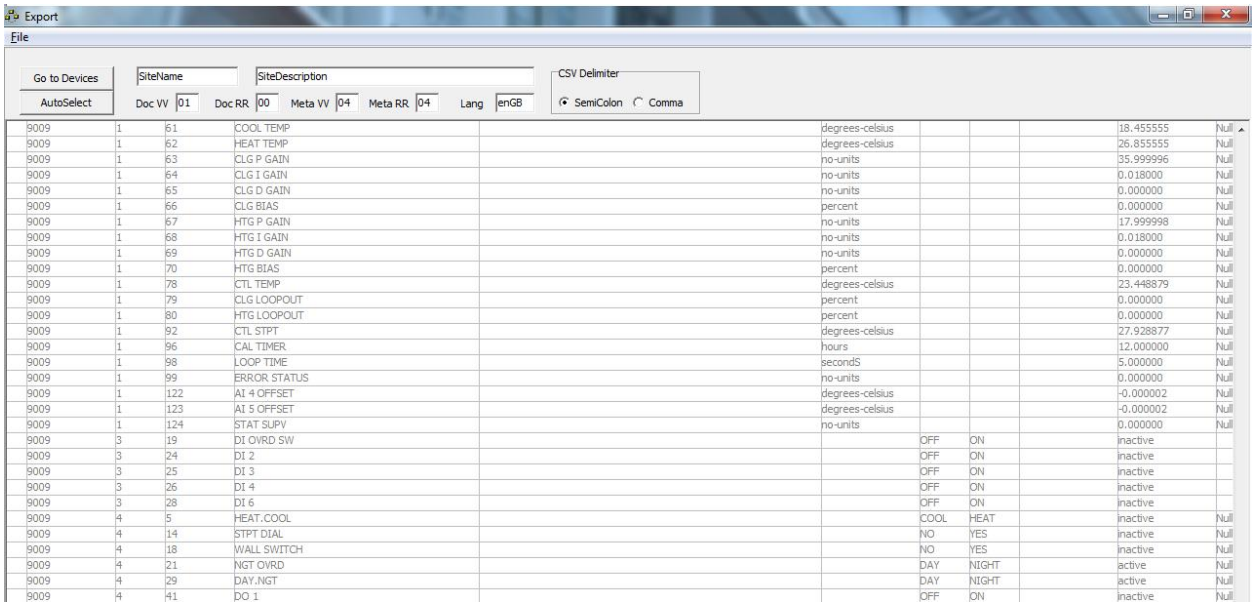


You are then taken to the Export window:



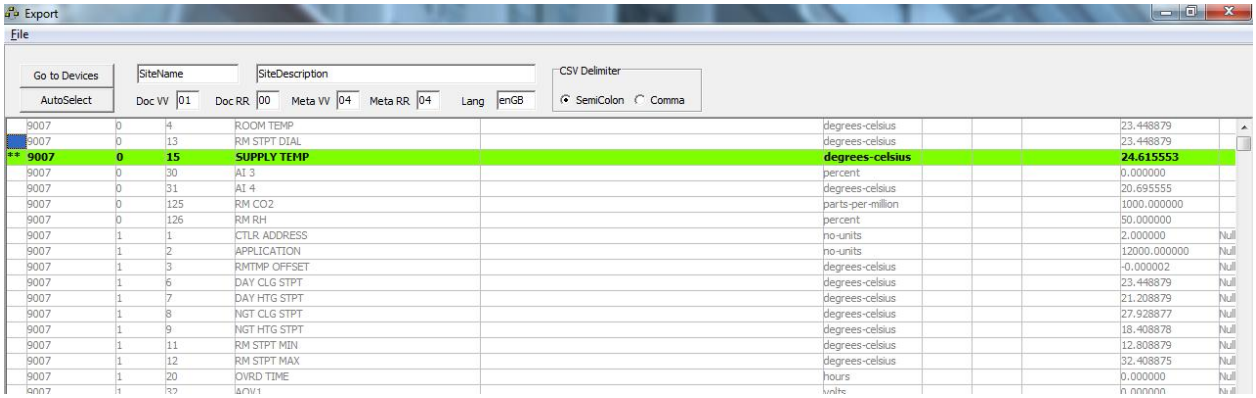
A progress bar will be displayed at the bottom of the window while the information is gathered.

Once the points have been found they will be listed as below:



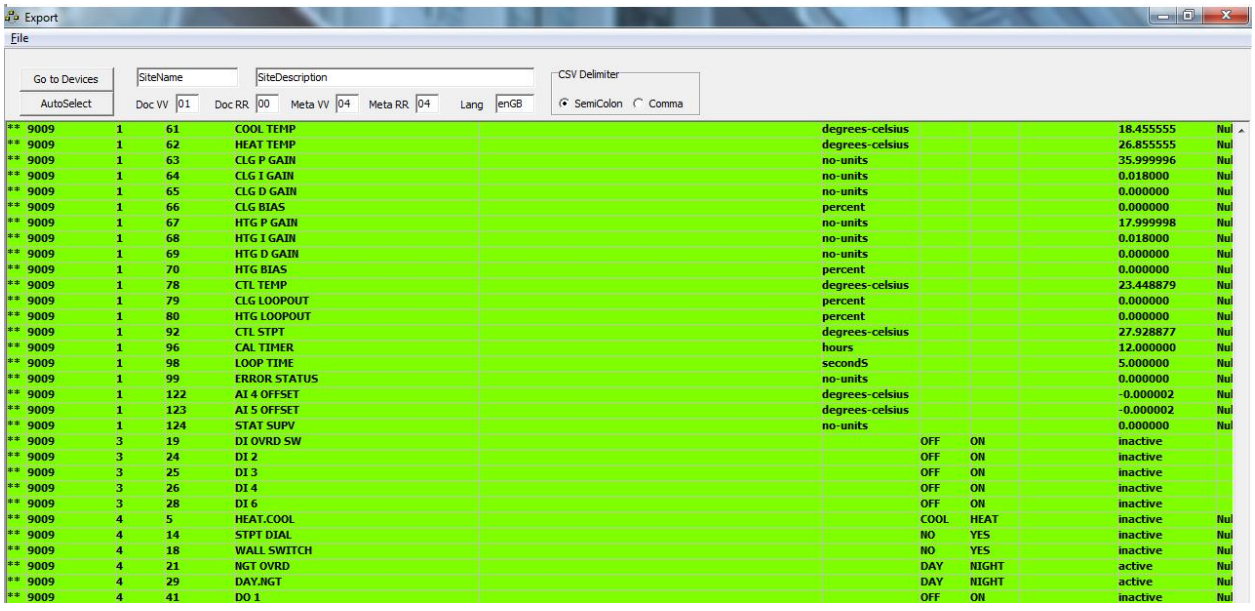
9009	1	61	COOL TEMP		degrees-celsius				18.455555	Null
9009	1	62	HEAT TEMP		degrees-celsius				26.855555	Null
9009	1	63	CLG P GAIN		no-units				35.999996	Null
9009	1	64	CLG I GAIN		no-units				0.018000	Null
9009	1	65	CLG D GAIN		no-units				0.000000	Null
9009	1	66	CLG BIAS		percent				0.000000	Null
9009	1	67	HTG P GAIN		no-units				17.999998	Null
9009	1	68	HTG I GAIN		no-units				0.018000	Null
9009	1	69	HTG D GAIN		no-units				0.000000	Null
9009	1	70	HTG BIAS		percent				0.000000	Null
9009	1	78	CTL TEMP		degrees-celsius				23.448879	Null
9009	1	79	CLG LOOPOUT		percent				0.000000	Null
9009	1	80	HTG LOOPOUT		percent				0.000000	Null
9009	1	92	CTL STPT		degrees-celsius				27.928877	Null
9009	1	96	CAL TIMER		hours				12.000000	Null
9009	1	98	LOOP TIME		secondS				5.000000	Null
9009	1	99	ERROR STATUS		no-units				0.000000	Null
9009	1	122	AI 4 OFFSET		degrees-celsius				-0.000002	Null
9009	1	123	AI 5 OFFSET		degrees-celsius				-0.000002	Null
9009	1	124	STAT SUPV		no-units				0.000000	Null
9009	3	19	DI OVRD SW			OFF	ON		inactive	
9009	3	24	DI 2			OFF	ON		inactive	
9009	3	25	DI 3			OFF	ON		inactive	
9009	3	26	DI 4			OFF	ON		inactive	
9009	3	28	DI 6			OFF	ON		inactive	
9009	4	5	HEAT.COOL			COOL	HEAT		inactive	Null
9009	4	14	STPT DIAL			NO	YES		inactive	Null
9009	4	18	WALL SWITCH			NO	YES		inactive	Null
9009	4	21	NGT OVRD			DAY	NIGHT		active	Null
9009	4	29	DAY.NGT			DAY	NIGHT		active	Null
9009	4	41	DO 1			OFF	ON		inactive	Null

The points can be manually selected by individually clicking on the row to the left of the device number:



9007	0	4	ROOM TEMP		degrees-celsius				23.448879	
9007	0	13	RM STPT DIAL		degrees-celsius				23.448879	
**9007	**0	**15	**SUPPLY TEMP		**degrees-celsius				**24.615553	
9007	0	30	AI 3		percent				0.000000	
9007	0	31	AI 4		degrees-celsius				20.695555	
9007	0	125	RM CO2		parts-per-million				1000.000000	
9007	0	126	RM RH		percent				50.000000	
9007	1	1	CTLR ADDRESS		no-units				2.000000	Null
9007	1	2	APPLICATION		no-units				12000.000000	Null
9007	1	3	RMTMP OFFSET		degrees-celsius				-0.000002	Null
9007	1	6	DAY CLG STPT		degrees-celsius				23.448879	Null
9007	1	7	DAY HTG STPT		degrees-celsius				21.208879	Null
9007	1	8	NGT CLG STPT		degrees-celsius				27.928877	Null
9007	1	9	NGT HTG STPT		degrees-celsius				18.408878	Null
9007	1	11	RM STPT MIN		degrees-celsius				12.808879	Null
9007	1	12	RM STPT MAX		degrees-celsius				32.408875	Null
9007	1	20	OVRD TIME		hours				0.000000	Null
9007	1	32	AOV1		volts				0.000000	Null

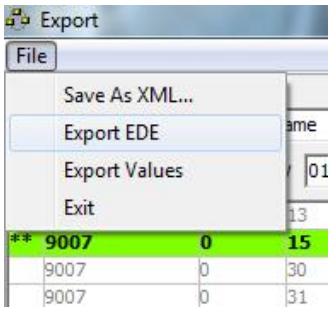
Or the AutoSelect button can be clicked which selects all suitable points:



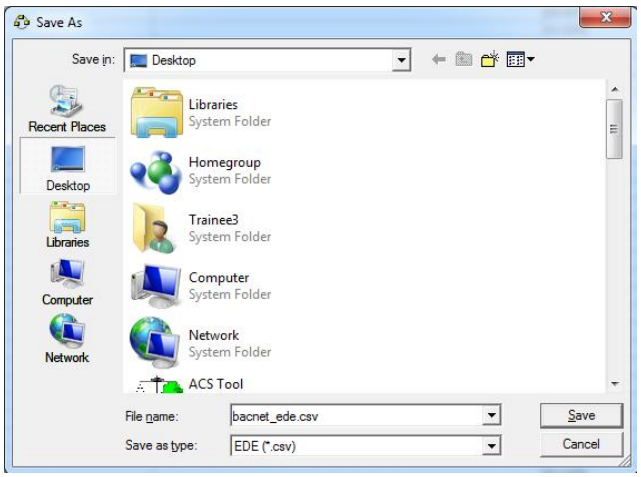
** 9009	1	61	COOL TEMP		degrees-celsius				18.455555	Nul
** 9009	1	62	HEAT TEMP		degrees-celsius				26.855555	Nul
** 9009	1	63	CLG P GAIN		no-units				35.999996	Nul
** 9009	1	64	CLG I GAIN		no-units				0.018000	Nul
** 9009	1	65	CLG D GAIN		no-units				0.000000	Nul
** 9009	1	66	CLG BIAS		percent				0.000000	Nul
** 9009	1	67	HTG P GAIN		no-units				17.999998	Nul
** 9009	1	68	HTG I GAIN		no-units				0.018000	Nul
** 9009	1	69	HTG D GAIN		no-units				0.000000	Nul
** 9009	1	70	HTG BIAS		percent				0.000000	Nul
** 9009	1	78	CTL TEMP		degrees-celsius				23.448879	Nul
** 9009	1	79	CLG LOOPOUT		percent				0.000000	Nul
** 9009	1	80	HTG LOOPOUT		percent				0.000000	Nul
** 9009	1	92	CTL STPT		degrees-celsius				27.928877	Nul
** 9009	1	96	CAL TIMER		hours				12.000000	Nul
** 9009	1	98	LOOP TIME		secondS				5.000000	Nul
** 9009	1	99	ERROR STATUS		no-units				0.000000	Nul
** 9009	1	122	AI 4 OFFSET		degrees-celsius				-0.000002	Nul
** 9009	1	123	AI 5 OFFSET		degrees-celsius				-0.000002	Nul
** 9009	1	124	STAT SUPV		no-units				0.000000	Nul
** 9009	3	19	DI OVRD SW			OFF	ON		inactive	
** 9009	3	24	DI 2			OFF	ON		inactive	
** 9009	3	25	DI 3			OFF	ON		inactive	
** 9009	3	26	DI 4			OFF	ON		inactive	
** 9009	3	28	DI 6			OFF	ON		inactive	
** 9009	4	5	HEAT.COOL			COOL	HEAT		inactive	Nul
** 9009	4	14	STPT DIAL			NO	YES		inactive	Nul
** 9009	4	18	WALL SWITCH			NO	YES		inactive	Nul
** 9009	4	21	NGT OVRD			DAY	NIGHT		active	Nul
** 9009	4	29	DAY.NGT			DAY	NIGHT		active	Nul
** 9009	4	41	DO 1			OFF	ON		inactive	Nul

Any points that are not required can be deselected by clicking the row.

Once the correct points have been chosen select File then Export EDE:



You will then need to save the file:

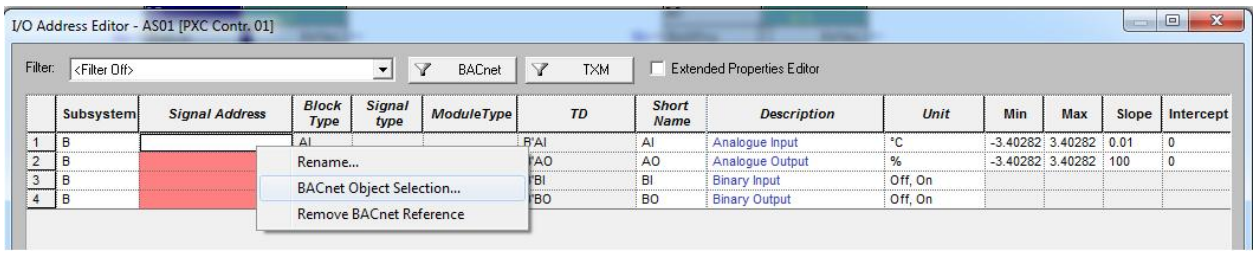


2. XWP V5 EDE Import

2.1 CFC BACnet EDE Import

The file can then be imported using the I/O Address editor in CFC.

The I/O blocks need to be added from the library to suit the BACnet points being integrated.
Once this has been done right click on a block and go to Edit I/O Addresses.

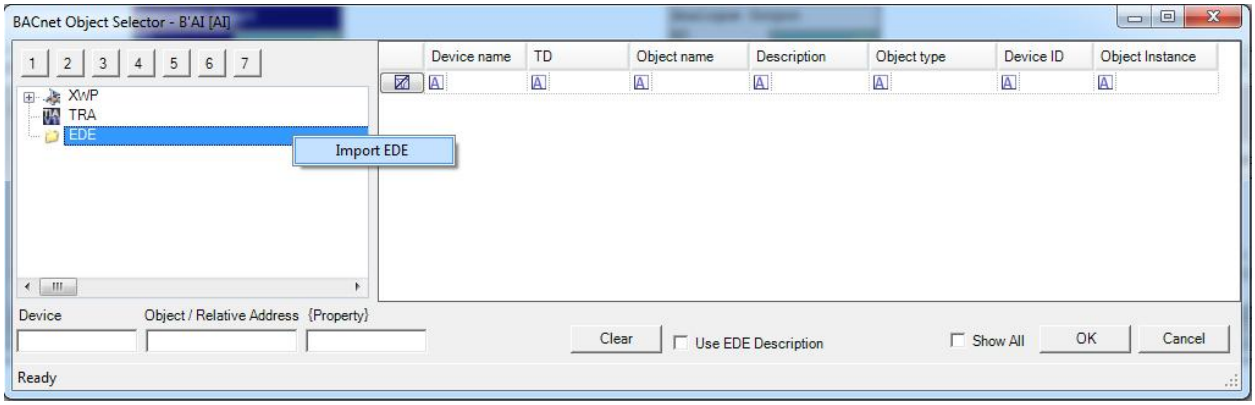


Select BACnet as the Subsystem (B)

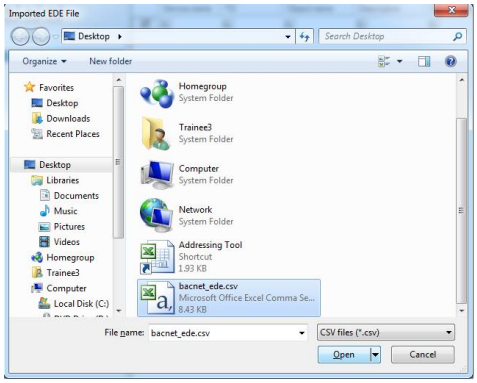
Then right click on the signal address and select BACnet Object Selection.

This will open the BACnet reference browser

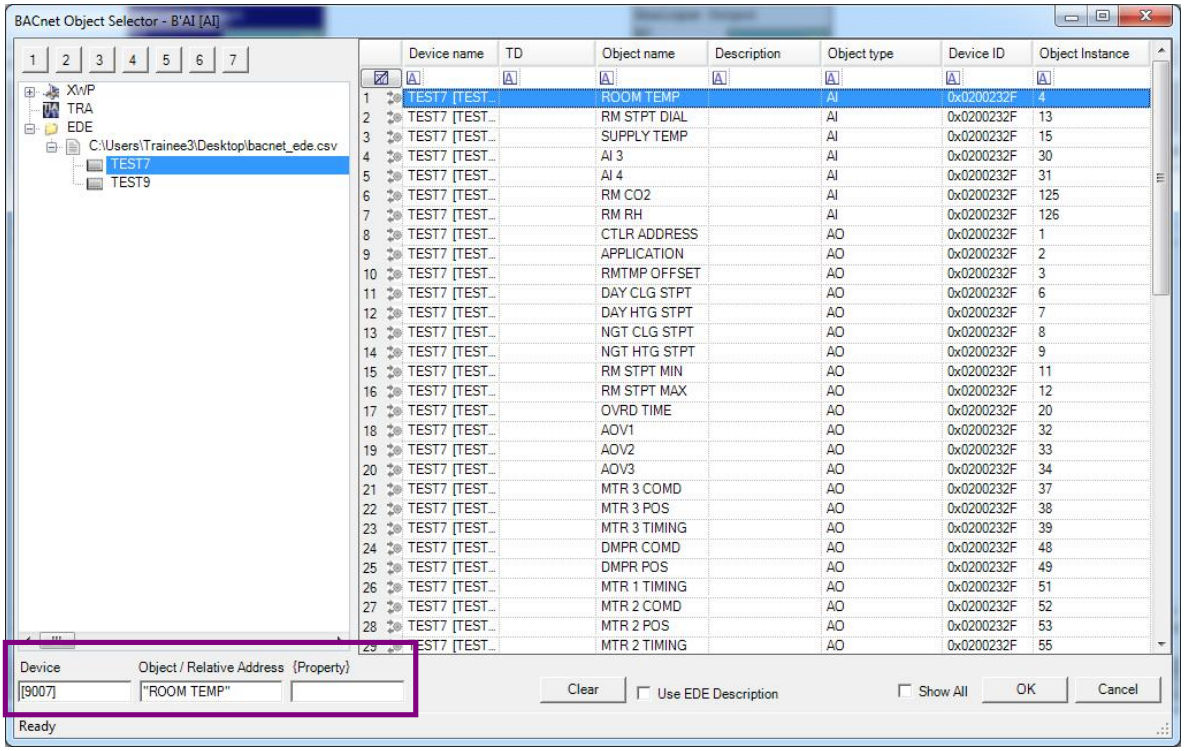
Right Click on the EDE Folder and select Import EDE



Then select the EDE file to be imported and click open

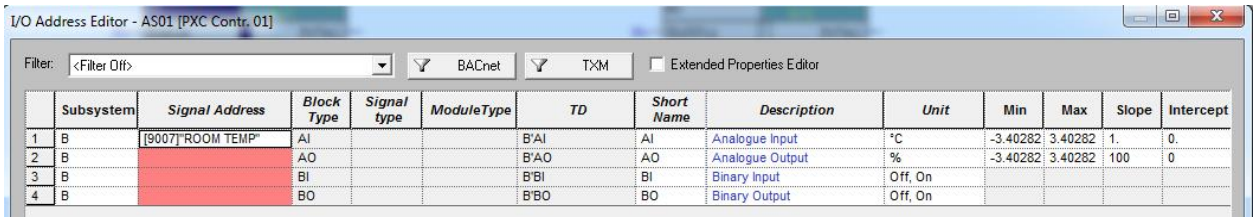


The list of BACnet points are then available.



Highlight the point required, the BACnet address is shown in the Object/ Relative Address at the bottom of the window. Select ok to choose the point.

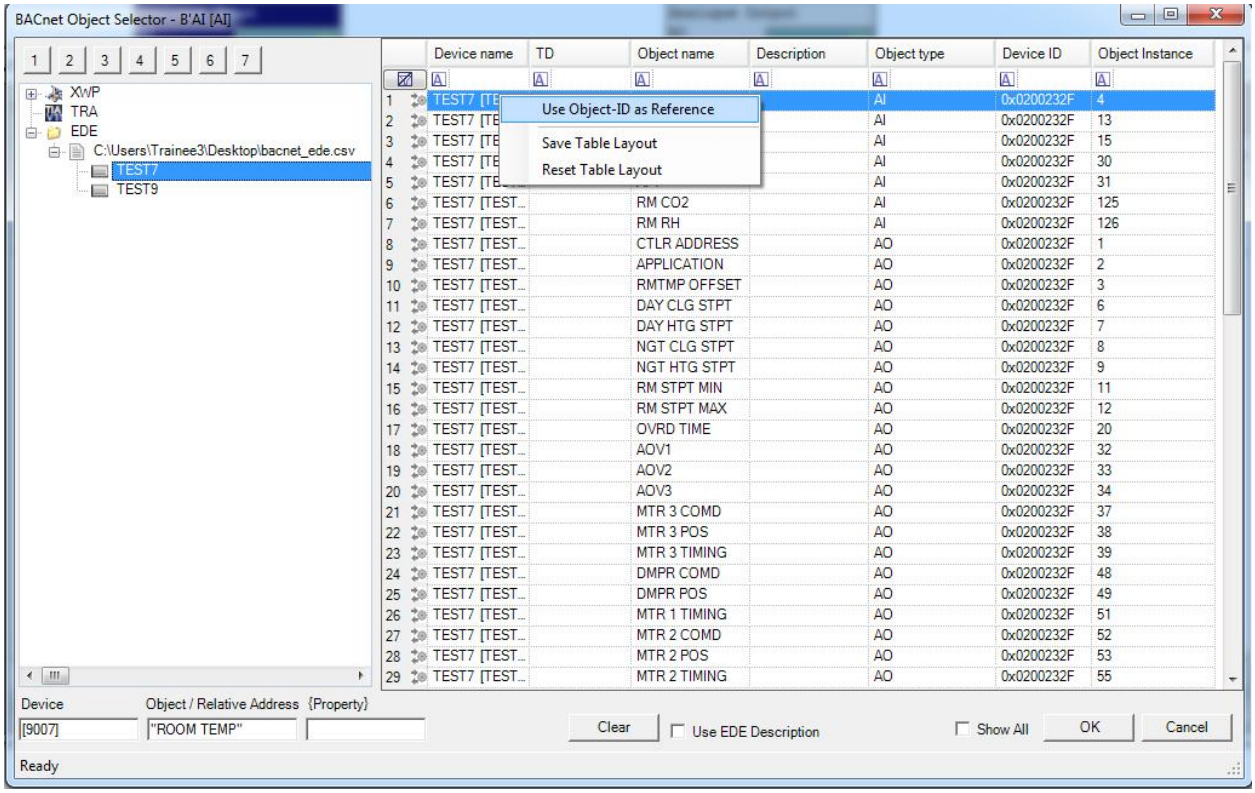
This then pulls the address though with the BACnet reference with the object description.
The Slope and intercept for the Analogue value are also then set to the correct values (1 and 0 respectivly)



	Subsystem	Signal Address	Block Type	Signal type	ModuleType	TD	Short Name	Description	Unit	Min	Max	Slope	Intercept
1	B	[9007]"ROOM TEMP"	AI			B'AI	AI	Analogue Input	°C	-3.40282	3.40282	1.	0.
2	B		AO			B'AO	AO	Analogue Output	%	-3.40282	3.40282	100	0
3	B		BI			B'BI	BI	Binary Input	Off, On				
4	B		BO			B'BO	BO	Binary Output	Off, On				

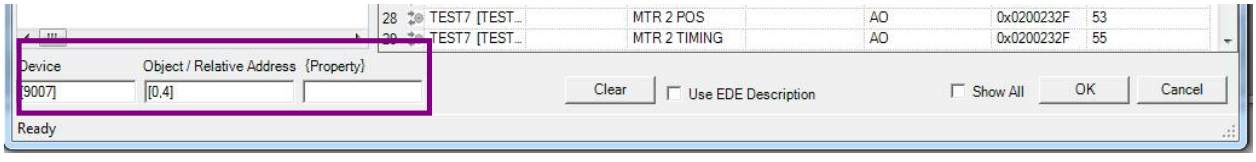
Alternatively the reference can be pulled through in Absolute format:

In BACnet Object Selector. Hihighlight the point you wish to use and right click.
Select Use Object-ID as Reference.

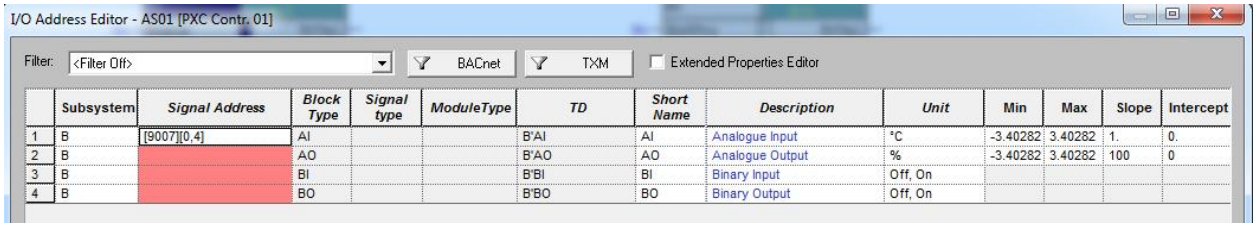


	Device name	TD	Object name	Description	Object type	Device ID	Object Instance
1	TEST7 [TE				AI	0x0200232F	4
2	TEST7 [TE				AI	0x0200232F	13
3	TEST7 [TE				AI	0x0200232F	15
4	TEST7 [TE				AI	0x0200232F	30
5	TEST7 [TE				AI	0x0200232F	31
6	TEST7 [TEST...		RM CO2		AI	0x0200232F	125
7	TEST7 [TEST...		RM RH		AI	0x0200232F	126
8	TEST7 [TEST...		CTLR ADDRESS		AO	0x0200232F	1
9	TEST7 [TEST...		APPLICATION		AO	0x0200232F	2
10	TEST7 [TEST...		RMTMP OFFSET		AO	0x0200232F	3
11	TEST7 [TEST...		DAY CLG STPT		AO	0x0200232F	6
12	TEST7 [TEST...		DAY HTG STPT		AO	0x0200232F	7
13	TEST7 [TEST...		NGT CLG STPT		AO	0x0200232F	8
14	TEST7 [TEST...		NGT HTG STPT		AO	0x0200232F	9
15	TEST7 [TEST...		RM STPT MIN		AO	0x0200232F	11
16	TEST7 [TEST...		RM STPT MAX		AO	0x0200232F	12
17	TEST7 [TEST...		OVRD TIME		AO	0x0200232F	20
18	TEST7 [TEST...		AOV1		AO	0x0200232F	32
19	TEST7 [TEST...		AOV2		AO	0x0200232F	33
20	TEST7 [TEST...		AOV3		AO	0x0200232F	34
21	TEST7 [TEST...		MTR 3 COMD		AO	0x0200232F	37
22	TEST7 [TEST...		MTR 3 POS		AO	0x0200232F	38
23	TEST7 [TEST...		MTR 3 TIMING		AO	0x0200232F	39
24	TEST7 [TEST...		DMPR COMD		AO	0x0200232F	48
25	TEST7 [TEST...		DMPR POS		AO	0x0200232F	49
26	TEST7 [TEST...		MTR 1 TIMING		AO	0x0200232F	51
27	TEST7 [TEST...		MTR 2 COMD		AO	0x0200232F	52
28	TEST7 [TEST...		MTR 2 POS		AO	0x0200232F	53
29	TEST7 [TEST...		MTR 2 TIMING		AO	0x0200232F	55

This then updates the object/Relative address field at the bottom of the window.



Select ok and this address is then set for the I/O point.



	Subsystem	Signal Address	Block Type	Signal type	ModuleType	TD	Short Name	Description	Unit	Min	Max	Slope	Intercept
1	B	[9007][0,4]	AI			B'AI	AI	Analogue Input	°C	-3.40282	3.40282	1.	0.
2	B		AO			B'AO	AO	Analogue Output	%	-3.40282	3.40282	100	0
3	B		BI			B'BI	BI	Binary Input	Off, On				
4	B		BO			B'BO	BO	Binary Output	Off, On				