## Instructions for readdressing an EBM Papst Modbus controlled motor

Warning: If you do not feel comfortable doing this procedure Please contact Trane Service

For Generic USB to RS-485 Adapter:

Set Dip switches as follows:

- 1: ON
- 2: ON
- 3: ON
- 4: ON

RS-422 Echo ON 4 Wire 4 Wire	RS-485 Echo OFF 2 Wire 2 Wire 2 Wire This device comples with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including	
	interference that may cause undesired operation	

Connect ModBus wires into the following order:

- 1: Modbus (-) to RDA(-)
- 2: Modbus (+) to RDB(+)
- 3: Common to "GND"



Connect USB-B cord from the COMM4 adapter to your computer.

Running the wires to the USB to RS485:

Red: Modbus -

Black: Modbus +

Blue: Common

Go to search bar and search "Device Manager"



Open "Ports (COM & LPT)" and double click your RS-485 converter.

Select "Port Settings" and set port settings to the following values.

S-485 Port (CC	M3) Properties	5		×
General Port S	ettings Driver	Details	Events	
	Bits p	er second	115200	~
		Data bits	8	~
		Parity	Even	~
		Stop bits:	2	~
	Fi	ow control	None	$\sim$
		Ac	lvanced	Restore Defaults

### **Open EC-Control:**



Password: ECisCOOL

## Go to Options>Computer and interfaces.





Verify your settings match these excluding the "Address" it will match the com port on your converter

Computer and inte	face	
Computer Interfa	ce Help	
🕃 🗐 🖗 😵 🚺	R 🖌 📐 🕘	
Y 👝 Fab		
Add interface		
Adds the following ir	nterface to computer 127.0.0.1:	
Туре	RS232 ~	] [
Address	COM3	~ <i>&gt;</i>
Bus system	ebmBUS V3 V	·] [
✓ <u>ок</u>	X Cancel	10 Help
<u>√ ⊙</u> ĸ	X Cancel	

Then Click "Ok"

Click the "Ok" on the "Computer and interfaces" Page.

🛠 E	C-Control Version 3.30 Build 361	
File	View Options Help	
P	Lock/New login	<b></b>
Ē	Edit mode	
$\rho$	Configuration assistant	
	Backup database Ctrl+B	
Δ	Failure list Ctrl+F	
~~	Statistics	
0	Quit	
		-

# Select "Large size fab (Clean room)"



## Click "Continue"



## Select "RS232"



Select My fab(backround2.jpg) and then select "Continue"



Depending on the number of fans you will either select "I have connected one single fan"



Or you will select "I have several fans"



Select My fab(backround2.jpg) and then select "Continue"

Fan search ass	tant Select group to add fans to Select the group your new fans shall belong to. Only groups which do not contain subgroups may be selected.	
	My fab (background2.jpg) MODBUS1_3 (3 @ COM3) MODBUS1_4 (4 @ COM3) MODBUS2_31 (31 @ COM3)	1
	Continue Continue	2

Fan search assistant Searching connected and preconfigured fans EC-Control identifies connected fans. Select those fans you don't want to be added to the group selected and click delete. Start search Stop search Stemove Address Protocol Interface Type MODBUS ebm-pap: 3 MODBUS COM3 4 MODBUS COM3 MODBUS ebm-pap: MODBUS ebm-pap: 31 MODBUS COM3 REEN < > Continue G Back X Cancel 🕜 <u>H</u>elp

Click "Start search" (The fans should populate on here.)

Double click the fan you are wanting to address (in this example we are using "MODBUS2\_31")



#### Select "Communication Parameters"



Chage the "Device Address" to the address you require the fan to operate on (Here I changed it to 3) and select "Set".



That fan is now addressed to the address of 3.