

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:

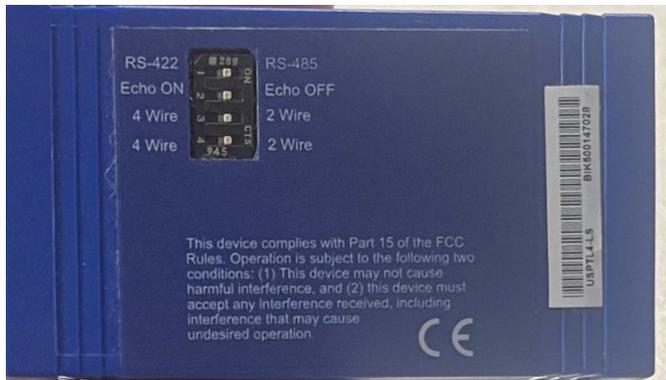
Set Dip switches as follows:

1: ON

2: ON

3: ON

4: ON

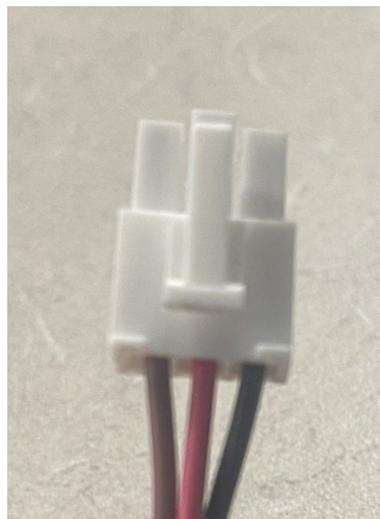


Connect ModBus wires into the following order:

1: Modbus (-) to RDA(-)

2: Modbus (+) to RDB(+)

3: Common to "GND"



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

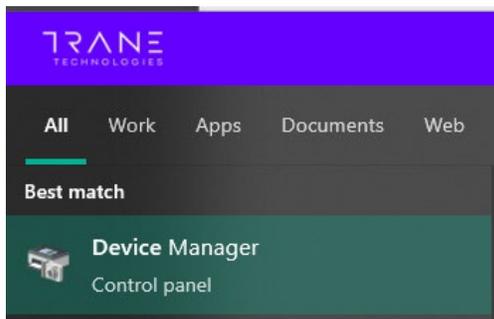
Running the wires to the USB to RS485:

Red: Modbus -

Black: Modbus +

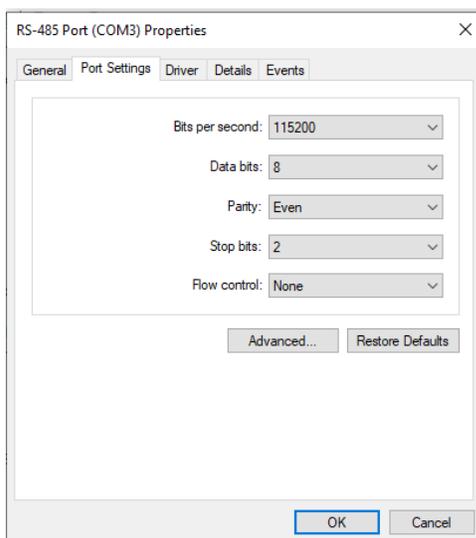
Blue: Common

Go to search bar and search “Device Manager”

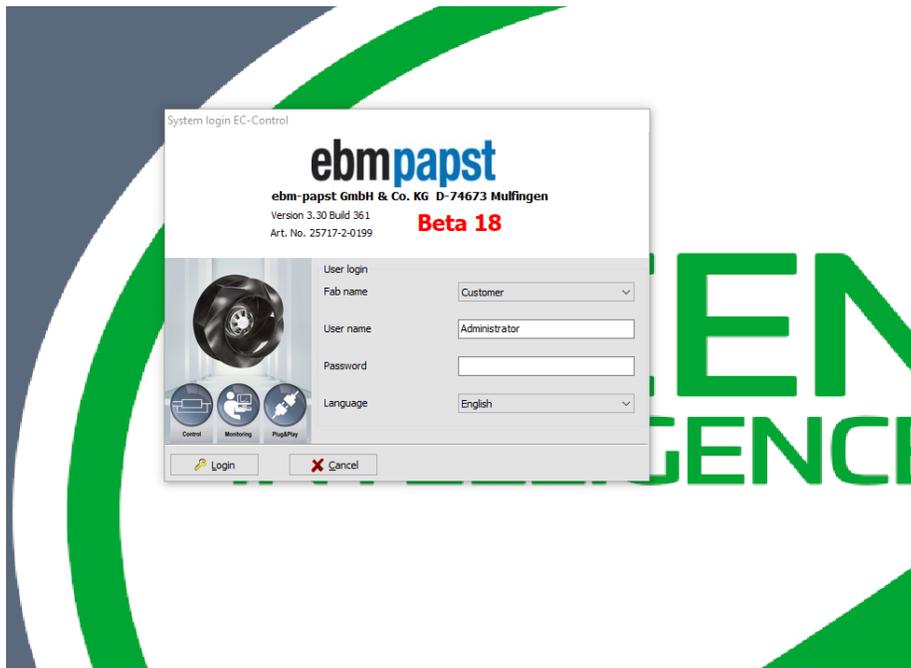


Open “Ports (COM & LPT)” and double click your RS-485 converter.

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



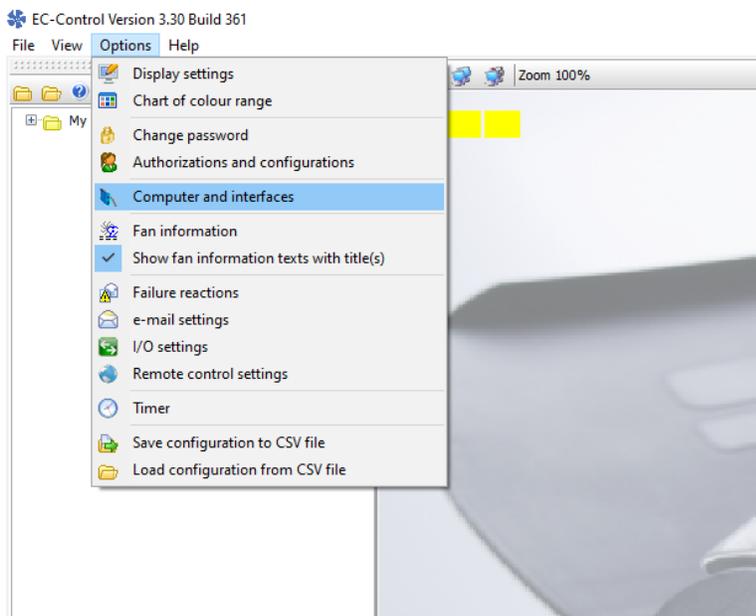
Open EC-Control:



Username: **Administrator**

Password: **ECisCOOL**

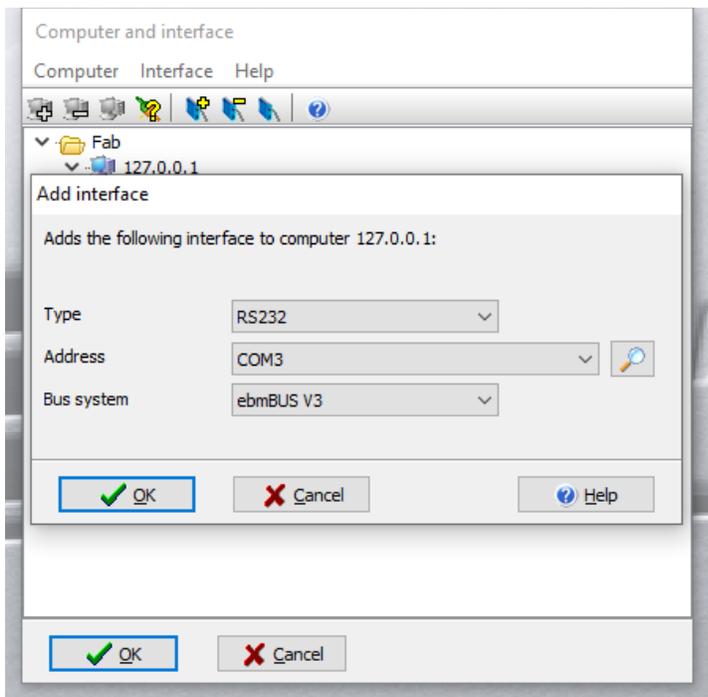
Go to Options>Computer and interfaces.



Click the positive symbol

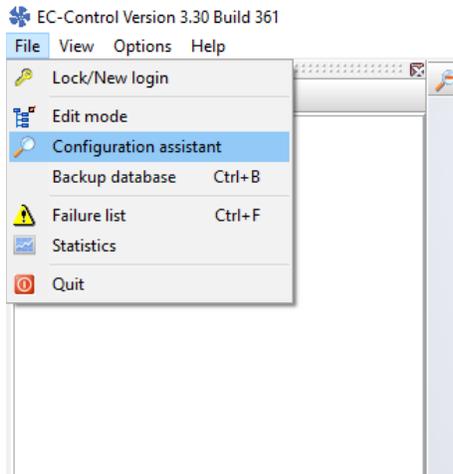


Verify your settings match these excluding the “Address” it will match the com port on your converter

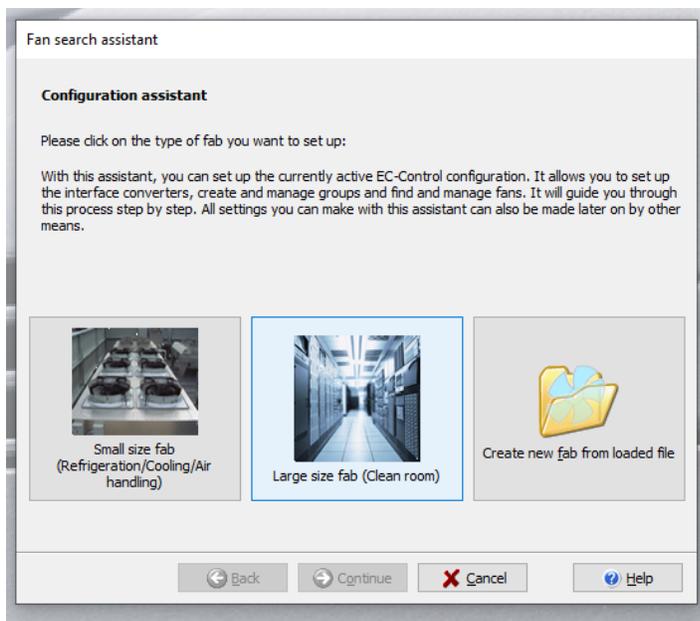


Then Click “Ok”

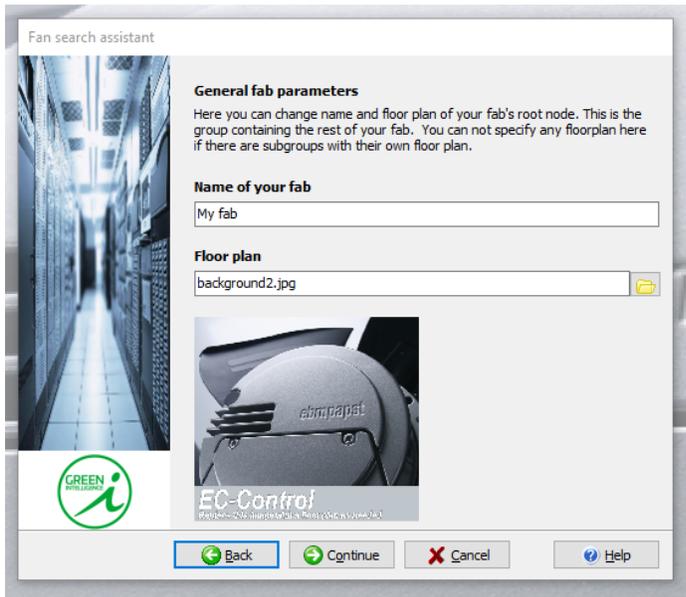
Click the “Ok” on the “Computer and interfaces” Page.



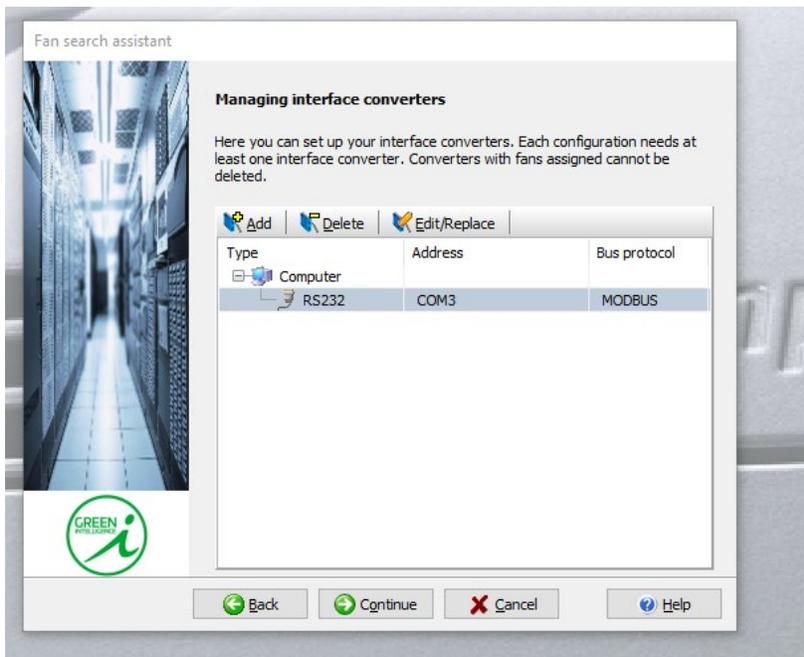
Select "Large size fab (Clean room)"



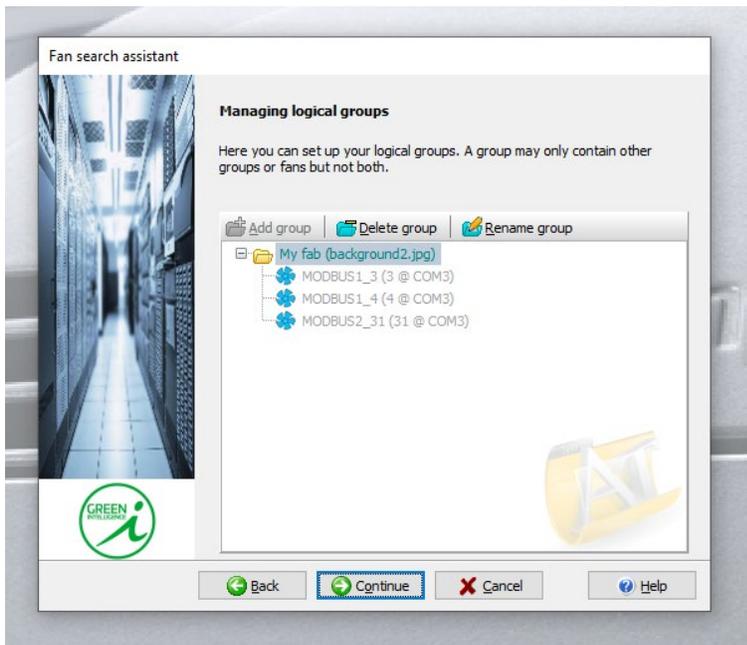
Click "Continue"



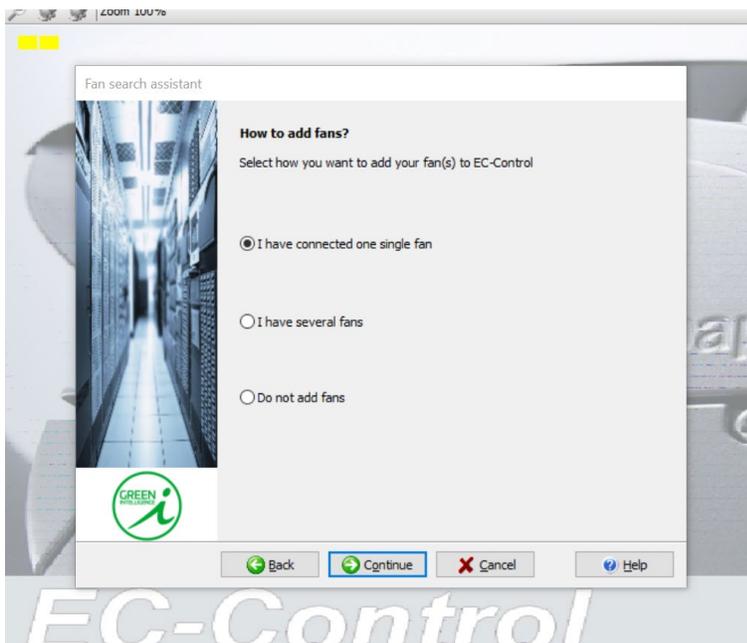
Select "RS232"



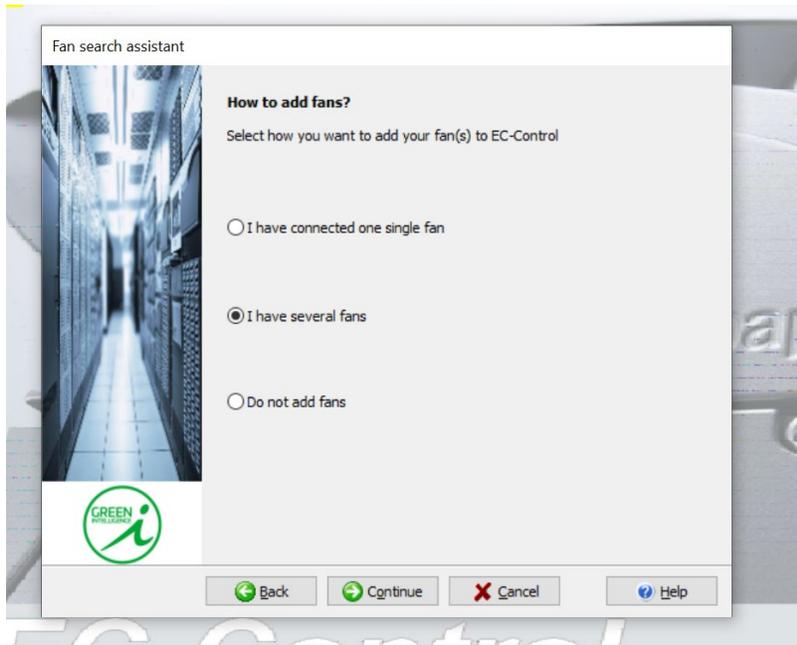
Select My fab(background2.jpg) and then select “Continue”



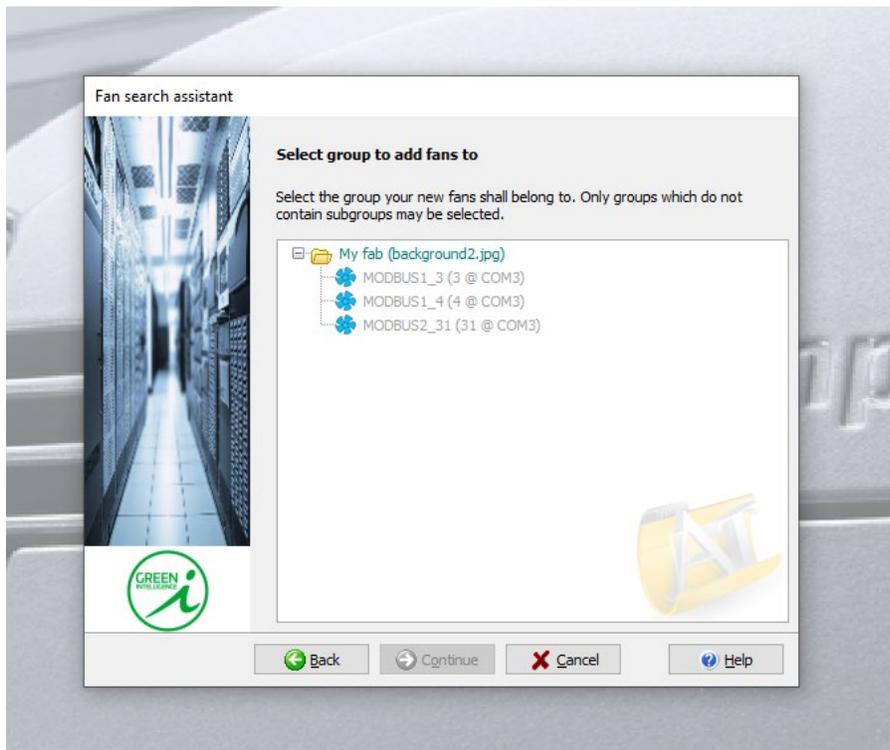
Depending on the number of fans you will either select “I have connected one single fan”



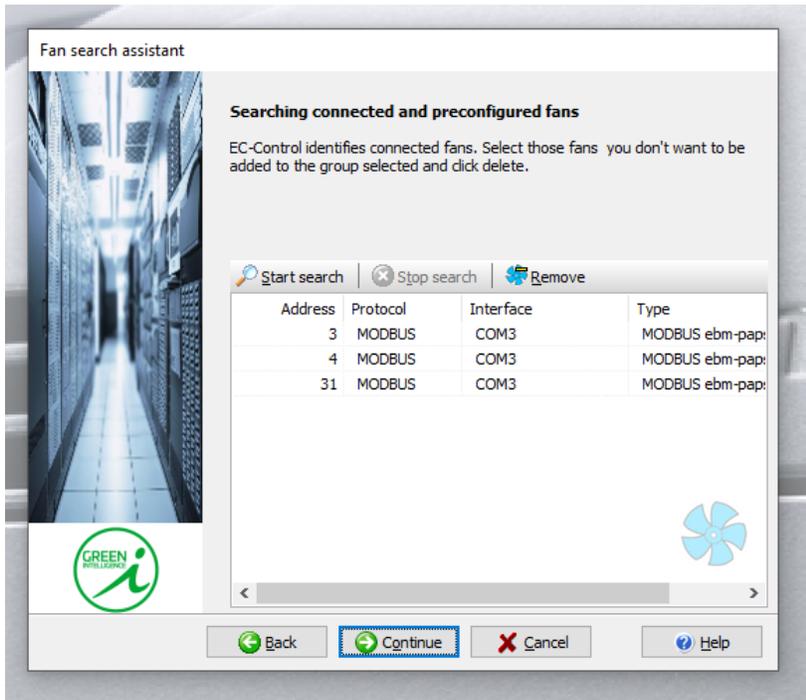
Or you will select "I have several fans"



Select My fab(background2.jpg) and then select "Continue"



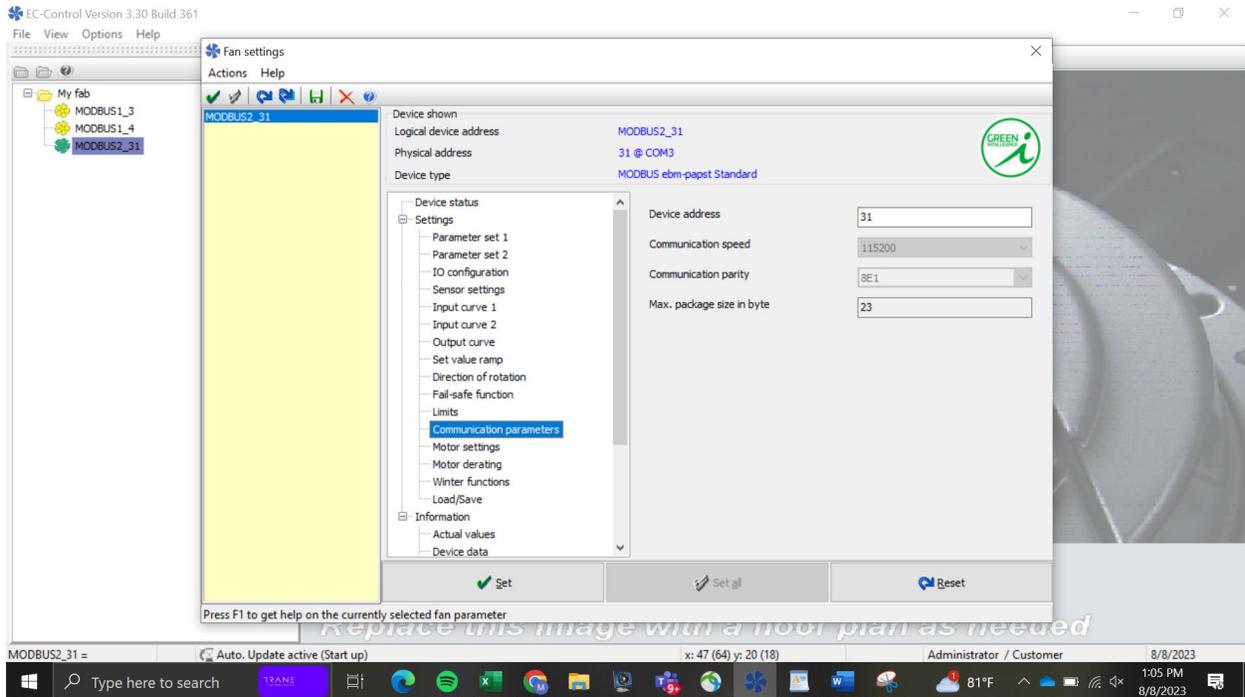
Click "Start search" (The fans should populate on here.)



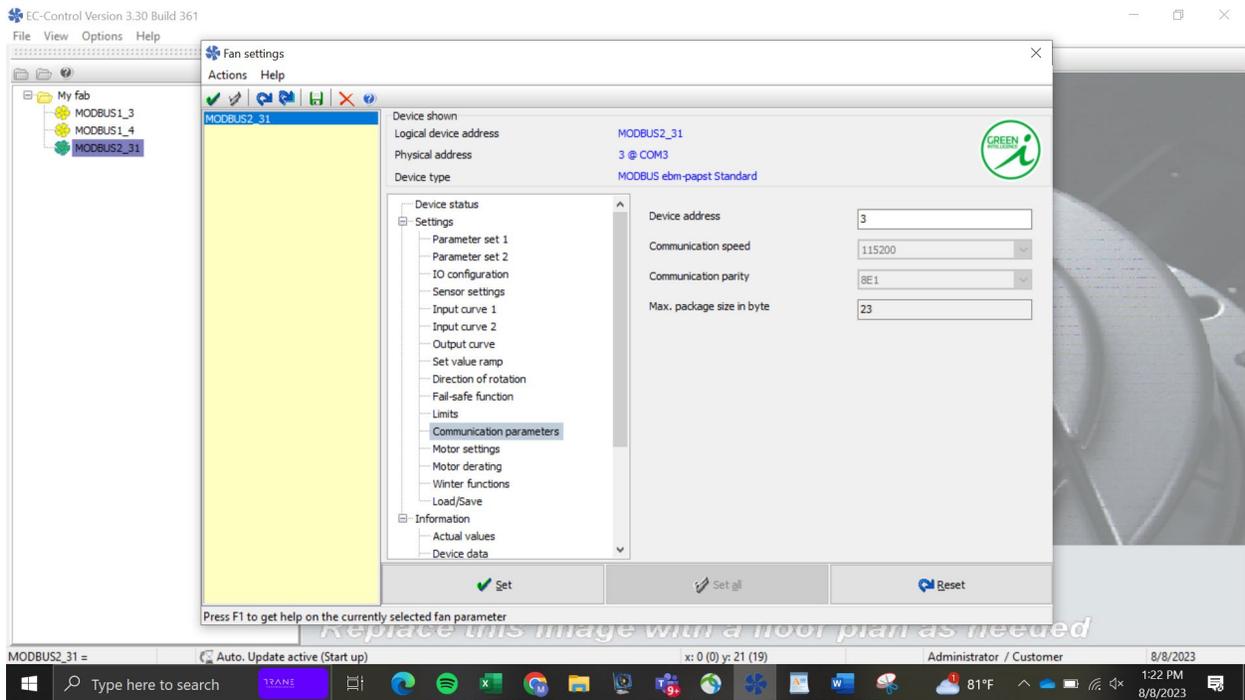
Double click the fan you are wanting to address (in this example we are using "MODBUS2_31")



Select "Communication Parameters"



Change 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.