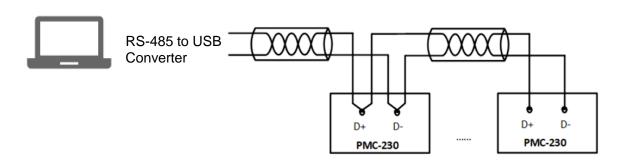
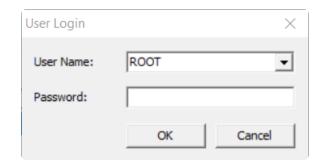
## **Quick Guide for PMC Setup**

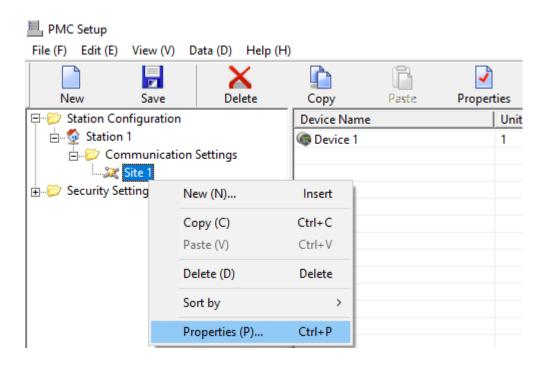
Connect the meter through RS-485 to USB converter (or Ethernet cable) to laptop.

Launch PMC Setup and login with ROOT without password



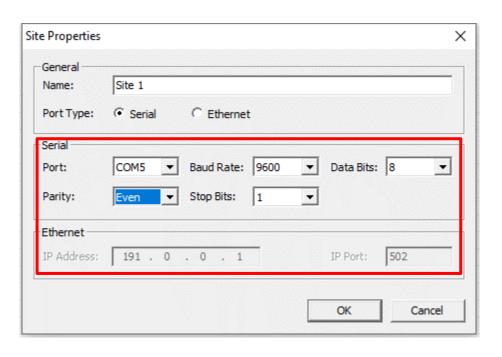


Right click the Site 1 and select Properties.



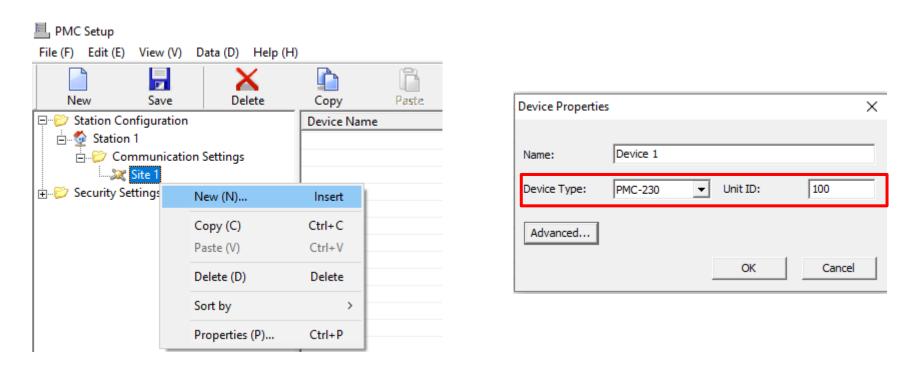
\*Please be noted that a **Site** consists of a group of PMC devices that share a physical communications link.

Confirm the Comm. parameters are set correctly



\*Default baudrate 9600 and 8E1 for PMC-230

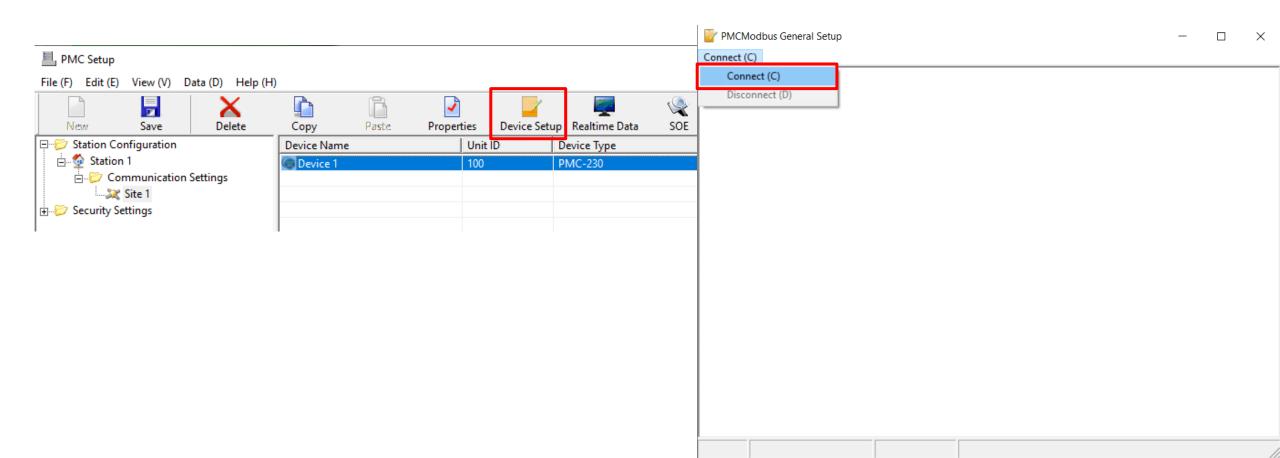
Right click the Site 1 and select New to add device by selecting Device Type and enter Unit ID



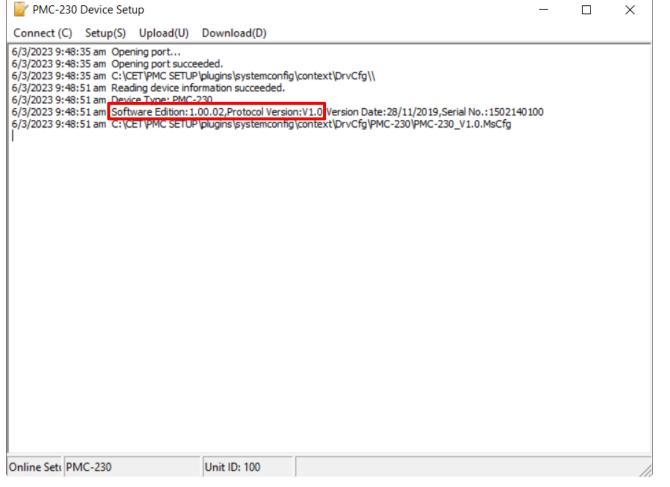
<sup>\*</sup>A **Device** generally means a PMC device. The PMC Setup supports a maximum of 128 Sites within a Station and maximum of 128 Devices for each Site.

> Select the device and click **Device Setup** 

> Select **Connect** to start the configuration

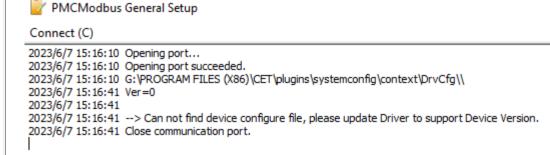


The Device information will be displayed once connected





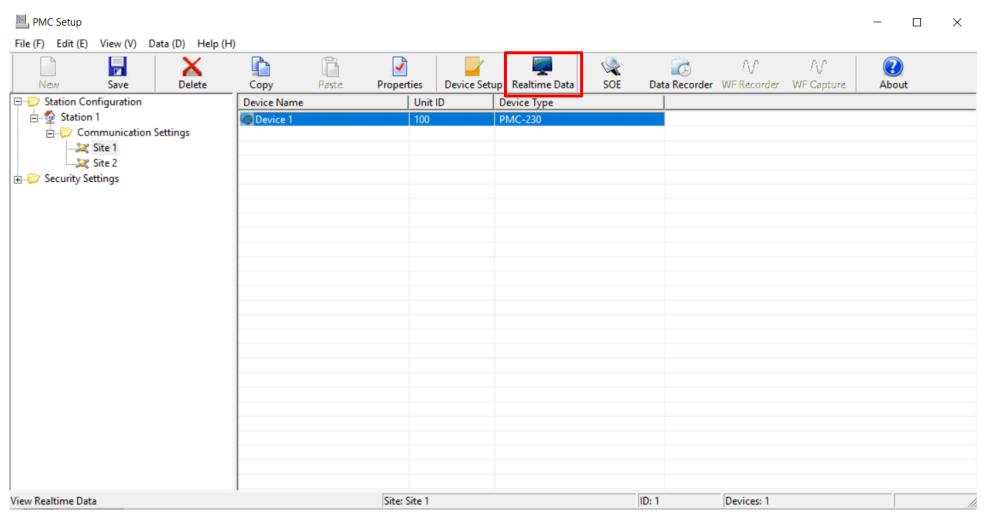
\*If error message like above appears, please check the RS-485 wiring and if the COM port is occupied by other applications



\*If error message like above appears, please check if the Unit ID is correct

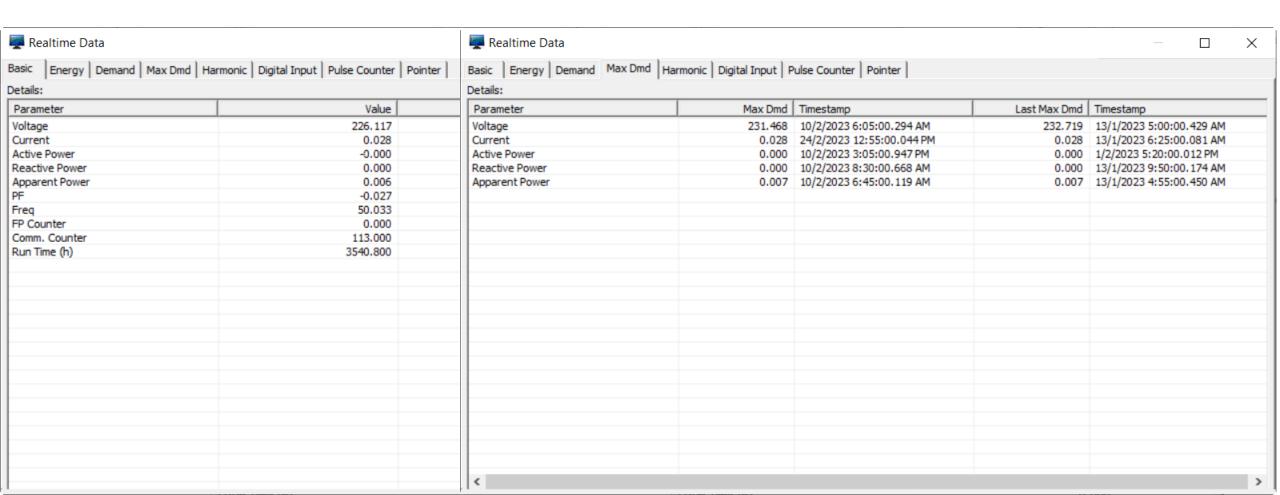
#### **Read Real Time Data**

Select the device and click Realtime Data



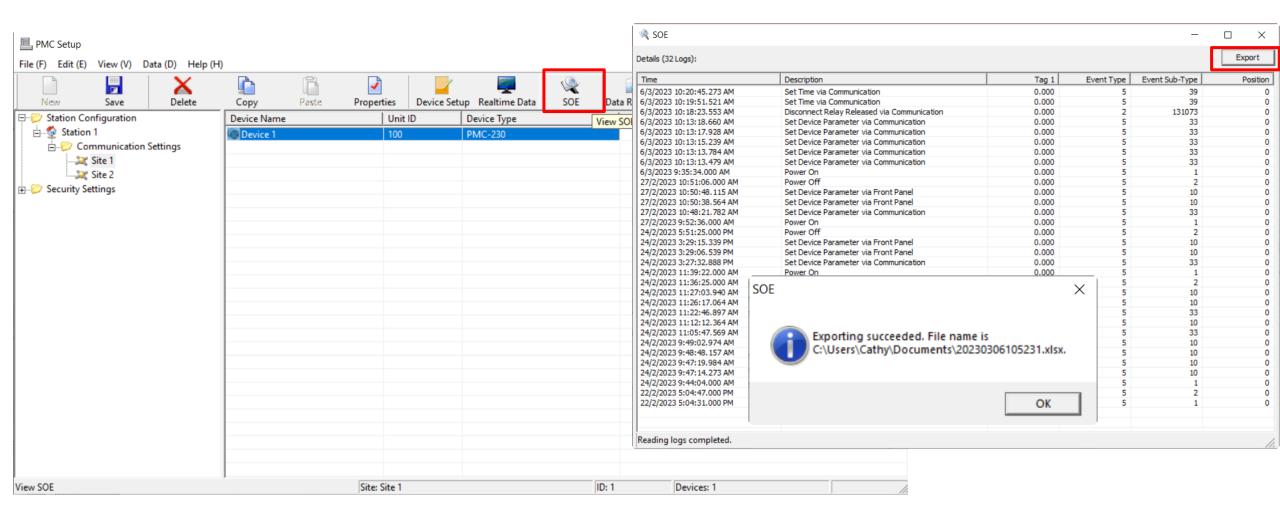
#### **Read Real Time Data**

Navigate between tabs to view real time data, Energy, Max. Demand and etc.



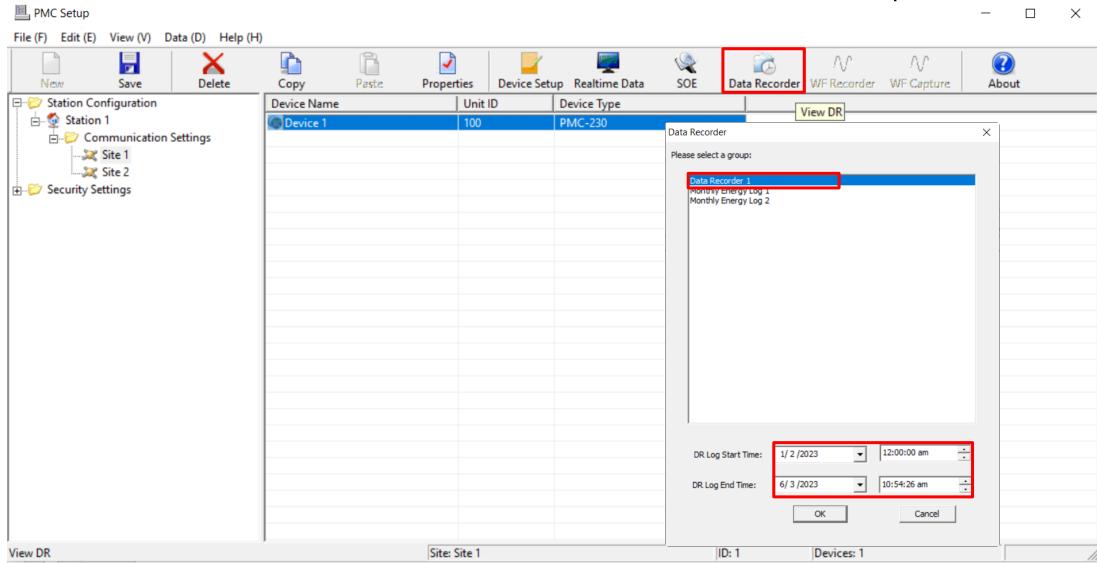
#### Read SOE

Click SOE to view historical events and click Export to save as excel format file.



#### Read Data Recorder

Click Data Recorder to view the historical recorders within the selected period



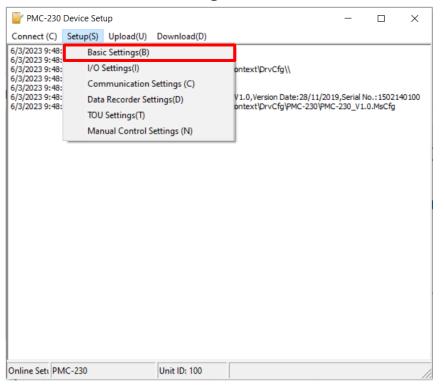
#### Click Export to save as excel format file.

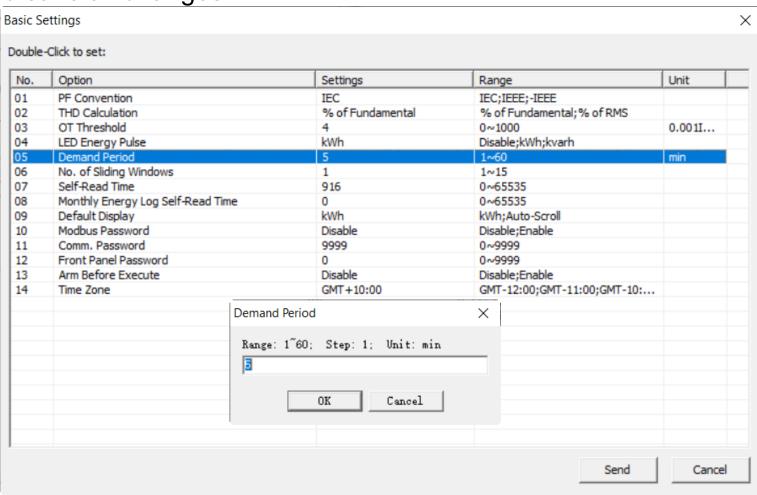
Data Recorder 1: Reading logs completed.

Data Recorder - Data Recorder 1 Export Details (591 Logs): kWh Import Time Voltage Current Active Power Reactive Power Apparent Power PF kvarh Import Apparent Energy Disconnect Relay Status | ^ 2023-03-06 10:50:00.000 225,454 0.028 -0.000 0.000 0.006 -0.003 0.360 0.010 1,160 2023-03-06 10:45:00.000 225.541 0.028 -0.000 -0.000 0.006 -0.0210.360 0.010 1.160 1.000 2023-03-06 10:40:00.000 225.721 0.028 -0.000 0.000 0.006 -0.009 0.360 0.010 1.160 1.000 2023-03-06 10:35:00.000 225.655 0.028 -0.000 -0.000 0.006 -0.009 0.360 0.010 1,160 1.000 2023-03-06 10:30:00.000 226.187 0.028 -0.000 -0.0000.006 -0.009 0.360 0.010 1.160 1.000 0.006 2023-03-06 10:25:00.000 225.714 0.028 -0.000 0.000 -0.003 0.360 0.010 1.160 1.000 225.878 0.028 0.000 -0.000 0.006 0.000 0.360 0.010 1.160 1.000 2023-03-06 10:20:00.000 226.033 0.028 0.000 0.000 0.006 0.018 0.360 0.010 1.000 2023-03-06 10:15:00.000 1.160 226.979 0.028 0.000 0.000 0.006 0.009 0.360 0.010 1.000 2023-03-06 10:10:00.000 1.160 2023-03-06 10:05:00.000 226.541 0.028 0.000 0.000 0.006 0.009 0.360 0.010 1.160 1.000 2023-03-06 10:00:00.000 226.742 0.028 -0.000 0.000 0.006 -0.020 0.360 0.010 1.160 1.000 2023-03-06 09:55:00.000 227, 168 0.028 -0.000 0.000 0.006 -0.003 0.360 0.010 1.160 1.000 2023-03-06 09:50:00.000 226,771 0.028 -0.000 0.000 0.006 -0.020 0.360 0.010 1.160 1,000 2023-03-06 09:45:00.000 226.837 0.028 -0.000 0.000 0.006 -0.015 0.360 0.010 1.160 1.000 0.028 0.006 2023-03-06 09:40:00.000 226.845 -0.000 -0.000 -0.009 0.360 0.010 1.160 1.000 230.455 0.028 0.000 -0.000 0.006 0.012 0.360 0.010 1.000 2023-02-27 10:50:00.000 1.160 0.029 -0.000 0.007 0.360 2023-02-27 10:45:00.000 229.754 0.000 -0.006 0.010 1.160 1.000 2023-02-27 10:40:00.000 229.934 0.028 -0.000 0.000 0.007 -0.012 0.360 0.010 1.160 1.000 2023-02-27 10:35:00.000 230.183 0.028 0.000 0.000 0.006 0.003 0.360 0.010 1.160 1.000 0.007 2023-02-27 10:30:00.000 229,666 0.028 -0.000 0.000 -0.003 0.360 0.010 1.160 1.000 2023-02-27 10:25:00.000 229,358 0.028 0.000 -0.000 0.007 0.009 0.360 0.010 1.160 1.000 0.006 0.360 1.000 2023-02-27 10:20:00.000 229,692 0.028 -0.000 -0.000-0.0120.010 1.160 2023-02-27 10:15:00.000 228.903 0.028 -0.000 0.000 0.006 -0.012 0.360 0.010 1.160 1.000 2023-02-27 10:10:00.000 0.028 -0.000 -0.000 0.006 -0.015 0.360 0.010 1.160 1.000 0.006 0.360 1.000 2023-02-27 10:05:00.000 224,717 0.028 0.000 -0.0000.018 0.010 1.160 0.028 0.000 0.000 0.006 0.006 0.360 0.010 1.000 2023-02-27 10:00:00.000 225.042 1.160 0.006 2023-02-27 09:55:00.000 224.897 0.028 0.000 0.000 0.009 0.360 0.010 1,160 1.000 0.028 0.000 0.006 0.360 0.010 2023-02-24 17:50:00.000 230.350 0.000 0.003 1,160 1.000 0.006 2023-02-24 17:45:00.000 230.613 0.028 0.000 -0.000 0.003 0.360 0.010 1.160 1.000 2023-02-24 17:40:00.000 230, 132 0.028 -0.000 0.000 1,160 1.000 Data Recorder 1.160 2023-02-24 17:35:00.000 230.421 0.028 -0.000 0.000 Х 1.000 2023-02-24 17:30:00.000 230.055 0.028 -0.000 -0.000 1,160 1.000 2023-02-24 17:25:00.000 229.718 0.028 0.000 0.000 1.160 1.000 2023-02-24 17:20:00.000 229,488 0.028 -0.000 0.000 1.160 1.000 2023-02-24 17:15:00.000 228.846 0.028 -0.000 -0.000 1.160 1.000 2023-02-24 17:10:00.000 229.251 0.029 0.000 0.000 1.160 1.000 Exporting succeeded. File name is 2023-02-24 17:05:00.000 228.423 0.028 -0.000 0.000 1.160 1.000 C:\Users\Cathy\Desktop\20230306105912.xlsx. 2023-02-24 17:00:00.000 228.622 0.028 -0.000 0.000 1.160 1.000 2023-02-24 16:55:00.000 228.414 0.028 -0.000 -0.000 1.160 1.000 2023-02-24 16:50:00.000 228.192 0.028 -0.000 0.000 1.160 1.000 2023-02-24 16:45:00.000 228.511 0.028 -0.000 0.000 1.160 1.000 2023-02-24 16:40:00.000 228.533 0.028 -0.000 0.000 1.160 1.000 2023-02-24 16:35:00.000 228.153 0.029 0.000 0.000 1.160 1.000 1.160 2023-02-24 16:30:00.000 229.135 0.028 -0.000 -0.000 OK 1.000 2023-02-24 16:25:00.000 228.625 0.028 0.000 -0.0001.160 1.000 2023-02-24 16:20:00.000 228.825 0.028 -0.000 -0.000 1.160 1.000 228.673 0.028 0.000 0.000 0.006 0.009 0.360 0.010 1,160 1.000 2023-02-24 16:15:00.000 228.864 0.028 0.000 0.000 0.007 0.360 0.010 1.000 2023-02-24 16:10:00.000 0.009 1.160 2023-02-24 16:05:00.000 228,909 0.028 -0.000 -0.000 0.006 -0.006 0.360 0.010 1.160 1.000 2023-02-24 16:00:00.000 229,407 0.028 -0.000 0.000 0.007 -0.014 0.360 0.010 1.160 1.000 229.445 0.028 -0.000 0.006 -0.003 0.360 0.010 1.000 🗸 2023-02-24 15:55:00.000 -0.000 1.160

### Configuration-Basic

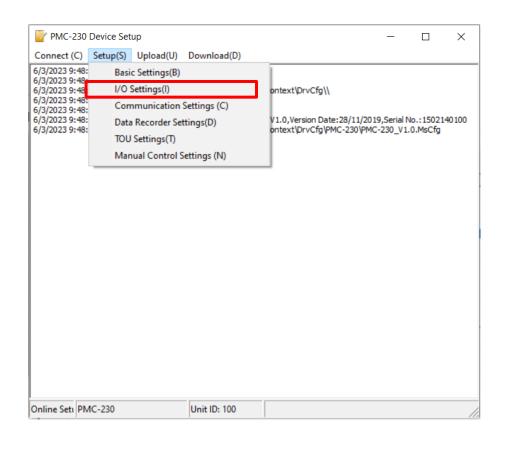
- Select Setup->Basic Setting, double click the basic parameter for modification.
- > Enter the correct value and click **OK**.
- After all changes finish, click Send to save all changes.

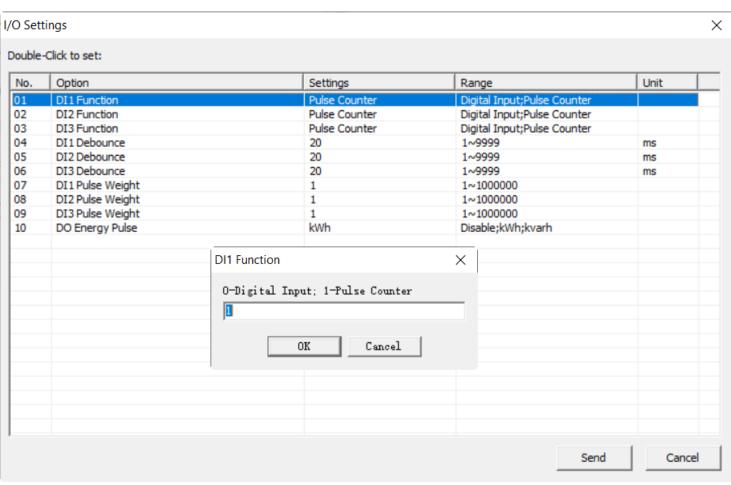




### Configuration-I/O

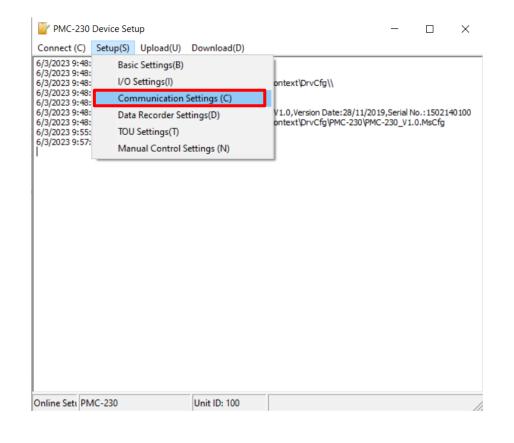
Select **Setup->I/O Setting** and double click the I/O parameter for modification eg, if we want to change the DI Function from default Pulse Counter to Digital Input, we should enter 0, and click **OK** and then **Send** 

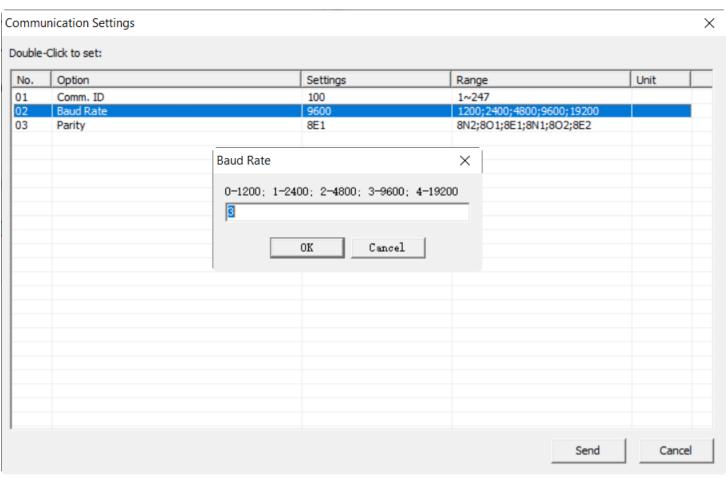




#### Configuration-Comm.

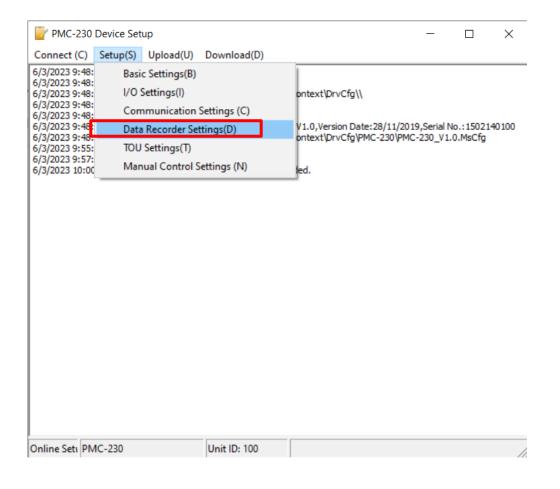
For **Communication Settings**, please be noted that any changes to the Comm. Settings, the connection will be interrupted after Send, please re-connect with updated Comm. parameters

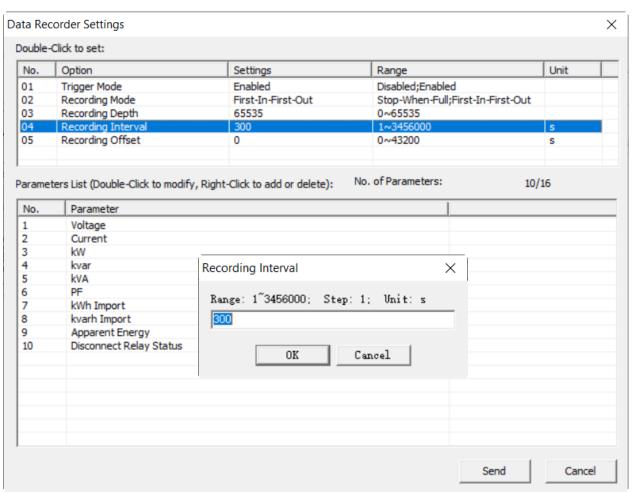




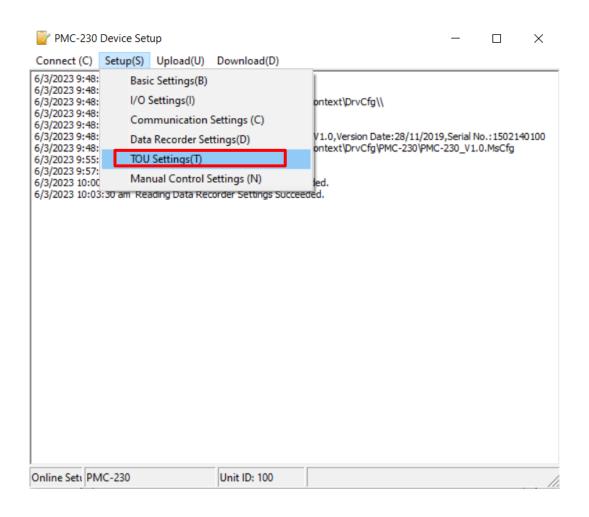
### Configuration-Data Recorder

- For **Data Recorder Settings**, please be noted that any changes to the Data Recorder Settings, the historical recorder will be cleared and start new recorder based on updated settings.
- ➤ It would be better to export historical data before any changes to Data Recorder Settings.





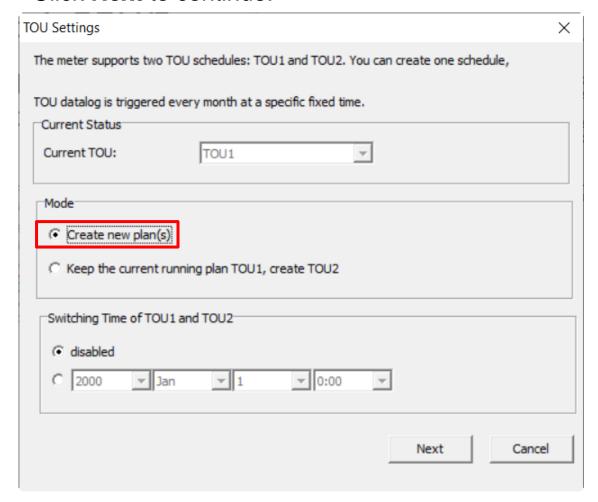
> For **TOU Settings**, please follow the instructions step by step.

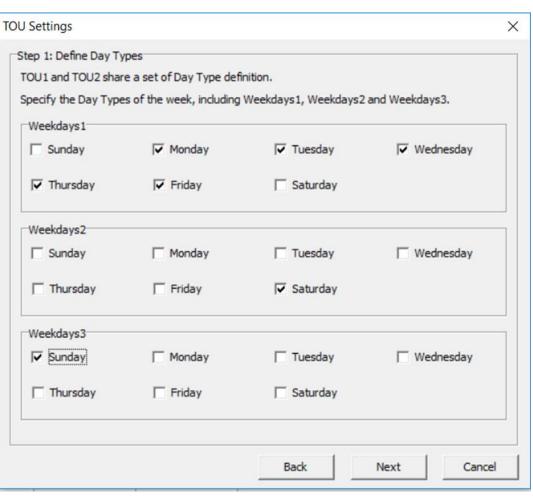


Let's take the following TOU calendar as an example.

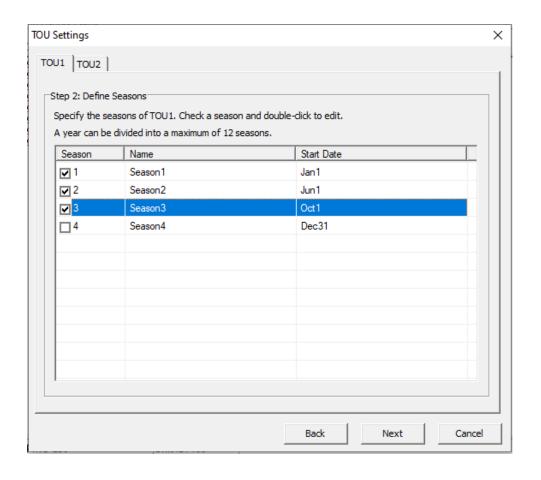
TOU				
Туре	Summer Weekday (6/1 - 9/30)	Winter Weekday (10/1 - 5/31)	Saturday	Sunday & Holiday
Peak	07:30 -22:30			
Shoulder		07:30 -22:30	07:30 -22:30	
Off-Peak	22:30 - 24:00 00:00 - 07:30	22:30 - 24:00 00:00 - 07:30	22:30 - 24:00 00:00 - 07:30	00:00 - 24:00

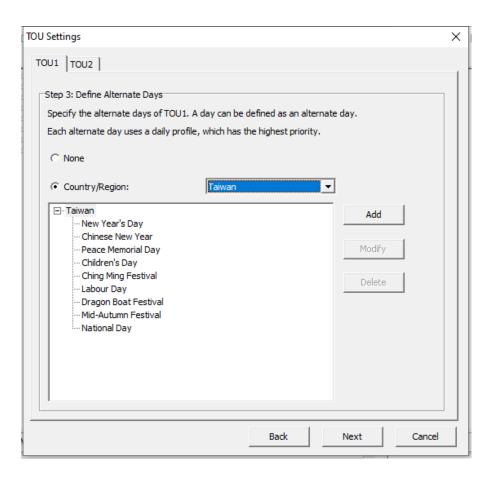
- Select Create new plan under the Mode menu, keep Disable if only one TOU Schedule is used, then click Next.
- Set Monday-Friday as Weekday1 (Working weekdays), Saturday as Weekday2 and Sunday as Weekday3.
  Click Next to continue.





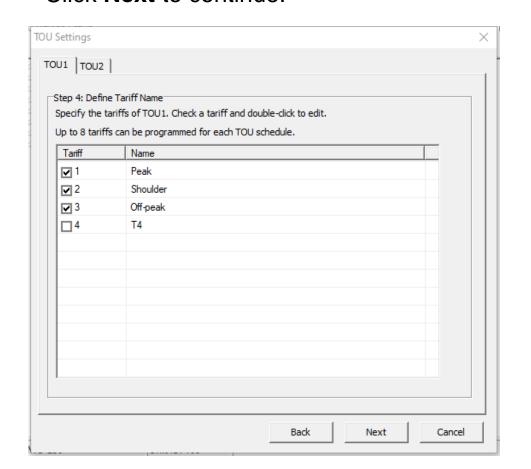
- Select Season and set the Start Date accordingly.
- Select Country/Region or Click Add/Modify to define the Alternate Days/Holiday manually. Click Next to continue.

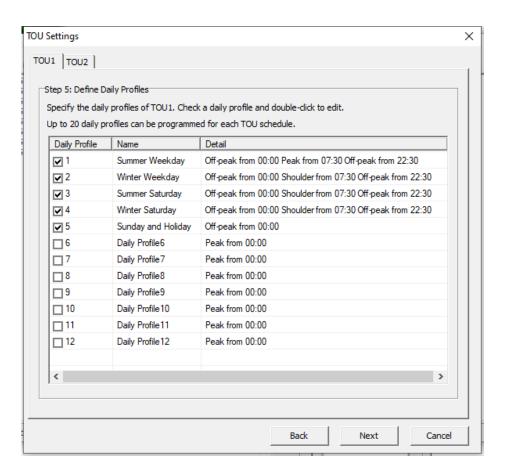




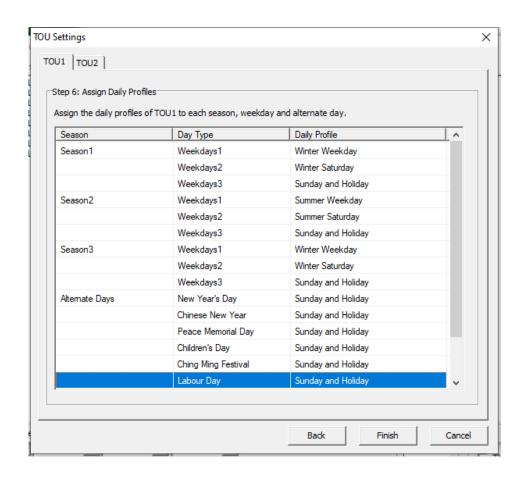
- Set the Tariff as Peak, Shoulder and Off-peak. Click Next to continue.
- ➤ Set the period for Daily Profile

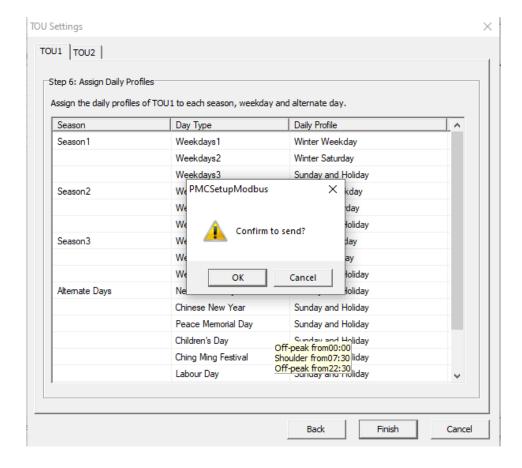
[eg. Daily Profile1 for Summer Weekday 07:30 - 22:30 Peak, 22:30 - 24:00&00:00 - 07:30 Off-peak] Click **Next** to continue.





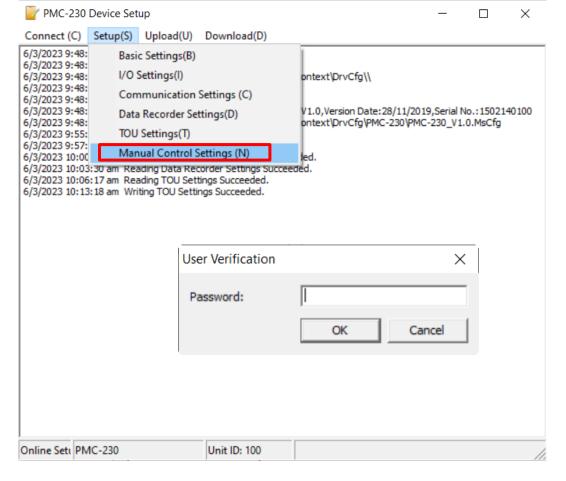
> Set the Daily Profile for different weekdays. Click **Finish** to write all settings to the register.

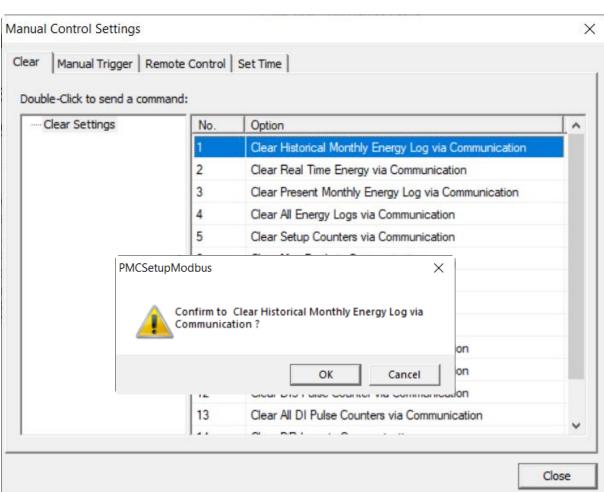




#### **Manual Control**

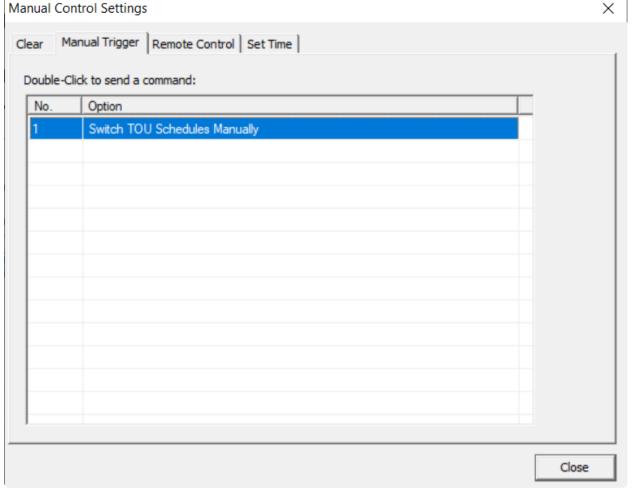
➤ To perform Clear operations, select the desired action(s) and then double-click it. When the confirm dialog box appears, click **OK** to confirm the operation. No password required.

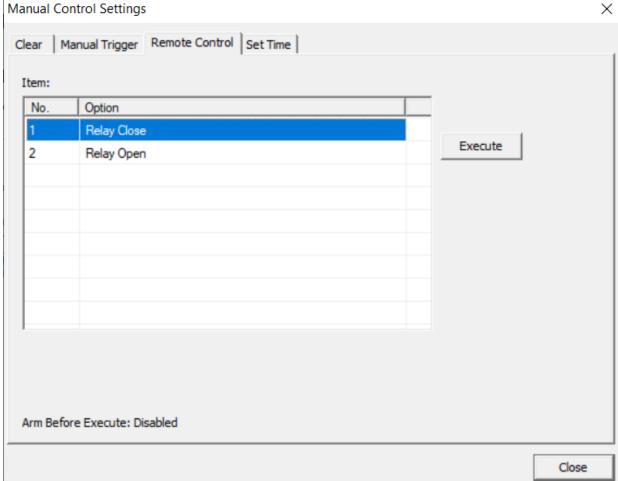




#### **Manual Control**

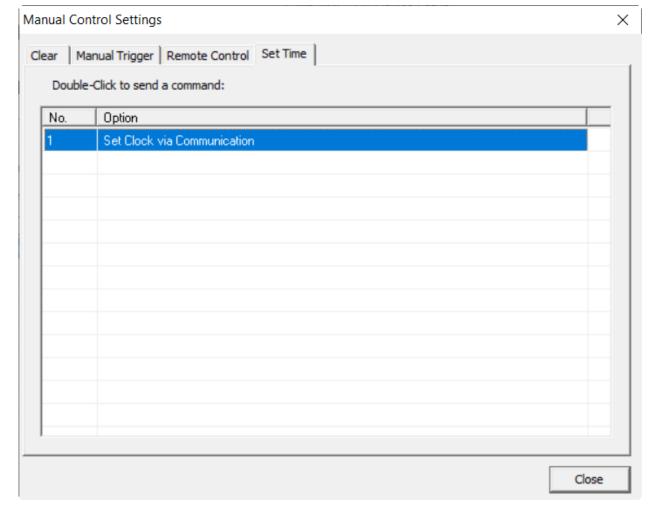
Manual switch the TOU schedule and remote switch the Disconnect relay status by clicking Execute.

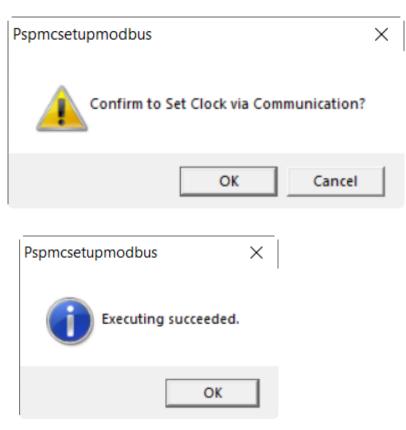




#### **Manual Control**

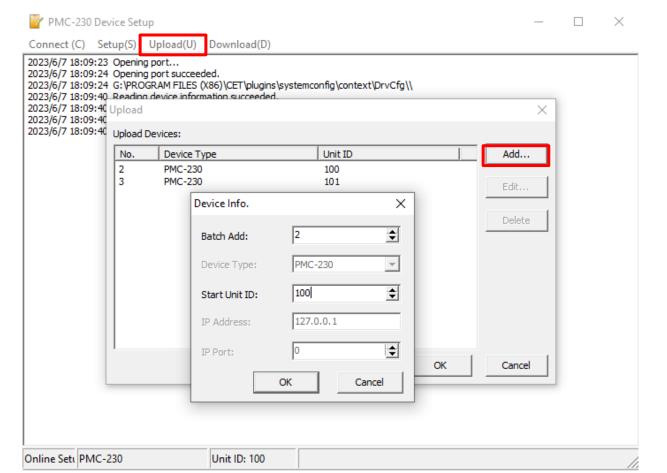
> Set time via communication and if the operation is successful, the Executing succeeded message will be displayed in the dialog box.





#### Upload

- The device configuration can be uploaded to a workstation and saved as a template file for later use.
- ➤ To upload the device configuration, click **Upload** and the dialog box appears. Select device and click **OK**.



If there are more than one devices configuration need to be uploaded, click **Add** and Enter Unit ID.

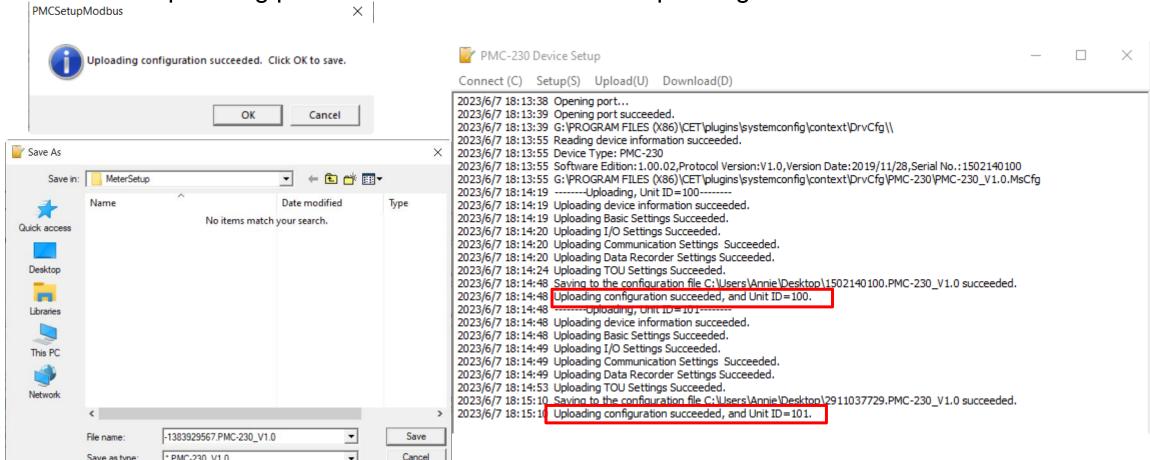
#### Upload

- Click OK when confirm dialog appears, and then Save As dialog box appears.
- > Enter a file name for the template and then click Save. The default file name is the SN of the device.

The uploading process can be seen in the Setup dialog box.

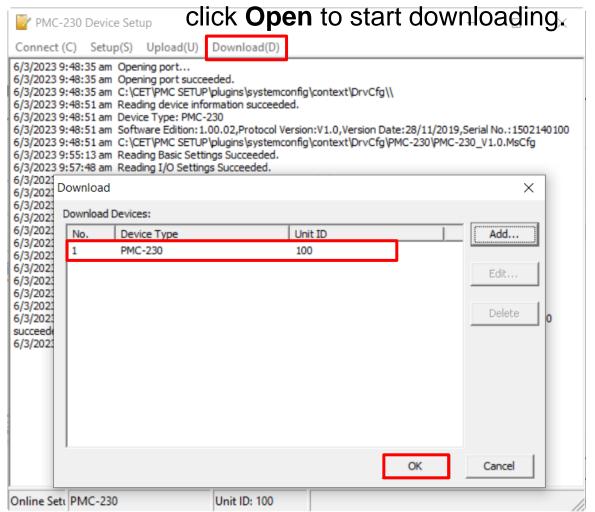
Save as type

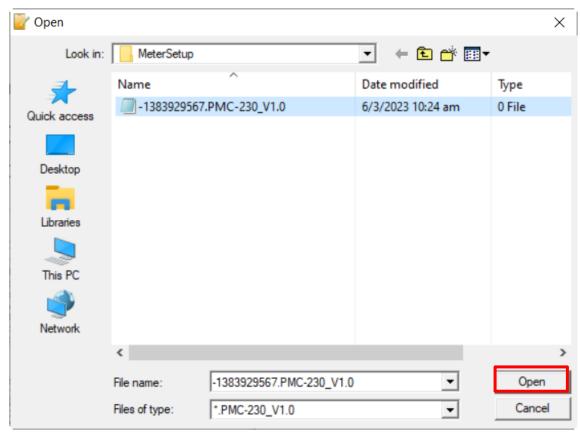
\*.PMC-230\_V1.0



#### **Download**

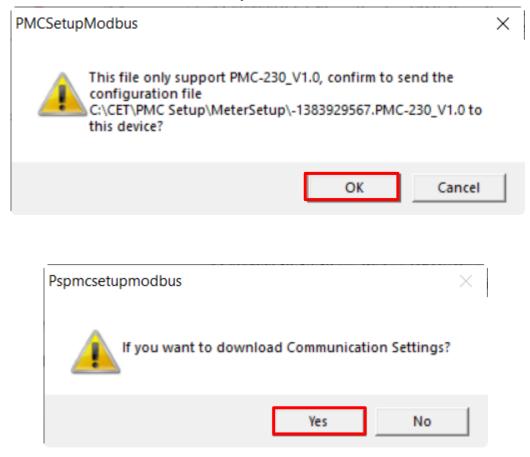
- To download a saved configuration to currently connected device, click **Download** and the following dialog box appears.
- Click OK and choose the file that contains the device configuration to download and then

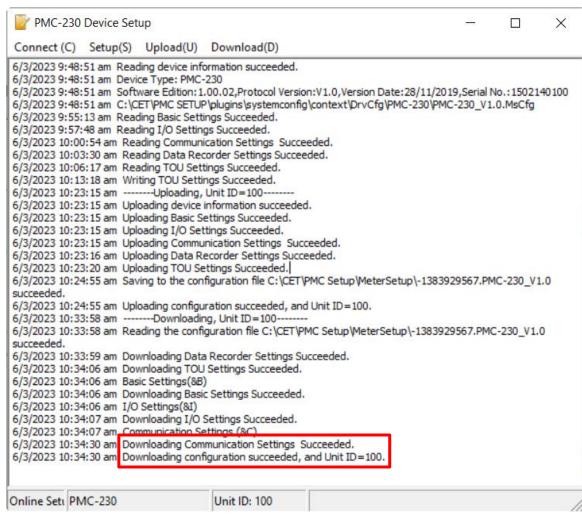




#### **Download**

Click OK when confirm dialog box appears. Click Yes if you want to download communication parameters as well.





# Thanks



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