

Configuration of energy-related objects in Ampio Designer


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Introduction

In order to display data related to energy consumed or generated in the Ampio UNI mobile application, default graphic objects have been created. The process of configuring such objects will be presented below.

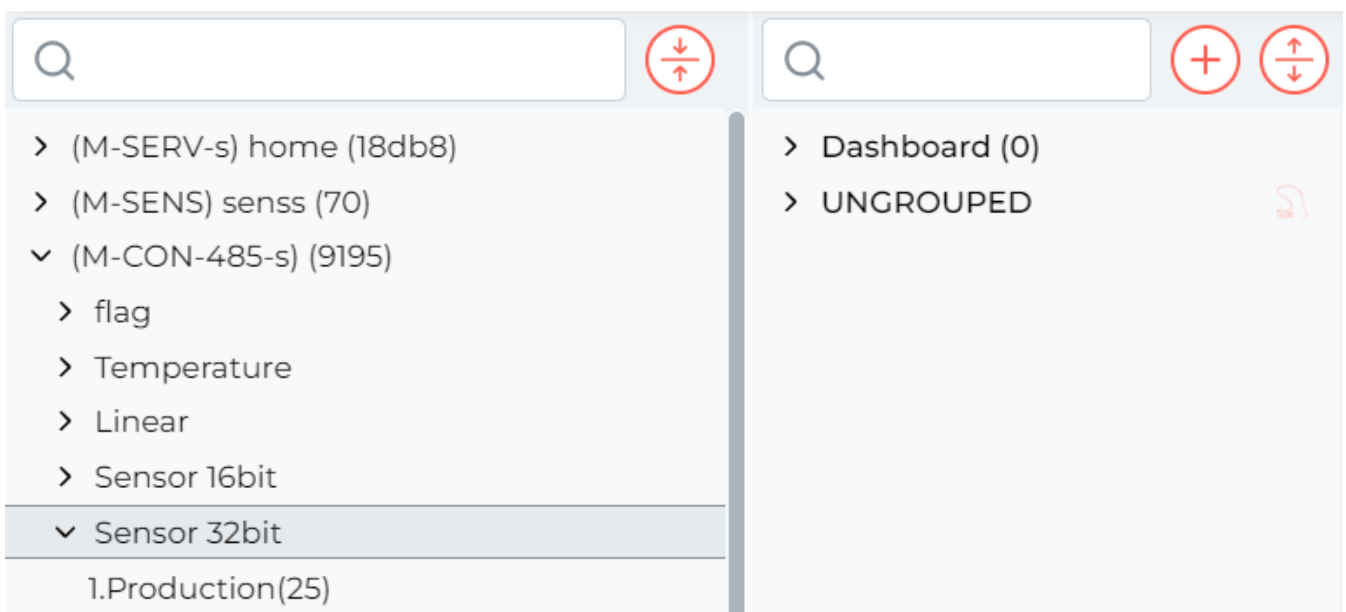
Configuration in Ampio Designer

The data to be displayed in the Energy object is taken, for example, from the integrated device connected to the M-CON-485-s module. The data should be sent to the Ampio bus as *Sensor 16 bit* or *Sensor 32 bit*.

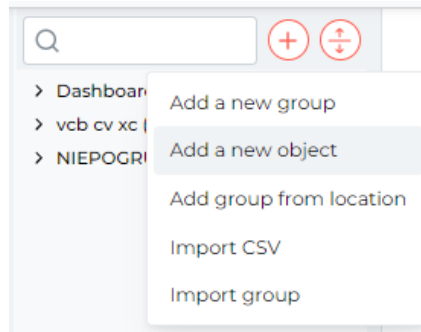
Flag	Diagnostics	Modbus query	Modbus command	Temperature	Linear	Sensor 16bit	Sensor 32bit
<div style="text-align: right;"> <input type="text" value="Search"/>  </div>							
NUMBER	DESCRIPTION		LOCATION		VISUAL		
1	Production		Location	Type			232

The first step is to add objects in the *APPLICATION* tab.

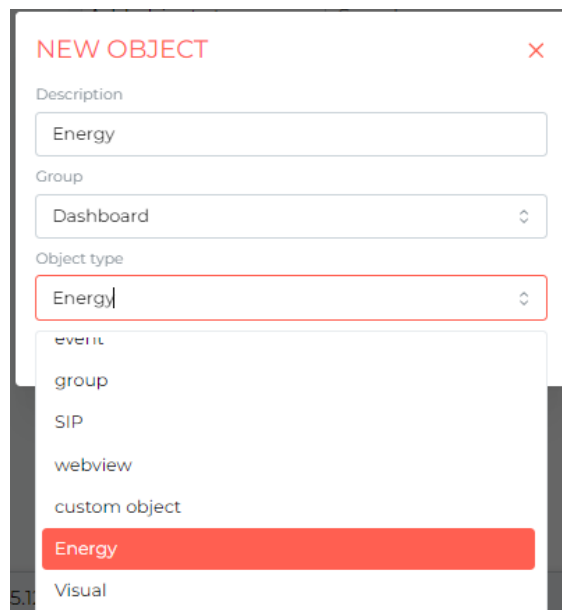
Data that is downloaded from M-CON-485-s is added sequentially as objects to the mobile application, for example, by dragging the object to the desired location.



Finally, an additional object should be created,



then the *Energy* type should be selected and assigned to the selected group.



There are 4 different options available during object configuration, depending on the data available.

Type	-	PV and import/export - battery
	Live	
Current PV production	⚙️	PV and import/export PV and consumption PV and import/export - battery
Import/Export	⚙️	PV and consumption - battery
BATTERY	-	Choose object

For the rows that will be used in our case, we will attribute the objects created earlier.

		Live	
ⓘ	Current PV production	-	Choose object
ⓘ	Current consumption	-	Consumption (27) Production (28)
		History	

Finally, select Save in the top right corner.

The unit used in the *Energy* object is kW. If the data retrieved from the measurements is in Watts, for example, it must be divided by 1000 in the *Dictionary* field.

DESCRIPTION		OPERATOR
Divide by	<input checked="" type="checkbox"/>	1000
Add unit to description	<input type="checkbox"/>	kW

Once fully configured, an energy-related graphic object will appear in the mobile app.

