Solar Monitor

Installation manual SM2-PC v. 2.0

Package content

Power control module

Solar Monitor SM2-PC

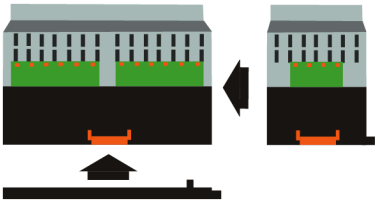
Instalation manual

HBUS

- the part for connection to the SM2-MU

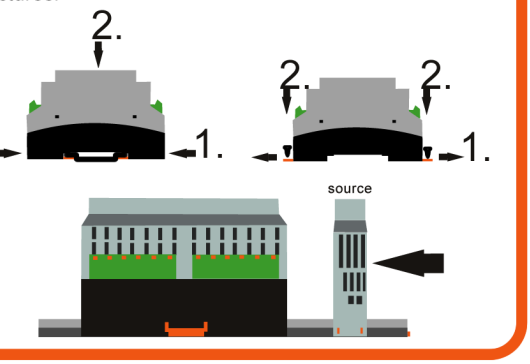
1. Step
Connection to SM2-MU

Connect HBUS to the SM2-MU. Connect the module SM2-PC with the SM2-MU according to this picture.



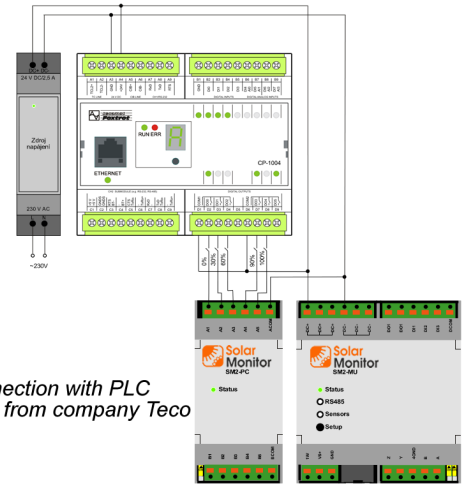
2. Step
Mechanical fastening

The SM2-MU incl. connected modules and source can be fixed to the wall or DIN bar accroding to these pictures.



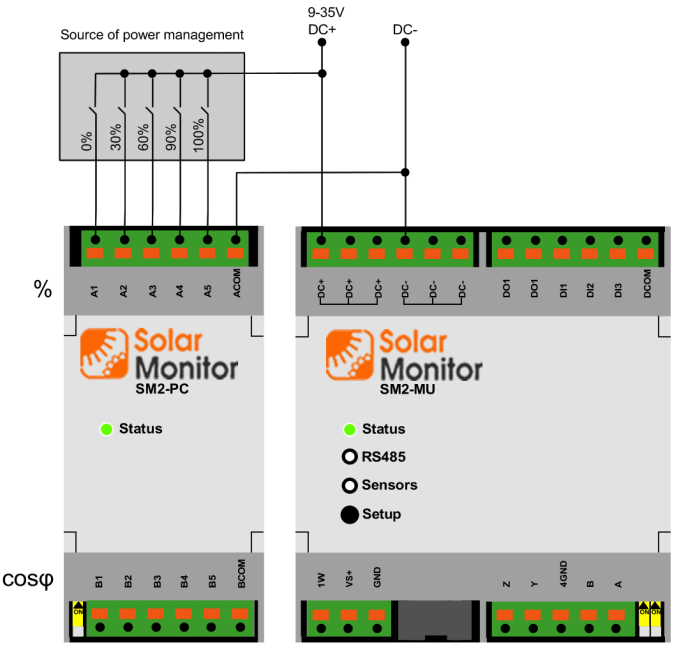
3. Step
Connection of power control signals

For the correct power control function bring the DC- signal to the module SM2-PC on ACOM and BCOM terminals. For source of power management (net operator´s device) it is necessary to bring the DC+ signal to its common terminal. Power control signals are brought to clamps A1-A5 for active power controlling in % and to terminals B1-B5 for reactive power controlling (cos φ).



Example of connection with PLC Tecomat Foxtrot from company Teco

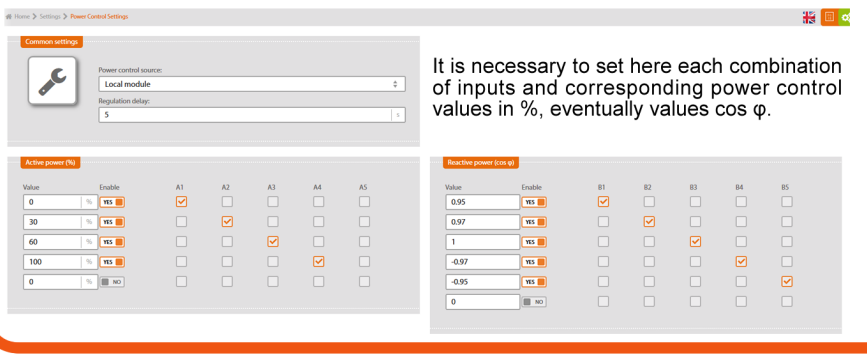
This picture shows the example of the connection for active power control in steps 0 - 30 - 60 - 100%.



4. Step
Startup and configuration

If modules are connected and the power source is connected to Solar Monitor, green LED diode status must light on SM2-PC. In the opposite case check the module connection with SM2-MU.

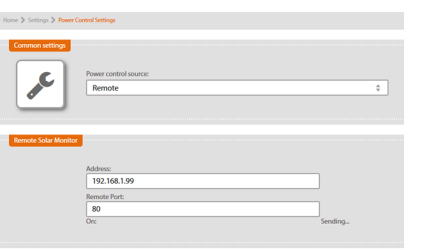
Open menu "System settings/ Power Control" in your internet browser.



It is necessary to set here each combination of inputs and corresponding power control values in %, eventually values cos φ.

If you want to use power control module for other Solar Monitor units, which are in the same net as the unit, which the module SM2-PC is directly connected to, choose the possiblity “Remote“ in “Power control source”. It is not necessary to connect the module SM2-PC to these units. Controlling is under way of the local module configuration.

Then write the address of SM2-MU, which the power control module is connected to.



Detailed information: wiki.solarmonitor.cz