

Information for EFOY Pro customer

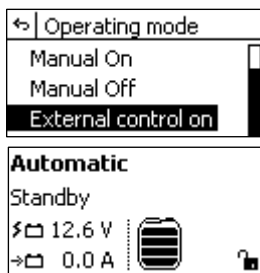
Guide for initial configuration of EFOY Pro 800 / 800 Duo / 2400 / 2400 Duo to Cluster Controller CC1

The cluster controller CC1 enables you to charge a battery using several EFOY devices simultaneously.

Please note that devices operating in parallel must be configured identically.

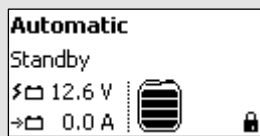
The master fuel cell will start after the set parameters are fulfilled. This master device does not have any signal on the display nor at the fuel cell. You cannot configure which EFOY Pro fuel cell is master or slave, it will be set automatically.

1) Configuration and Operating Panel OP2 display screens



First activate the external control mode via the operation panel OP2 by choosing "External control on" in the submenu "Operating mode".

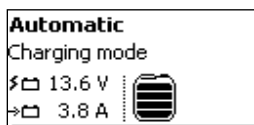
An open padlock is displayed at the bottom right of the display.




INFO:

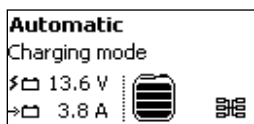
If you have not enabled external control, a closed padlock is displayed at the bottom right of the display when an external signal is being received.


Master:



An  -Icon will appear on the right side of the slave displays. The devices will switch to charging mode after a three-minute delay in order to prevent the voltage from dropping too radically should the battery be very low. "Charging" will likewise appear on the second line of the displays.

Slave:

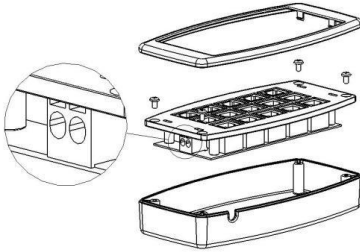


Once the battery is fully charged, all devices will switch back to the monitoring mode. The  -Icon will disappear from the right corner of all remote controls. "Automatic" and "Standby" will continue to appear on the first and second lines respectively.

Should you wish to charge the battery manually, you can do so by choosing "Manual On" at the operation panel OP2 to switch the device "On". All the other devices will automatically turn on. The battery will now be charged until the switch off threshold is reached, after which all devices will switch back to automatic mode.

2) Remote signal for external control

For a detailed installation please refer to the User Manual Cluster Controller CC1.



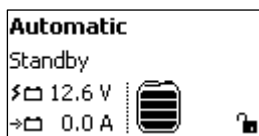
The cluster controller CC1 enables you to operate one or more devices remotely. This is of particular interest if you are using other energy sources such as photovoltaic cells, and wish to use the fuel cell(s) exclusively as a backup.

There is a two-pin terminal clamp on the left side of the plate next to the ports for device 1. In order to control your device(s) manually, you must apply voltage to these contacts.



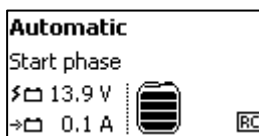
CAUTION!

In order to use the functions of the “Remote On” contacts, a device must be connected to the first port (on the left side, marked with “EFOY” and “1”).



Activate the external control mode via the operation panel OP2 by choosing “External control on” in the submenu “Operating mode”.

An open padlock is displayed at the bottom right of the display.



If a voltage between 3 V and 40 V is applied to the “Remote On” contacts, the device that is connected to the first port on the cluster controller will automatically switch to charge mode. An RC-Icon will appear on the display on the right. If additional devices have been connected to the cluster controller, they will come on line after a three-minute delay.



CAUTION!

Make sure that the “Remote On” signal disappears after you have finished charging. If the signal remains on for a long time when the battery is fully charged, the device will restart after just a slight dip in battery voltage. This could result in increased wear and tear of the device(s).

In case of questions, please contact us via email: service@sfc.com or phone: +49 89 673 592 - 555