Manuals+ — User Manuals Simplified.

MYPV AC-THOR Fronius Inverter and Smart Meter Instructions

**Instructions for connecting
AC•THOR® or AC ELWA®-E
to Fronius inverter and Smart Meter
or Fronius Gen24 inverter and Smart Meter**

Contents

Default settings on AC•THOR or AC ELWA-E

Before commissioning, it is essential that you read the assembly instructions that accompany the device, as well as the operating instructions available on line.
Find the AC•THOR operation manual **here**.
Find the AC ELWA-E operation manual **my-PV**.

Communication of AC•THOR or AC ELWA-E with Fronius

AC•THOR or AC ELWA-E are connected to Fronius in the network via a router. Within this network, the device

receives information from Fronius about how much photovoltaic surplus is available.

⚠ Do not connect the unit directly to the inverter or battery system!

⚠ When controlled by an inverter, a feed-in meter is required in the system. The query of the inverter otherwise provides no data.

## Settings on AC•THOR or AC ELWA-E

The control settings of the AC ELWA-E are factory set to "Auto Detect" mode. The AC ELWA-E should detect the signal of the Fronius Smart Meter automatically, otherwise the control setting "Fronius Auto" can be set in the web interface of the device under "Setup". No other settings need to be made.
Alternatively, "Fronius Manual" can be selected. The IP address of the Fronius Smart Meter can be specified statically. This is also necessary if several signal sources are present in the network. If, in addition to other inverters, a hybrid inverter is also installed, this must be specified as the signal source.
If the Fronius Gen24 is used as the signal source instead of the Fronius Smart Meter, then "Fronius Gen24 Manual" is also available for selection.

⚠ With the "Fronius Manual" or "Fronius Gen24 Manual" setting, the IP address of the signal source must not change during operation (e.g. through a DHCP router), otherwise the AC•THOR or AC ELWA-E loses the control signal!
The AC•THOR has no "Auto Detect" mode. The signal source is selected on the display during commissioning or can be set on the web interface. For "Fronius Manual" or "Fronius Gen24 Manual" the IP address of the signal source must then be statically entered on the display under "Ctrl IP".
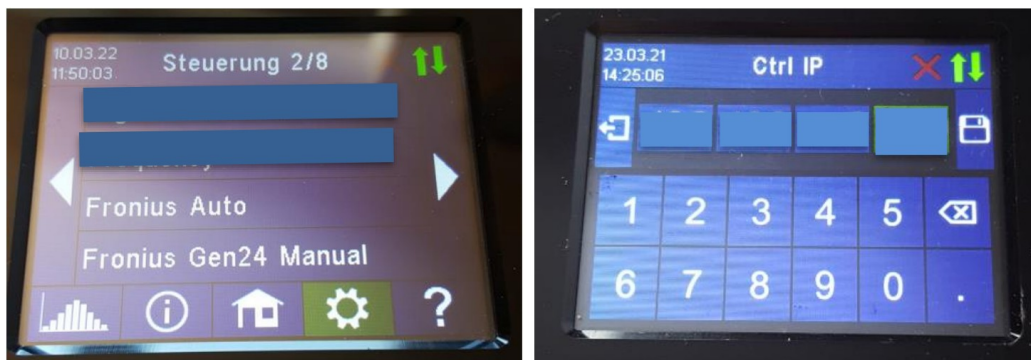
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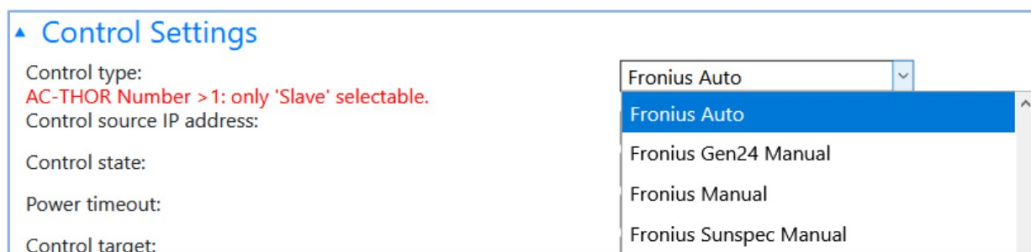
Settings for control by Fronius Gen24

Settings on Fronius Gen24

- Activate „Slave as Modbus TCP"
- Make a note of the Modbus Port (for my-PV, 502 is preset as the Device port)
- Make a note of the Meter Address (for my-PV, 241 is preset as the Device ID)
- The energy meter must be configured as a feed-in meter. Not as a consumption meter!

Settings on AC·THOR or AC ELWA-E

In the web setup, the parameters "Device ID" and "Device Port" can also be set.

Do not change the "Power timeout".

If there is a battery storage unit in the system and it is to be charged with priority, then the "Control target" should be set to -150 W. Otherwise, we recommend -50 W.

Combination with battery storage at zero feed-in

When commissioning a hybrid system with battery storage in conjunction with zero feed into the public grid, special settings are required. Please contact my-PV's technical support for this purpose. We will be happy to help you!
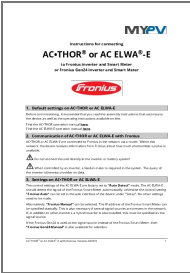
Subject to change.

MYPV

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AC·THOR® or AC ELWA®-E with Fronius,
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Documents / Resources

MYPV AC-THOR Fronius Inverter and Smart Meter [pdf] Instructions
AC-THOR or AC ELWA-E, AC-THOR Fronius Inverter and Smart Meter, AC-THOR, Fronius Inverter and Smart Meter, Smart Meter, Inverter and Smart Meter, AC ELWA-E

References

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