

Instructions for connecting  
**AC•THOR® or AC ELWA®-E**  
to the VARTA Modbus TCP Protokoll




### 1. 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.

### 2. Combination of AC•THOR or AC ELWA-E with Varta

The control settings of the AC ELWA-E are factory set to "**Auto Detect**" mode. The AC ELWA-E should detect the signal automatically, otherwise the control setting "**Varta Auto**" can be set in the web interface of the device under "Setup". No other settings need to be made.

Alternatively, "**Varta Manual**" can be selected. The IP address of the signal source can be specified statically. This is also necessary if several signal sources are present in the network.

 With the "Varta Manual" settings, the IP address of the signal source must not change during operation (e.g. through a DHCP router), otherwise the 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. The "**Varta Auto**" or "**Varta Manual**" options are also available here.

### Control Settings / Steuerungs-Einstellungen

Control Type: / Ansteuerungs-Typ:	Auto Detect
Control Source IP Address: / IP Adresse der Ansteuerung:	Auto Detect
Control Status: / Status Ansteuerung:	HTTP
Power Timeout: / Zeitablauf Ansteuerung:	Modbus TCP
Control Target: / Zielwert der Regelung:	Fronius Auto
<small>Negative value means feed-in. Only change this value if you are familiar with the control strategy - read Help for more details. Negativer Wert bedeutet Einspeisung. Verändern Sie diesen Wert nur, wenn Sie mit der Regelungsstrategie vertraut sind - siehe Hilfe für weitere Details.</small>	Fronius Manual
	SMA Home Manager
	Steca Auto
	Varta Auto
	Varta Manual
Block Start Hour: / Sperre Start-Stunde:	0
Block Stop Hour: / Sperre Stop-Stunde:	0
<b>Save / Speichern</b>	

## Network structure

AC•THOR or AC ELWA-E are connected to Varta in the network via a router. Within this network, the device receives information from the Varta on how much photovoltaic surplus there is.

Control by Varta is passive. AC•THOR or AC ELWA-E are not displayed as separate consumers in the Varta webinterface. Their power consumption is included in the displayed direct consumption.

Corresponding wiring diagrams for both devices can be downloaded from [www.my-pv.com](http://www.my-pv.com) at any time!

my-PV GmbH  
Teichstrasse 43, 4523 Neuzeug  
[www.my-pv.com](http://www.my-pv.com)

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