

How to connect Kronoterm TT3000 heat pump with Reduxi controller

Add your Kronoterm heat pump with the TT3000 control unit to the Reduxi Controller via Modbus.

🔧 Kronoterm TT3000 · Reduxi Controller

🌐 Modbus via TCP/IP or RS485

🔢 Modbus unit ID: normally 1

KRONOTERM

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1 Technical documentation

Instructions on how to connect and configure the heat pump are on the manufacturer web page.

- [Kronoterm support – technical documentation](#) – Instructions on how to connect and configure the device (manufacturer web page)
- [Kronoterm downloads](#) – Manuals and documents of Kronoterm products
- [Kronoterm WPG-07-1 HT: manual for installation, use and maintenance](#) – Kronoterm manual on ManualsLib with the schematic of the TT3000 control unit (page 27)

2 Required equipment

You need these components:

- ☐ Reduxi Controller
- ☐ Network connection (TCP/IP) or RS485 connection between the heat pump and the Reduxi Controller
- ☐ Laptop or tablet with internet access to configure the device in Reduxi

3 Connect and configure the heat pump

Connect and configure the Kronoterm heat pump as described on the manufacturer web page. See [Point 1](#).



TT3000

The TT3000 is the internal control unit of the Kronoterm heat pump. In the Kronoterm manual for the WPG-07-1 HT, its **TEX** connection provides Modbus communication with the control system of the building.

MANUFACTURER

Kronoterm

CONTROL UNIT

TT3000

CONNECTION TO REDUXI

TCP/IP or RS485
(Modbus)

LEVEL OF INTEGRATION

Read and control

The values are listed in the List of supported devices.

4 Log in to the Reduxi web interface

You can open the Reduxi web interface in two ways:



Reduxi app

Via tunnel connection · works from anywhere

REMOTE



Web browser

In the local network · via IP address or `reduxi.local`

4.1 Via the Reduxi app

1 Open the app and log in

Launch the Reduxi app on your smartphone or tablet and log in with your credentials.

2 Open Reduxi devices

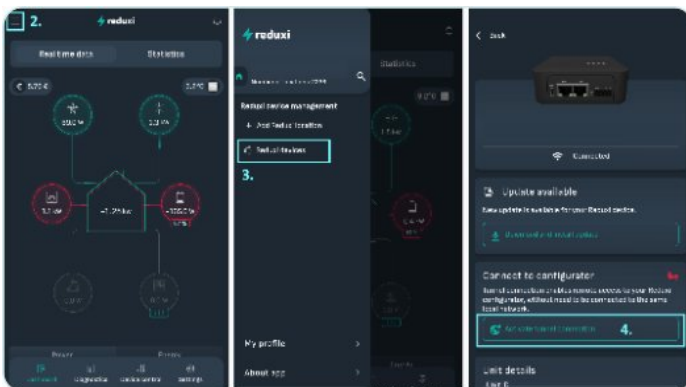
Tap the menu icon (three lines, top left) and select **Reduxi devices**.

3 Activate the tunnel connection

Switch on the tunnel connection and wait a moment until it is active.

4 Open the configurator

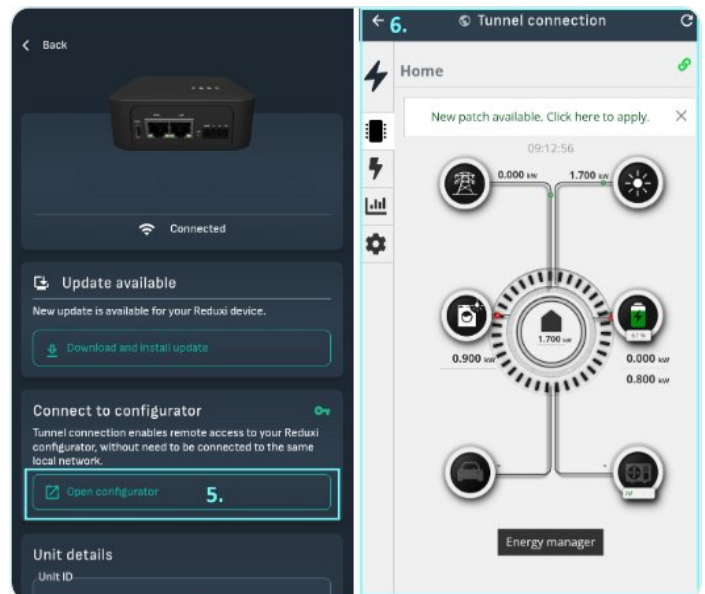
Tap **Open configurator**. The Reduxi web interface opens.



Activate the tunnel connection (step 3)

Text description of this image

Screenshot of three Reduxi mobile app screens side by side, with cyan boxes and number badges 2 to 4. Left screen (dashboard, dark theme): menu icon at top left marked with a box and badge 2; 'reduxi' logo; tabs 'Real time data' (active) and 'Statistics'; price 5.79



Open configurator (step 4)

Text description of this image

4.2 Via a web browser

1 Open the login page

On a device in the same network, open a web browser and enter the controller's IP address or <http://reduxi.local>. You can find the controller's IP address in your router's device list or in the Reduxi app under **Reduxi devices**.

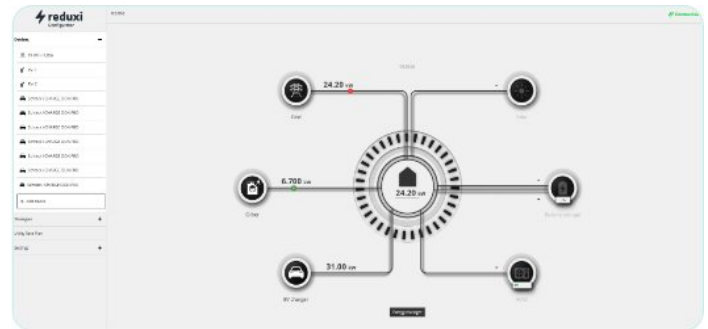
2

Log in

Username: **admin** · Password: **admin** (factory default)



Reduxi Controller login screen



Controller web interface after login

Text description of this image

2. Text description of this image

Screenshot of the Reduxi Configurator web interface

5 Add the heat pump to Reduxi

Use these steps to add a new heat pump or to edit an existing one.

5.1 Basic settings

Log in locally to the [Reduxi Configurator](#) on the controller (see [Point 4](#)) and click **+ Add device**.

Enter the basic settings of the device:

- Device type: **HVAC**
- Type: **Kronoterm TT3000**
- Name: a name of your choice, for example **Kronoterm TT3000**

5.2 Communication settings

Select the communication channel and enter the device configuration:

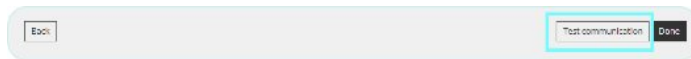
PARAMETER	VALUE
Communication channel	TCP/IP or RS485 , depending on how the heat pump is connected
Modbus unit ID	Normally 1

5.3 Advanced settings

Enter and choose the advanced settings.

5.4 Test communication

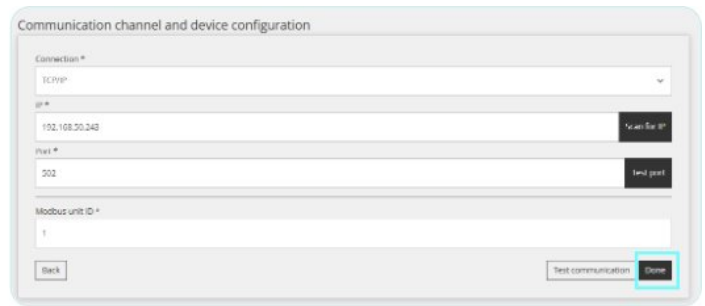
Click **Test communication** at the bottom of the wizard. It reads the Kronoterm TT3000 once and saves nothing. If the test succeeds, click **Done**: only **Done** creates the device.



The *Test communication* button

Text description of this image

Screenshot of the bottom button bar of a Reduxi Configurator page. Left: button 'Back'. Right: button 'Test communication' (marked with a cyan box) and dark button 'Done'.



The *Done* button

2. Text description of this image

6 Check the readings

6.1 Last measurements

After communication is established, check the values under **Devices – Kronoterm TT3000** in the Reduxi Configurator as an additional test.

6.2 Enable control by Reduxi

For advanced control, integrate the heat pump into the Reduxi strategy. Under **Devices – Kronoterm TT3000** in the Reduxi Configurator, set the **control type** to **AUTO**. Only then do strategy commands affect the heat pump.

To achieve maximum flexibility and energy cost reduction with dynamic prices and dynamic tariffs, define a strategy as described in [Strategies for Reduxi controller](#).

✓ Summary

Preparation (Points 1–2): Open the Kronoterm documents. Prepare the controller, the connection to the heat pump and a laptop or tablet.

Kronoterm TT3000 (Point 3): Connect and configure the heat pump as described by Kronoterm.

Add to Reduxi (Points 4–5): Log in to the Reduxi web interface. Click + Add device, enter the basic settings, the communication settings and the advanced settings. Run Test communication and click Done.

Go live (Point 6): Check the readings under Devices and set the control type to AUTO.

→ Common issues

ISSUE	SOLUTION
Test communication fails	Check the Modbus unit ID. Normally <code>1</code> is used. Check that the communication channel (<code>TCP/IP</code> or <code>RS485</code>) matches the connection to the heat pump.
Open configurator does not open or stays empty	The tunnel is not active yet. Wait about 30 seconds and check that the controller is online.
Login with <code>admin</code> is rejected	The password was changed during installation. Ask the installer. The Reduxi account password does not work here.
<code>reduxi.local</code> does not load	Your device is not in the same network as the controller. Use the IP address or the tunnel connection.
Communication test fails, device shows offline	Check reachability, IP address / port / unit ID, and that the protocol is enabled on the device.

→ Related articles

Matching guides from the Reduxi knowledge base:



Kronoterm downloads

Manuals and documents from the manufacturer



Device setup guides

All step-by-step guides for connecting devices to the Reduxi Controller



Strategies for the Reduxi Controller

Energy manager and other strategies explained