

## Product Description / Intendend Use

- The ELREHA Gateway serves as a frontend of a cooling plant by communication with control systems via interfaces. It prepares all recorded values and presents them on websites
- The ELREHA Gateway is designed to connect all ELREHA control systems with RS-485 interfaces
- To view, to adjust and to call up the values only a current browser is necessary
- Recording of alarm/state messages and measuring values
- Alarm messages can be sent by Email
- It can be integrated in PC networks by an ethernet connection
- All PC's in this network are able to access to all information
- In this way it is possible to connect and access the ELREHA Gateway to the internet
- 4x USB, 2x Ethernet
- The Web Gateway is provided for dry and dust-free environment



# ELREHA

ELEKTRONISCHE REGELUNGEN GMBH

Technical Manual **5320022-00/04e**

from Software Version 3.5.1

## ELREHA Gateway Web Solution 2.0

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The ELREHA Gateway  
can be operated with  
these browsers:

Internet Explorer from version 9  
Mozilla Firefox from version 35  
Microsoft Edge from version 12  
Google Chrome from version 47



**Please note the  
Safety Instructions !**

### Electrical Connection



Power Supply Connector  
Power Supply  
12V DC, 5A

Dimensions ..... (H x W x D) 46 x 134 x 124 mm  
Ambient conditions  
for operation: ..... -20°C...60°C  
0-95% relative humidity,  
not condensing  
Clean only with damp cloth

without function

Ethernet/Network 2  
Fixed IP-Address  
169.254.1.100

Ethernet/Network 1  
DHCP (factory set)  
and adjustable

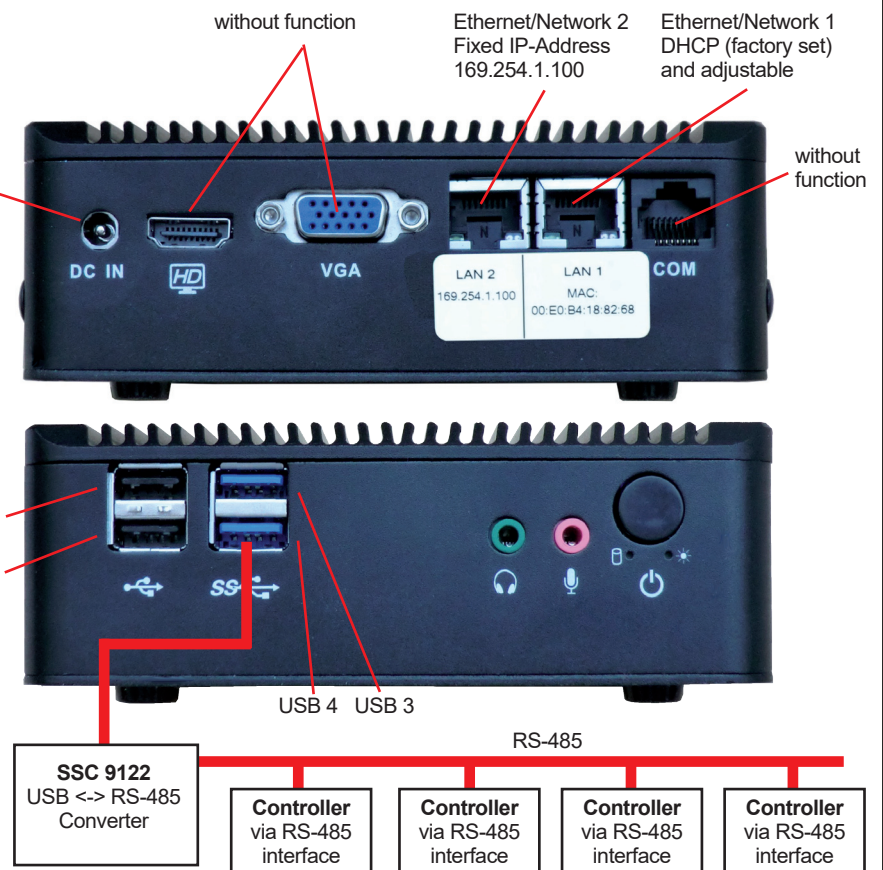
without  
function

USB 1  
USB 2

USB 4 USB 3

### Controller networking via SSC <-> RS-485 Interface

The ELREHA Gateway communicates via an SSC-9122 interface converter and an RS-485, 2-wire connection with up to 64 controllers on a bus. Each controller that is connected to the ELREHA Gateway is assigned an individual address.



## Supported Controllers

BMT	EVP 1130	EVP 1140	EVP 3150-2	EVP 3167	EVP 3168	HMR 3168	MSReco 3130	MSReco 3140	SM 501	SMZ	TAR x260-2	TAR x700-2	TAR x810-2	TAR x820-2
V1.0.1-V1.0.6	V1.02-V1.05	V1.03-V1.06	V1.58-V1.61	V1.03-V1.06	V1.02-V1.05	V1.0-V1.01	V1.01-V1.04	V0.53-V2.04	V1.0.1	V3.56-V3.59	V1.03, V2.0.0	V1.0.0	V1.0.1-V1.0.5, V2.0.0-V2.0.2	V1.0.0

TKP 19130/19140 TKP 3130,-40.-50	USP	VBZ 3006-2	VPR 5240-2	Daikin Outdoor Unit	Daikin Booster Unit	Daikin RTD	Diris A10	Diris A40
V2.10-V7.00	V1.31	V1.0.4	V02.17.04, V 02.18.00, V02.18.08, V02.19.00, V02.19.01, V02.20.00, V02.20.01	supported	supported	supported	supported	supported

## Access Configuration

The configuration of the ELREHA Gateway must be done via the line Ethernet/Network 2. The IP-address is factory set to

**169.254.1.100**

1. The ELREHA Gateway is connected to the available network, or even directly via a Cross Over Ethernet Cable.

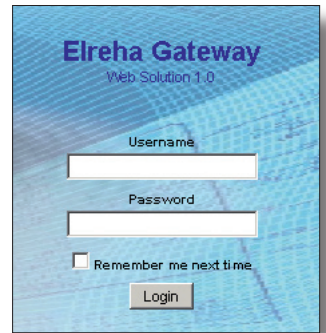


**The Ethernet cable connection must already be in place before the ELREHA Gateway is switched on.**

2. Depending on the operating system, it may be necessary to change the IP address of the PC to the following range: 169.254.1.xxx.  
Otherwise, the ELREHA Gateway may not be detected.

3. Start browser and enter http://169.254.1.100 in the address bar. Please do not enter „www“ as part of the address. This will result in the ELREHA Gateway not being found and the following failure message will be displayed:  
'Page not available/Seite nicht verfügbar'.

4. A „login“ window will appear requesting a Username and Password to be entered. The default for both entries is 'admin'. The Username and Password can be changed by selecting 'Settings/Users'.



## Overview

Once the user is logged in, an Overview page will appear, which will display all the current parameters of any controllers connected to the system, including temperatures, setpoints, and failure messages.

Via the Menu on this page, the user is also able to access all sub-pages, and can also view graphs of temperature sequences.

Language

Menu

Information about the plant and the location

Probe inputs 1-7. The Name/Function will fade in when the user hovers the cursor over each line.

Overview	Status	F1	F2	F3	F4	F5	F6	F7	Setpoint	Line / Address
Störmelder SM501	<span style="color: red;">■</span>	----	----	----	----	----	----	----		2 / 6
VPR Verbundsteuerung	<span style="color: red;">■</span>	----	----	----	----	----	----	----		1 / 1
Kühlraum 1	<span style="color: green;">■</span>	-26.0 °C	off	off	off	off	off	off	-20.0 °C	1 / 1-30
TKP 108	<span style="color: green;">■</span>	24.4 °C	off	off	off	off	off	off	35.0 °C	1 / 1-108
Störmelder	<span style="color: red;">■</span>	----	----	----	----	----	----	----		2 / 79
TK Raum 2	<span style="color: green;">■</span>	-16.5 °C	-18.2 °C	off	off	off	off	-17.3 °C	-13.4 °C	2 / 0
Mehrstufenregler	<span style="color: green;">■</span>	-9.9 °C	0.0 °C	----	----	----	----	----	-20.0 °C	2 / 1
Eiscreme	<span style="color: green;">■</span>	-10.5 °C	-53.5 °C	----	----	----	----	----	-25.5 °C	2 / 2
3-Punkt Regler	<span style="color: green;">■</span>	-7.4	off	----	----	----	----	----	10.0 °C	2 / 3
Moprorregal 1	<span style="color: green;">■</span>	----	----	----	----	----	off	off	-20.0 °C	2 / 4
Verbundregler 2	<span style="color: red;">■</span>	----	----	----	----	----	off	----	0.0 °C	2 / 19
BMT 1	----	----	----	----	----	----	----	----	----	2 / 30
BMT 2	----	----	----	----	----	----	----	----	----	
TAR 3810-2 K3	----	----	----	----	----	----	----	----	----	

Red: Indicates current failure(s).  
Grey: Indicates all okay.  
White: Device status is being read.

■ Cooling station integrated in the upper VPR

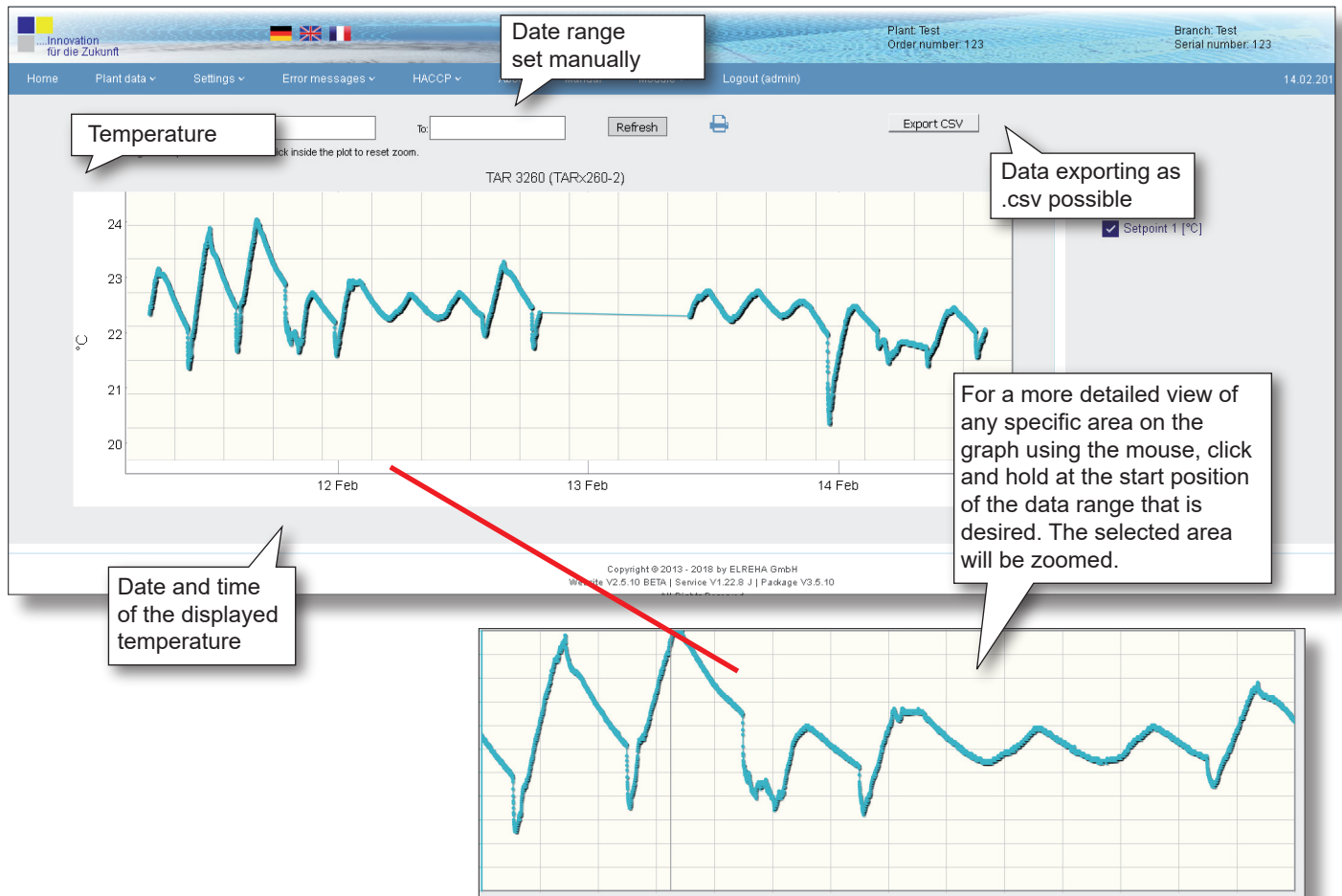
By selecting a device in this column, an Overview Page will be displayed for that device.  
By hovering over a device in this column, the Controller Type will be displayed.

Evaluation =  
Select to access Graph Overview

## Page 'Evaluation' (Graphical Overview)

By selecting the 'Evaluation' icon for any device on the 'Overview Page', a new page will be displayed with a graph of all the actual data points. The user can zoom into specific time periods and data

points at any time. By double clicking, the whole view can then be restored.



## Page 'Sorting of controllers'

On this page the controller list displayed on the start page can get sorted using drag and drop.

**Overview**

Line / Address	Controller
1 / 77	TAR 3260
1 / 5	GER
2 / 1	VPR52-40-2
1 / 79	SMZ Nummer 1

Save

Changes can get saved here

Home Plant data Settings Error messages HACCP About Manual Module

System configuration  
Fault signal forwarding  
General  
Email Account  
Plant log  
Access to IT data  
Logbook  
Sorting of controllers

Overview about the settings of all Controllers

On this page all configured controllers will be shown with their subdirectories and set/settable parameters.

Grey fields indicates that the value has not yet been read and cannot be changed. Each controller type is displayed individually.

The selected device will always be displayed here.

Links to subpages

Links to different controller pages

Erases all unsaved changes

All adjusted/ current settings will be saved.

Use the 'TAB' key to shift focus from field to field.  
Any new entries will only be saved by selecting the 'Save' button on the page.

In the VPR system integrated cold storage controllers will be displayed in the VPR directory under "Cold storage controllers".



## Function Pages

In the menu 'Plant data' you can find all necessary settings for the configuration of the ELREHA Gateway.

### Page 'System configuration'

At this page you will find the overview with information about the used interfaces and the number of connected controllers.

The screenshot shows the 'System configuration' page in the ELREHA Gateway web interface. A red arrow points from the 'Plant data' menu to the 'System configuration' option. Callouts provide the following information:

- Select to enter and set the maximum storage:** Points to the 'Max. data storage (in months)' dropdown menu.
- Select to add/configure a new controller line:** Points to the '+ Create a line' button.
- Select to access the Line Configuration. Changes cannot be made here.** Points to the 'Line 1' entry in the table.
- Select to edit entries on a specific line:** Points to the edit icon (pencil) for 'Line 1'.
- Erase all entries:** Points to the 'Erase all' button.

Line	Description	Port device	Transmission rate	Number of controllers
1	VPR Line	elreha-udp		3
2	SMZ Line	elreha-rtsp	9600	11

### Page 'Line'

Use this page to enter the controllers which are connected to the ELREHA Gateway.

#### Basic Entries

##### Description

Name assigned to the connection.

##### Type

Data connection type being utilized.

##### Port device

Method of interface (Ex. USB, etc.).

##### Timeout

Remaining time until time-out expressed in seconds.

##### Transmission rate

Maximum transmission speed in Baud, e.g. 9600, 57600

The screenshot shows the 'Line' configuration page. Callouts provide the following information:

- Select to save changes:** Points to the 'Save' button.
- Select to add a new controller:** Points to the '+ Add a controller' button.
- Selecting this box will delete the entry when the „Save“ button is clicked.** Points to the 'Delete' checkbox in the controller list.

Line Nr.	Description	Type	Address	Sub-Address	Host	Description	Controller type	Record interval [min]	HACCP interval [min]	Unused	Delete
1	Test	elreha-udp			192.168.0.40	VPR240-2	VPR240-2			<input type="checkbox"/>	<input type="checkbox"/>

Under the 'Controller List', all controllers that are entered will be listed. Only the host and the recording intervals can be changed in this list.

## Adding a new line with new controllers

Fields with \* are required.

Line No. Description Timeout [s] Controller type Record interval [min] HACCP interval [min]

Controller Overview

Address \* Description Controller type Record interval [min] HACCP interval [min]

Recording Settings Add

HACCP-Settings HACCP text Min Max Add

The name of this information

Min. and max. values

Save all parameters

Address of the controller on the line

Add

The name of this information

Min. and max. values

Add

Recording Settings

Actual temperature 1  
Actual temperature 2  
Actual temperature 3  
Actual temperature 4  
Actual temperature 5  
Virtual temperature value  
Actual Overheat Temperature  
Current setpoint  
Actual Value of the analog output  
Opening EEX-Valve average  
Digital input 1  
Digital input 2  
Relay status 1  
Relay status 2  
Relay status 3  
Relay status 4

HACCP-Settings

Actual temperature 1  
Actual temperature 2  
Actual temperature 3  
Actual temperature 4  
Actual temperature 5  
Virtual temperature value

This field specifies which values to record.

This field specifies which values will be displayed in the HACCP Overview.

When creating a new line, the correct interface method must be selected, (Ex. USB0, etc.).

In order to connect an SMZ device to a line, all other controllers must be separated and configured as 'Slave' devices to the SMZ.

## Adding a new line with VPR

Is a VPR selected at this line, only cold storage controllers can be integrated to the VPR.

Home Plant data Settings Historical errors HACCP

Home Plant data System configuration

Max. data storage [in months] Save

Create a line

Here the page will be opened which can be used to configure a new control line.

Fields with \* are required.

Line No. Description Timeout [s] Type elreha-udp

Controller Overview

Address \* Host \* Description Controller type Record interval [min] HACCP interval [min]

Recording Settings Add

HACCP-Settings

min. 8 sec.

Select elreha-udp here

IP-Address and port VPR. Format: IP:Port. If no port is given, the default port of the VPR will be used (55555).

Room temperature  
Room humidity  
(1) Suction pressure actual value  
(2) Suction pressure actual value  
(3) Suction pressure actual value  
(1) Circ. 1 Condensation pressure actual value  
(2) Circ. 1 Condensation pressure actual value  
(1) Condensation temperature actual value  
(2) Condensation temperature actual value  
(1) Condensation temperature actual value  
(2) Condensation temperature actual value  
(1) Condensation temperature actual value  
(2) Condensation temperature actual value  
(1) Condensation temperature actual value  
(2) Condensation temperature actual value  
(1) Condensation temperature actual value  
(2) Condensation temperature actual value

After a new line has been created for a VPR, this page appears after the call, which also contains an overview of the controllers connected to the VPR.

## Page 'Access to IT data'

On this page you will find all settings which are necessary to integrate the ELREHA Gateway into a network.

### DHCP

When the DHCP box is selected, the IP address, the subnet mask, and the gateway will be applied automatically. The same information will need to be entered manually if this box is not selected.

### IP Address

Address in the network

### Subnet mask

Mask setting of the network

### Gateway

IP address for the outside connection

### DNS

Nameserver

### Time server

Server for synchronization of the time of day, e.g.: de.pool.ntp.org

With 'Save' all parameters will be saved



After saving, the server will reboot in order to apply the changes. The server will not be accessible during this time.



Standard HTTP access occurs via port 80, via Port 443 can be accessed by HTTPS (Hypertext Transfer Protocol Secure) to the Gateway.

Depending on which port is enabled in the customer's network, the access can be enforced via HTTP or HTTPS. If both ports are unlocked, the access is possible via HTTP or HTTPS.

## Page 'Fault signal forwarding'

With the link 'Add signal forwarding' a configuration page will be called up.

### Channel

Select the method to forward the message.

### Description

Select to enter a comment or description.

### Days of the week

Select which days to enable message forwarding.

### from - to

Select to define the period within which messages will be forwarded.

Fields with \* are required.

Forwarded as \*  E-Mail language

Description \*

Days of the Week \* ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

From - To \*  -

Time Control message  Time must be from 00:00 to 23:59

☐ System

☐ Line 1: System

☒ 1/1 VPR Verbundsteuerung (VPR102)

☒ 1/1-1 Kühlraum 1 (EVP3167)

☐ Line 3: System

☒ 3/2 Mein EVP 1140 (EVP1140)

☒ 3/45 SMZ (SMZ)

☒ 3/66 EVP3150-2 (EVP3150-2)

☒ 3/77 TAR 3260 (TAR3260-2)

Select all Clean all

☒ 0 - No failure

☒ 1 - Breakage Sensor 1: Istwert 1

☒ 2 - Short-circuit Sensor 1: Istwert 1

☒ 3 - Over temperature Sensor 1: Istwert 1

☒ 4 - Under temperature Sensor 1: Istwert 1

☒ 5 - Breakage Sensor 2: Istwert 2

☒ 6 - Short-circuit Sensor 2: Istwert 2

☒ 7 - Over temperature Sensor 2: Istwert 2

☒ 8 - Under temperature Sensor 2: Istwert 2

☒ 9 - Optocoupler 1

☒ 10 - Optocoupler 2

☒ 11 - Break current input

☒ 12 - Short-circuit current input

☒ 10001 - Timeout

Select to test the current email settings. The existing settings for mailserver and email account will be used.

Select to save and changes.

Each device can be assigned an individual error message to be forwarded.

Select the failure message to be forwarded.

Email language: adjustable to: email recipient  
cc: copy to  
bcc: hidden copy to

### Host

SMTP mailserver

### SMTP-Port

Mailserver port

### Connection Security

Here the corresponding methods can be selected

### User / Password

The necessary data for transmission

Plant: Test  
Order number: 123  
Branch: Test  
Serial number: 123

15.02.2018 / 08:47

Home » Plant data » Fault signal forwarding

+ Add signal forwarding

Displaying 1-1 of 1 result.

Description	Forwarded as	Days of the Week	From - To
test_160	email	Mon - Tue - Wed - Thu - Fri - Sat - Sun	00:00 - 23:59

When the 'Fault Signal Forwarding' page is opened, any existing entries will be displayed in an overview list. This can be edited at any time.



## Page 'Logbook'

On the page 'Logbook' controller and parameter changes as well as special events are logged.

Select the time range to display.

Printing

Date / Time	Controller name	Controller type	Parameter	Old value	New value	User	Description
29.07.2016 / 11:58	----	----	----	----	----	admin	plant.xml changed
29.07.2016 / 11:58	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:22	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:22	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:18	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:18	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:18	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:18	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:18	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:17	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:17	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:17	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:16	----	----	----	----	----	admin	plant.xml changed
25.07.2016 / 16:16	----	----	----	----	----	admin	plant.xml changed

## Page 'General'

Here all information about the plant can be entered.

URL to Gateway. Is then located as info in the fault forwarding emails

With 'Save' all entries will be stored

The information marked with '\*' will be displayed at the top right corner of each page.

## Page "Email Account"

The email account used to send the fault signal emails is defined here.

The screenshot shows the 'Email Account' configuration page in the ELREHA Gateway interface. The page has a blue header with the 'Innovation für die Zukunft' logo and navigation tabs for 'Home', 'Plant data', and 'Settings'. The 'Settings' tab is active, and a dropdown menu is open, showing options like 'System configuration', 'Fault signal forwarding', 'General', 'Email Account' (selected), 'Plant log', 'Access to IT data', 'Logbook', and 'Sorting of controllers'. The main form contains the following fields and callouts:

- From \***: A text field containing 'test@elreha.de'. A callout bubble points to it with the text 'Address of sender'.
- Host \***: A text field containing 'smtp.strato.de'. A callout bubble points to it with the text 'Provided by the provider'.
- SMTP Port**: A text field containing '587'. A callout bubble points to it with the text 'Provided by the provider'.
- Connection security**: A dropdown menu set to 'STARTTLS'. A callout bubble points to it with the text 'Provided by the provider'.
- User \***: A text field containing 'test@elreha.de'. A callout bubble points to it with the text 'User name mailaccount'.
- Password**: A text field. A callout bubble points to it with the text 'Password'.
- Test mail to**: A text field. A callout bubble points to it with the text 'Here can be send a testmail to (xx@xx.xx)'.

At the bottom of the form are 'Cancel' and 'Save' buttons. A red arrow points from the 'Email Account' menu item to the 'From' field.

### Host

SMTP Mailserver

### Connection security

The relevant protocols are defined here

### SMTP Port

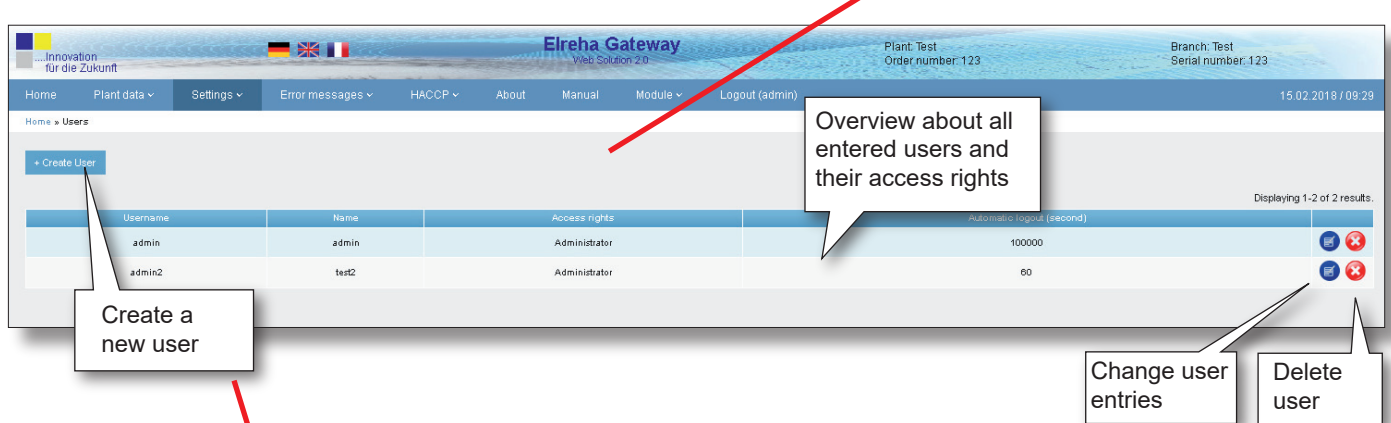
Mailserver Port

### User / Password

The data required for transmission

## Page 'Users'

This page is used to define and enter user access and rights.  
The system provides 4 levels of user access from 'Administrator' to 'Read Only'.



Overview about all entered users and their access rights

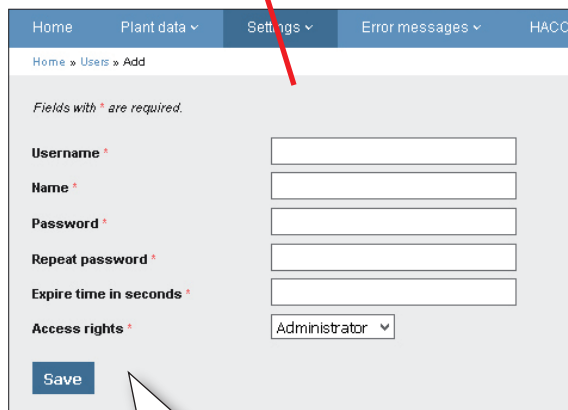
Username	Name	Access rights	Automatic logout (second)
admin	admin	Administrator	100000
admin2	test2	Administrator	60

Displaying 1-2 of 2 results.

Create a new user

Change user entries

Delete user



Home » Users » Add

Fields with \* are required.

Username \*

Name \*

Password \*

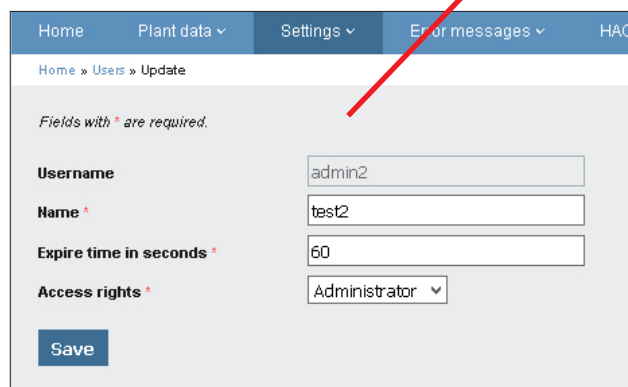
Repeat password \*

Expire time in seconds \*

Access rights \*

Save

All fields marked with '\*' must be filled.  
With a click here, the new user will be confirmed and stored.



Home » Users » Update

Fields with \* are required.

Username

Name \*

Expire time in seconds \*

Access rights \*

Save

### Access Rights

- 1 : Administrator
- 2 : Service
- 3 : Technician
- 4 : Customer / read only

#### 1. Administrator Rights / Possible Settings

- All Access Rights
- Read User Information
- Adding User
- Erase User
- Edit User

#### 2. Service Rights (rights 3 + 4 possible)

- Change Plant Configuration
- Erase Plant Configuration

#### 3. Technician Rights (right 4 possible)

- Alarm Forwarding, setting and changing
- Erasing of set Alarm
- Write/Edit Controller Parameters

#### 4. Customer / read only

- Read Current Failures
- Read Historic Failures
- Read set Alarm Forwardings
- Read Plant Configuration
- Read Controller Parameters



At least one access with administrator rights must be created. If this is not done and only the access right 2-4 are used, the ELREHA Gateway can not longer be fully administrated.



## Page 'Plant Log'

Here each user is able to enter notes to keep track e.g. at which time changes has been done or problems have been encountered at specific times.

**Add a new note**

**Overview listing about all entered notes**

**10 entries per list, here the next lists can be called up.**

Subject	Date	User
test1	09.05.2017	admin
test2	09.05.2017	admin
test3	09.05.2017	admin
test4	09.05.2017	admin
test5	09.05.2017	admin
test6	09.05.2017	admin
test7	09.05.2017	admin
test8	09.05.2017	admin
test9	09.05.2017	admin
test10	09.05.2017	admin

Go to page: < Previous 1 2 Next >

**Fields with \* are required.**

Date: 09.05.2017  
User: admin

Subject \*

Note

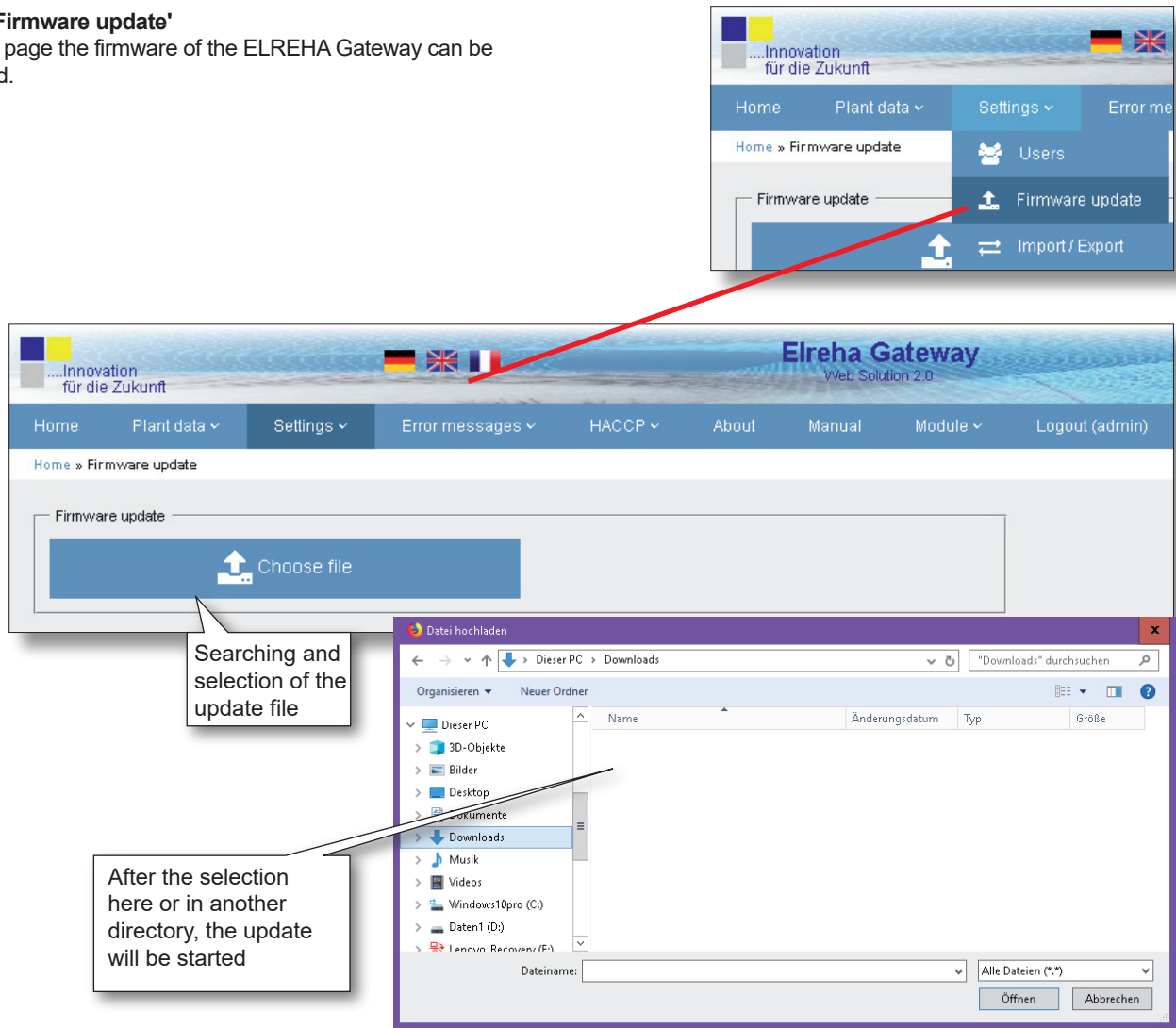
**Save**

All fields marked with ' \* ' must be filled.  
Confirm the new entries with a click on 'Save'.



### Page 'Firmware update'

On this page the firmware of the ELREHA Gateway can be updated.



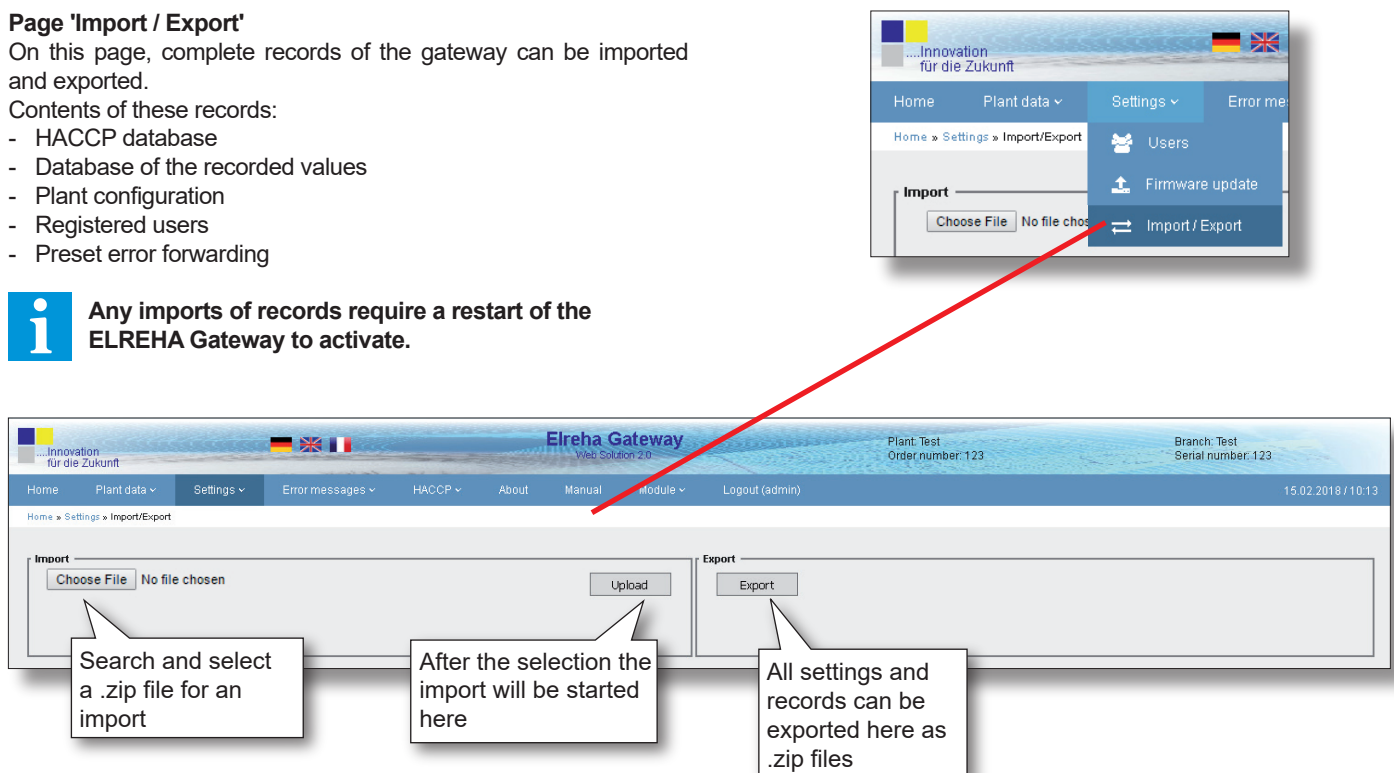
### Page 'Import / Export'

On this page, complete records of the gateway can be imported and exported.

Contents of these records:

- HACCP database
- Database of the recorded values
- Plant configuration
- Registered users
- Preset error forwarding

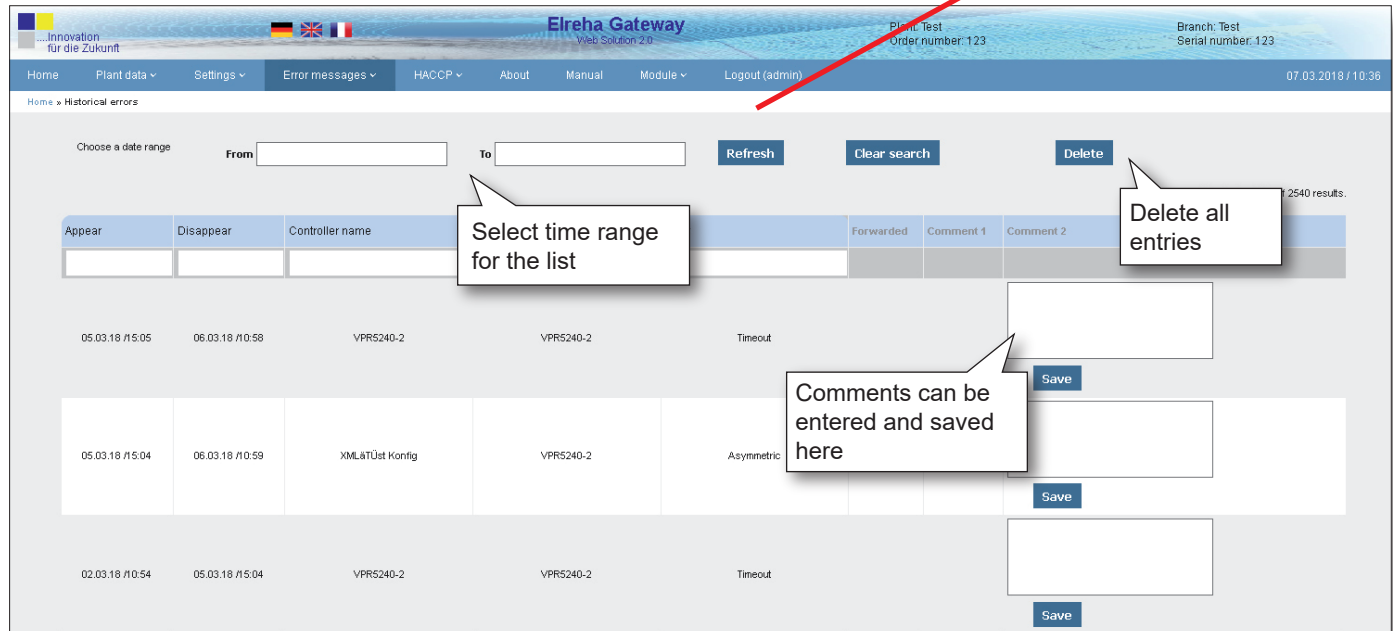
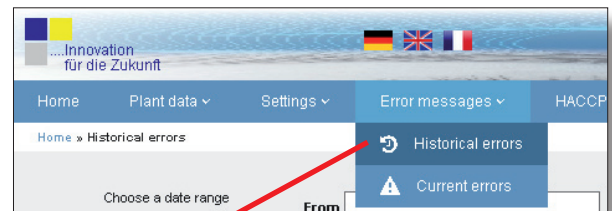
**i** Any imports of records require a restart of the ELREHA Gateway to activate.



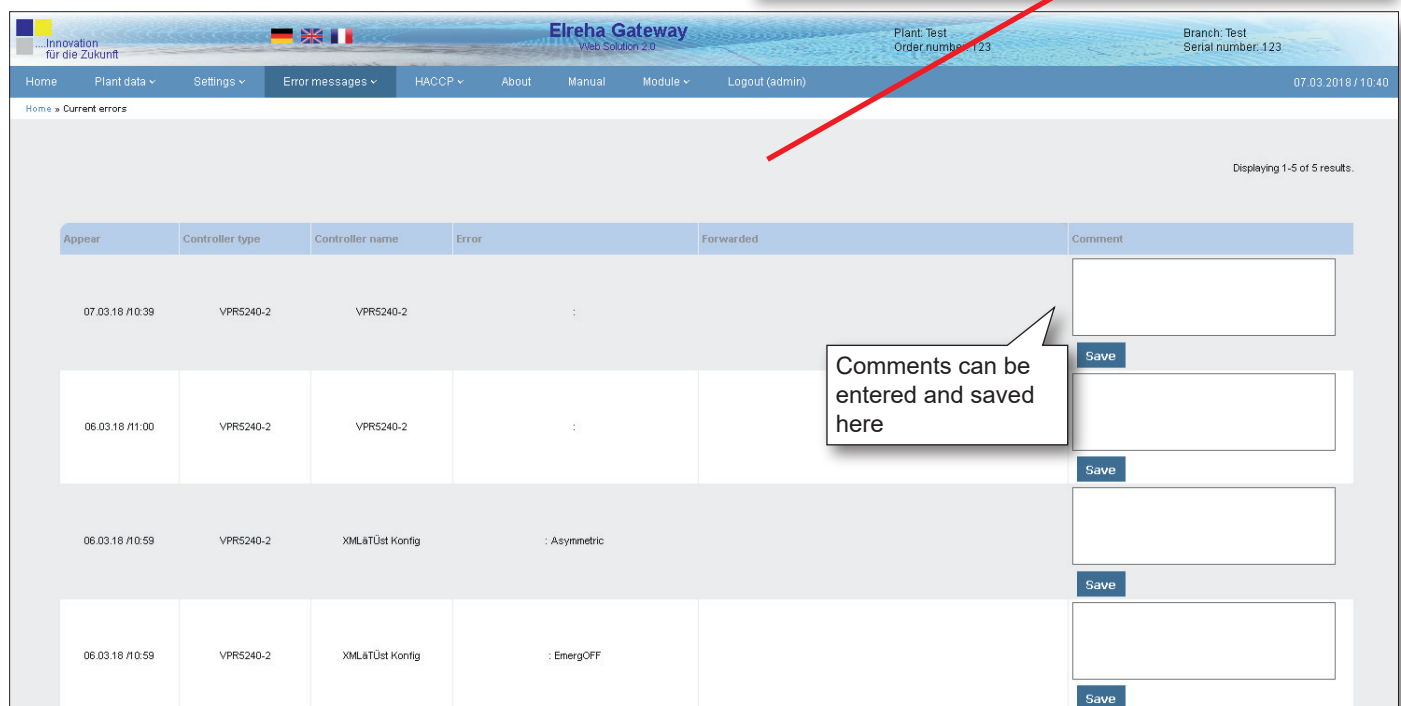
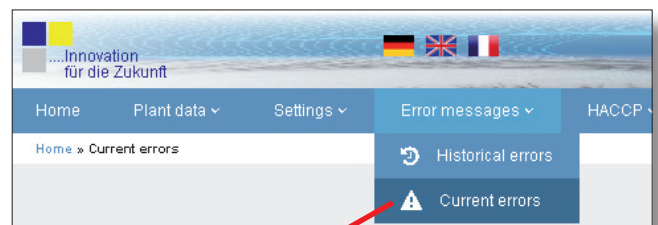
This page offers an overview about all recorded alarm messages. These can be selected in a date range.



Current error messages are not displayed here!



This page provides an overview of all current errors.

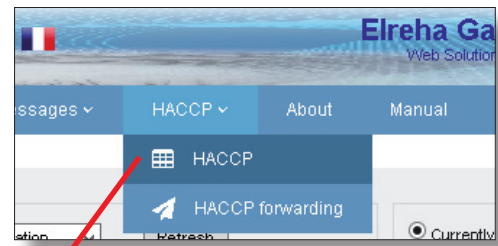


## Page 'HACCP'

This page provides an overview of selected data points from various time periods. These can be printed at any time.



For printing HACCP data, the browser must allow pop up windows for the Gateway Website.



Select to update any changes to the dates or addition of new devices.

Here you can select the time range for printing of the HACCP table

Here you can select any date, day, week and month overview

Start printing

Currently displayed HACCP table

Choose a date range: From: To:

Currently displayed HACCP table

Choose a date range: From: To:

June 2015

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Daily information: 04.08.2016

Controller	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1/1 K Verbund 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/2 Kaskade1 sensor 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/2 Kaskade1 test 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/2 Kaskade1 sensor 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/2 Kaskade1 Virtueller Istwert	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/2 Kaskade1 sensor 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/3 Normalkühlraum Regelfühler	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/3 Normalkühlraum Abtaufühler	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/3 Normalkühlraum Virtueller Istwert	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/4 MoPro Regal Istwert 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/4 MoPro Regal Istwert 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/5 Lüftersteuerung Fühler 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1/5 Lüftersteuerung Fühler 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

### Symbols

- Break
- Short Circuit
- Failure
- No Connection
- Defrost

- Colours:
- Temperature > max.
  - Temperature < min.
  - Defrost

From:  To:

Pdf files can get exported to a USB flash drive, that is connected to the ELREHA Gateway

Controller ☐ Select all ☐ Clean all ☐ Select

Daily information: 2015.06.08

<input checked="" type="checkbox"/> 1/1 BMT Test	<input checked="" type="checkbox"/> 1/2 TARx700-2	<input checked="" type="checkbox"/> 1/3 EVP1140	<input checked="" type="checkbox"/> 1/5 Walter	<input checked="" type="checkbox"/> 1/6 TARx260-2
<input checked="" type="checkbox"/> 1/7 Fleisch KR	<input checked="" type="checkbox"/> 1/8 Kaskaderegler a	<input checked="" type="checkbox"/> 1/9 TARx260-2	<input checked="" type="checkbox"/> 1/11 TARx810-2	<input checked="" type="checkbox"/> 1/12 USP
<input checked="" type="checkbox"/> 1/40 EVP 3150-2	<input checked="" type="checkbox"/> 1/41 MSR ECO	<input checked="" type="checkbox"/> 1/55 TARx260-2	<input checked="" type="checkbox"/> 1/56 SM501	

Select the device and HACCP data to be displayed.

## Page 'HACCP forwarding'

From this page you can send HACCP information as email.  
This information is included in an attached pdf file.

**Language**  
German, English, French

**Description**  
As you like

**Forwarding Time**  
From 00:00 up to 23:59 o'clock

**To**  
Recipient email address

**cc**  
Carbon copy email address

## Page 'Database Backup'

Internal databases are automatically saved to a USB flash drive that is connected to the ELREHA Gateway at the given time.

**Database Backup Active** ☒

**Backup Time :** 11:34

**Backup Interval :** Every 1 Day

**Settings of 'Every 1 Day' up to 'Every 30 Days' possible**

Copyright © 2013 - 2018 by ELREHA GmbH  
Website V2.5.10 BETA | Service V1.22.8 J | Package V3.5.10  
All Rights Reserved



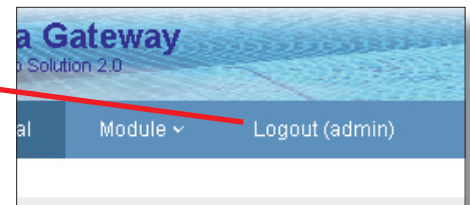
### Manual

Here you can open the manual for this product



### Logout

Due to safety reasons, it is recommended to log out after every session.



## CONNECTION INFORMATION & SAFETY INSTRUCTIONS



Notice

The guarantee will lapse in case of damage caused by failure to comply with these operating instructions! We shall not be liable for any consequent loss! We do not accept liability for personal injury or damage to property caused by inadequate handling or non-observance of the safety instructions! The guarantee will lapse in such cases.

This manual contains additional safety instructions in the functional description. Please note them!



Danger

If you notice any damage, the product may not be connected to mains voltage! Danger of Life!

A riskless operation is impossible if:

- The device has visible damages or doesn't work
- After a long-time storage under unfavourable conditions
- The device is strongly dragged or wet
- After inadequate shipping conditions

- Never use this product in equipment or systems that are intended to be used under such circumstances that may affect human life. For applications requiring extremely high reliability, please contact the manufacturer first.

- **Electrical installation and putting into service must be done from qualified personnel.**

- **During installation and wiring never work when the electricity is not cut-off ! Danger of electric shock!**

- **Never operate unit without housing. Danger of electric shock!**

- Please note the safety instructions and standards of your place of installation!



Caution

- Before installation: Check the limits of the ELREHA Gateway (see tech. data), e.g.:
  - Supply voltage
  - Environmental limits for temperature/humidity. Outside these limits malfunction or damages may occur.
- Mounting the controller close to power relays is unfavourable. Strong electro-magnetic interference, malfunction may occur!
- Take care that the wiring of interface lines meets the necessary requirements.

## EC Declaration of Conformity



For the device **ELREHA Gateway** we state the following: When operated in accordance with the technical manual, the criteria have been met that are outlined in the EMC Directive 2014/30/EC and the Low Voltage Directive 2014/35/EC.

This declaration is valid for those products covered by the technical manual which itself is part of the declaration.

Following standards were consulted for the conformity testing to meet the requirements of EMC and Low Voltage Guidelines:

EN 61010-1:2010, EN 55022:2010, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010+A1:2015,  
EN 61000-4-2:2009, EN 61000-4-3:2006+A1:2007+A2:2010, EN 61000-4-4:2012, EN 61000-4-5:2014  
EN 61000-4-6:2014, EN 61000-4-8:2010, EN 61000-4-11:2004, FCC Part 15, Subpart B:2013, ANSI C63.4:2009

CE marking of year: 2017

This statement is made for the manufacturer / importer

**ELREHA Elektronische Regelungen GmbH**  
**D-68766 Hockenheim**

www.elreha.de

(Name / Address)

by:

**Werner Roemer, Technical Director**

Hockenheim.....**3.2.2017**.....

City

Date

Signature

Date of commissioning		
Server Number		
Contact Person IT / Phone Number		
<b>Notes</b>		
	<b>Entry</b>	<b>Example</b>
<b>Network</b>		
DHCP / static		
IP address Gateway internal		(e.g. 192.168.1.2)
Subnet mask		(e.g. 255.255.255.0)
DNS		(e.g. 192.168.1.1)
Default Gateway		(e.g. 192.168.1.1)
Time server		(e.g. de.pool.ntp.org)
IP address Gateway external		
Port 80 internal: Forwarding to external port		
Port 443 internal: Forwarding to external port		
Port 22 internal: Forwarding to external port		
<b>Email</b>		
Return Address		(e.g. störung_kaelte@mustermann.de)
User Name		(e.g. störung_kaelte@mustermann.de)
Password		(e.g. secret)
Outgoing Mail Server		(e.g. smtp.strato.de)
Port Outgoing Mail Server		(e.g. 465, 587,...)
Security Setting Mail Server		(e.g. no, SSL, STARTTLS)
Register Address 1		(e.g. service@kaelte.de)
Register Address 2		(e.g. service@kaelte.de)
<b>User 1</b>		
User name		
Password		
Authorization		(e.g. Customer, Service, Technician, Administrator)
Time up to automatic logout		

	Entry	Example
<b>User 2</b>		
User name		
Password		
Authorization		(e.g. Customer, Service, Technician, Administrator)
Time up to automatic logout		
<b>User 3</b>		
User name		
Password		
Authorization		(e.g. Customer, Service, Technician, Administrator)
Time up to automatic logout		
<b>Line 1</b>		
Interface		(e.g. COM 1)
Baudrate		(e.g. 9600 Baud)
Timeout		
<b>Controller 1</b>		
Type		(e.g. EVP 1130)
Address		(e.g. 5)
<b>Controller 2</b>		
Type		
Address		
<b>Controller 3</b>		
Type		
Address		
<b>Controller 4</b>		
Type		
Address		
<b>Controller 5</b>		
Type		
Address		
<b>Controller 6</b>		
Type		
Address		

	Entry	Example
<b>Controller 7</b>		
Type		(e.g. EVP 1130)
Address		(e.g. 5)
<b>Controller 8</b>		
Type		
Address		
<b>Controller 9</b>		
Type		
Address		
<b>Controller 10</b>		
Type		
Address		
<b>Controller 11</b>		
Type		
Address		
<b>Controller 12</b>		
Type		
Address		
<b>Controller 13</b>		
Type		
Address		
<b>Controller 14</b>		
Type		
Address		
<b>Controller 15</b>		
Type		
Address		
<b>Controller 16</b>		
Type		
Address		
<b>Controller 17</b>		
Type		
Address		



	Entry	Example
<b>Controller 18</b>		
Type		(e.g. EVP 1130)
Address		(e.g. 5)
<b>Controller 19</b>		
Type		
Address		
<b>Controller 20</b>		
Type		
Address		
<b>Controller 21</b>		
Type		
Address		
<b>Controller 22</b>		
Type		
Address		
<b>Controller 23</b>		
Type		
Address		
<b>Controller 24</b>		
Type		
Address		
<b>Controller 25</b>		
Type		
Address		
<b>Controller 26</b>		
Type		
Address		
<b>Controller 27</b>		
Type		
Address		
<b>Controller 28</b>		
Type		
Address		

	Entry	Example
<b>Controller 29</b>		
Type		(e.g. EVP 1130)
Address		(e.g. 5)
<b>Controller 30</b>		
Type		
Address		
<b>Controller 31</b>		
Type		
Address		
<b>Controller 32</b>		
Type		
Address		
<b>Controller 33</b>		
Type		
Address		
<b>Controller 34</b>		
Type		
Address		
<b>Controller 35</b>		
Type		
Address		
<b>Controller 36</b>		
Type		
Address		
<b>Controller 37</b>		
Type		
Address		
<b>Controller 38</b>		
Type		
Address		
<b>Controller 39</b>		
Type		
Address		