

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 **5320022-00/03E**

from Software Version 2.0.0

ELREHA Gateway Web Solution 2.0

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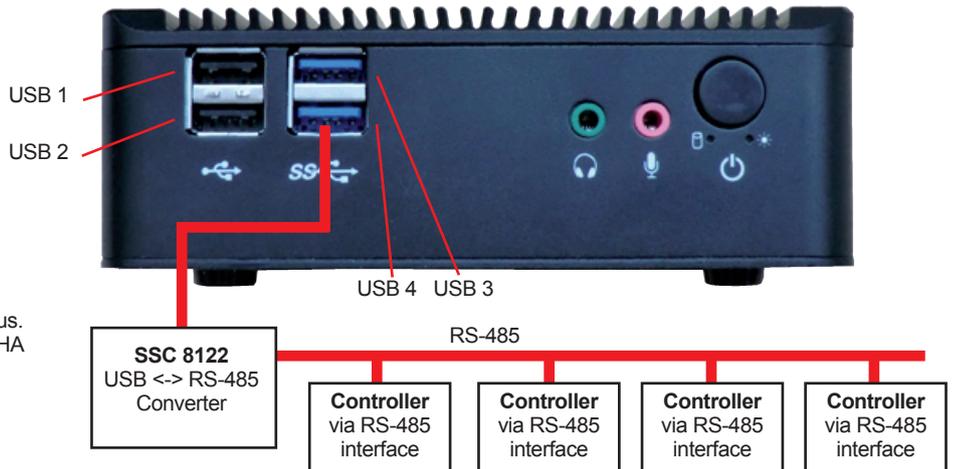
Please note the Safety Instructions !

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



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

The ELREHA Gateway communicates via an SSC-8122 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.

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

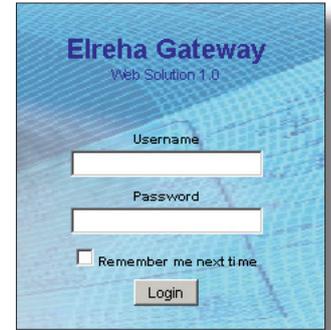
1. The ELREHA Gateway is connected to the available network, or even directly via a Cross Over Ethernet Cable.



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.

Overview	Status	F1	F2	F3	F4	F5	F6	F7	Setpoint	Line / Address
Kaskadengler 0		-7.2 °C	off	off	off	off	off	-7.2 °C	-7.7 °C	1 / 8
Test Gerät 0		---	---	---	---	---	---	---	0	1 / 9
EVSP1130		---	---	---	---	---	---	---	0	1 / 10
USP 0		22.7 °C	off	off	off	off	off	---	10.0 °C	1 / 12
VPR		off	off	off	-0.5 °C	break	off	---	-30.0 °C	1 / 23
Cold storage controller 33		25.0 °C	off	---	---	---	---	---	0.0 °C	1 / 77
Cold storage controller 34		25.0 °C	off	---	---	---	---	---	0.0 °C	1 / 78
ELREHA		---	---	---	---	---	---	---	0	1 / 79
DiruA40		---	---	---	---	---	---	---	0	2 / 1
DiruA40		---	---	---	---	---	---	---	0	2 / 2
Metro Lobby Warsaw		---	---	---	---	---	---	---	0	3 / 1

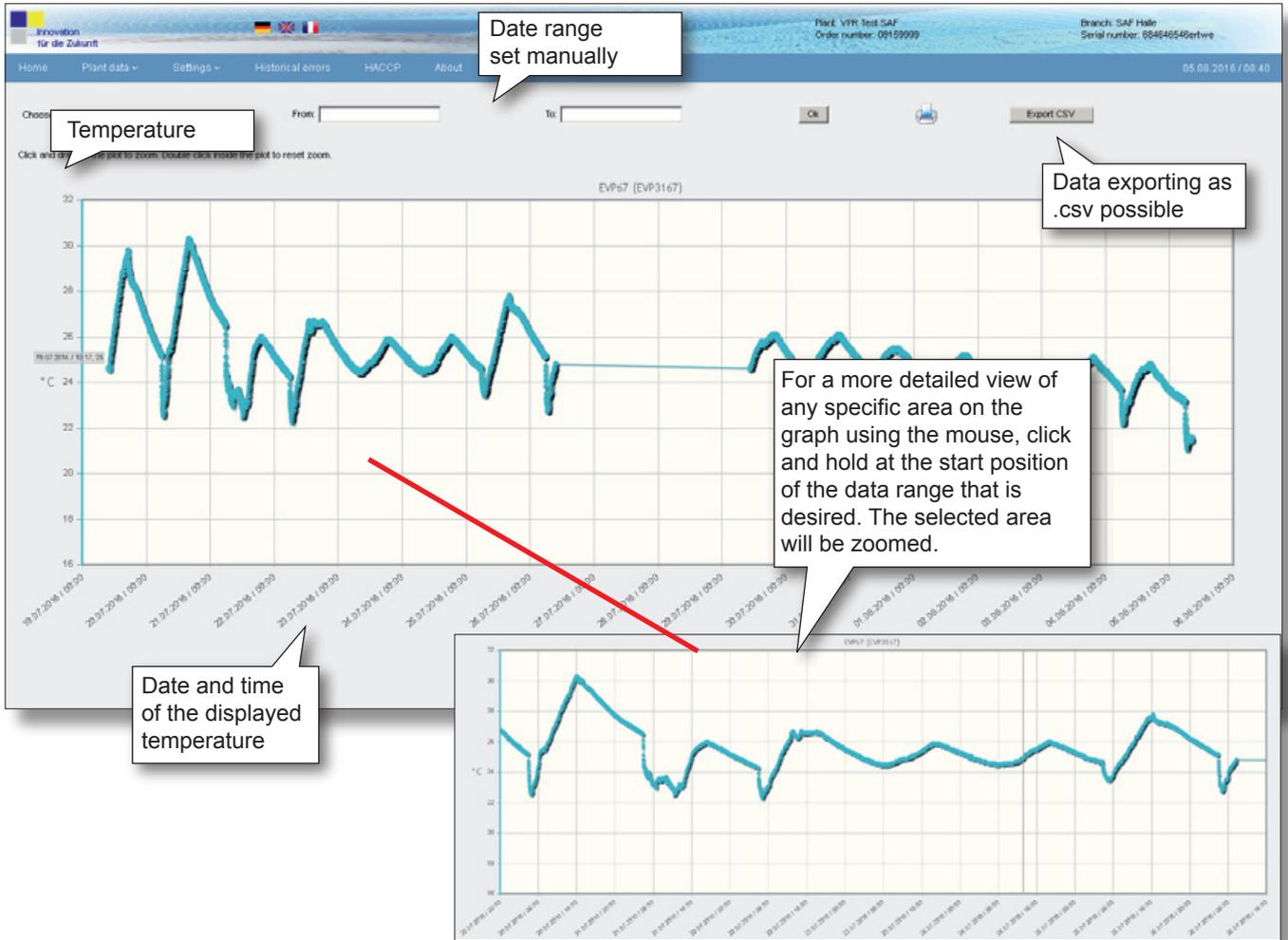
Red: Indicates current failure(s).
 Grey: Indicates all okay.
 White: Device status is being read.
 : Cooling station integrated in the upper VPR
 By selecting a device in this column, an Overview Page will be displayed for that device.
 By hovering over a device in this column, the Controller Type will 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.



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 screenshot shows the Elreha Gateway web interface. The top navigation bar includes 'Home', 'Plant data', and 'Settings'. The main content area is divided into several sections:

- Overview:** A sidebar menu on the left lists various controllers, including '3/2 Mein EVP 1140 (EVP1140)', '3/45 SMZ (SMZ)', '3/66 EVP3150-2 (EVP3150-2)', and '3/77 TAR 3260 (TARx260-2)'. A callout points to this menu: "The selected device will always be displayed here."
- Status Main EVP 1140 [EVP1140] Status:** A detailed view of a controller's current status, showing temperature readings (Regel, Abtau, Outlet) and digital input/output states. A callout says: "Call up subpages".
- Actual values:** A section for monitoring digital inputs, relay statuses, and various time-based parameters like 'Remaining defrost time'. A callout says: "Call up controller page".
- Setpoints:** A section for configuring various setpoints and alarm limits. A callout says: "Erases all unsaved changes".
- Current error:** A red box indicating an 'Error in assignment'. A callout says: "All adjusted/ current settings will be saved."

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

The screenshot shows the 'Settings' page in the Elreha Gateway interface. The top navigation bar includes 'Home', 'Plant data', and 'Settings'. The main content area shows a tree view of settings:

- Overview**
- 1/1 VPR Verbundsteuerung (VPR5240-2)**
 - Parameter
 - VPR5240-2 remote control
 - Import/Export
 - Manual
 - Cold storage controllers**
 - 1/1-1 Kühlraum 1 (EVP3187)
- 3/2 Mein EVP 1140 (EVP1140)**
- 3/45 SMZ (SMZ)**
- 3/66 EVP3150-2 (EVP3150-2)**
- 3/77 TAR 3260 (TARx260-2)**

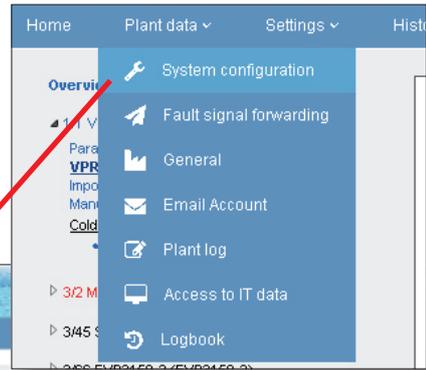
The in the VPR system integrated cold storage controllers will be displayed in the VPR directory under "Cold storage controllers".

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. Callouts include:

- 'Select to enter and set the maximum storage' pointing to the 'Max. data storage (in months):' dropdown and 'Save' button.
- 'Select to add/configure a new controller line' pointing to the '+ Create a line' button.
- 'Select to access the Line Configuration. Changes cannot be made here.' pointing to the 'Standard' line entry.
- 'Select to edit entries on a specific line' pointing to the edit icon on the 'Test' line.
- 'Erase all entries' pointing to the red 'X' icon on the 'Test' line.

Line	Port device	Transmission rate	Number of controllers
Standard	USB0	57600	8
Test	COM0	57600	2
Test	elreha-udp		1

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 include:

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

Line No.2	Description	Type	Port device	Transmission rate [Baud]
1	SMZ MSReco	SMZ	USB1	9600

Controller	Address	Description	Type	Record interval [min]	HACCP interval [min]	Delete
1	192.168.1.1	SMZ MSReco	SMZ	15	15	<input type="checkbox"/>
2	192.168.1.2	Test device	COM0	15		<input type="checkbox"/>
3	192.168.1.3	Test device	COM0			<input type="checkbox"/>
4	192.168.1.4	Test device	COM0			<input type="checkbox"/>
5	192.168.1.5	Test device	COM0			<input type="checkbox"/>
6	192.168.1.6	Test device	COM0			<input type="checkbox"/>
7	192.168.1.7	Test device	COM0			<input type="checkbox"/>
8	192.168.1.8	Test device	COM0			<input type="checkbox"/>

Under the 'Controller List', all controllers that are entered will be listed. This list includes the description, controller type, the recording intervals of data, and HACCP intervals, which are all adjustable parameters here. The fixed address, however, cannot be changed here. The address can only be renewed by selecting 'Add a New Controller'.

Adding a new line with new controllers

Fields with * are required.

Line No. - Description

Timeout [s]

Controller-Overview

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

Recording Settings

HACCP-Settings

Min Max

Cancel Save

Save all parameters

Description of the controller position

Selection of the controller type

Record interval

HACCP interval min.

Address of the controller on the line

Add

The name of this information

Min. and max. values

Add

Recording Settings

HACCP-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

This field specifies which values to record.

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

i **!**

- 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

Max. data storage (in months)

Create a line

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

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 (5555).

Freely selectable address for the identification of the VPR

Fields with * are required.

Line No. - Description

Timeout [s]

Controller-Overview

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

Recording Settings

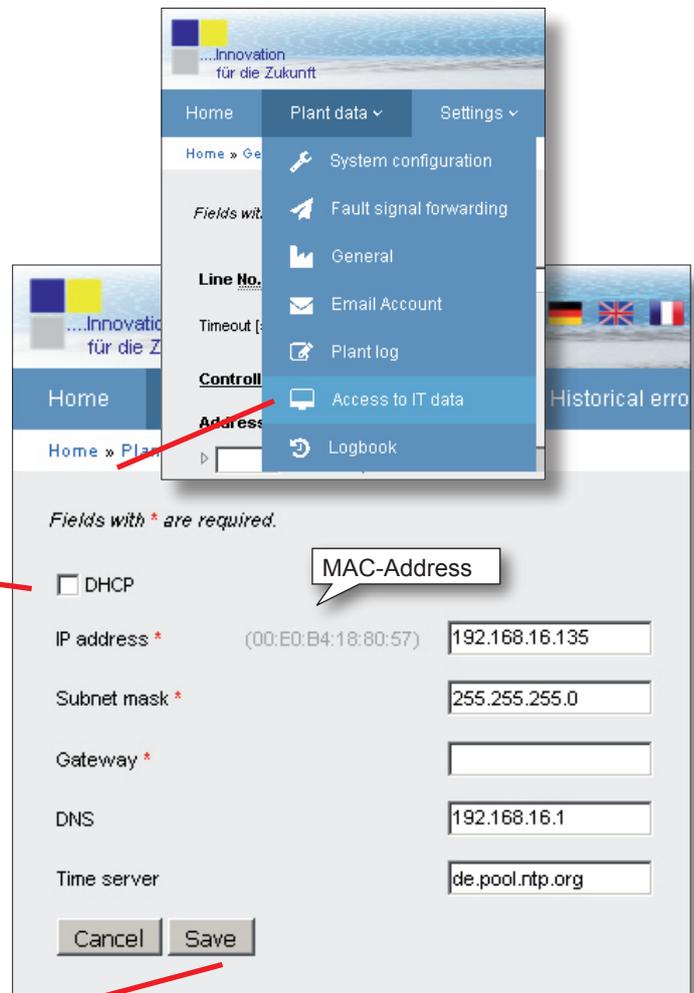
Room temperature
Room humidity
[f] Suction pressure actual value
[f] Suction pressure actual value
[f] Suction temperature actual value
[f] Suction temperature actual value
[f] Circ. 1 Condensation pressure actual value
[f] Circ. 1 Condensation pressure actual value
[f] Circ. 2 Condensation pressure actual value
[f] Circ. 2 Condensation pressure actual value
[f] Circ. 3 Condensation pressure actual value
[f] Circ. 3 Condensation pressure actual value
[f] Circ. 1 Condensation pressure actual value
[f] Circ. 1 Condensation pressure actual value
[f] Circ. 2 Condensation pressure actual value
[f] Circ. 2 Condensation pressure actual value
[f] Circ. 3 Condensation pressure actual value
[f] Circ. 3 Condensation pressure 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

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

i 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.

The screenshot shows the 'Fault signal forwarding' configuration page. The breadcrumb trail is 'Home » Plant data » Fault signal forwarding'. A '+ Add signal forwarding' button is highlighted. The form includes fields for 'Forwarded as' (set to 'Email'), 'Description', 'Days of the Week' (checkboxes for Mon-Sun), 'From - To' (00:00 - 23:59), and 'Time Control message' (00:00). There are also fields for 'E-Mail language' (English), 'To', 'cc', and 'bcc'. A 'Test mail' button is present. Below the form is a tree view of system components, and a list of failure messages to be forwarded, such as '0 - No failure', '1 - Breakage Sensor 1: Istwert 1', etc.

Callouts:

- Test mail:** Select to test the current email settings. The existing settings for mailserver and email account will be used.
- Cancel Save:** Select to save and changes.
- System tree:** Each device can be assigned an individual error message to be forwarded.
- Failure messages:** Select the failure message to be forwarded.
- E-Mail language:** adjustable to: email addressee recipient
cc: copy to
bcc: hidden copy to

Host

SMTP mailserver

Connection Security

Here the corresponding methods can be selected

SMTP-Port

Mailserver port

User / Password

The necessary data for transmission

The screenshot shows an overview list of fault signal forwarding entries. The breadcrumb trail is 'Home » Plant data » Fault signal forwarding'. The table has columns for 'Description', 'Data channel', 'Channel', 'Days of the Week', and 'From - To'. One entry is visible with 'Hasald' as the description and 'xxxx@xxxx.de' as the data channel.

Description	Data channel	Channel	Days of the Week	From - To
Hasald	xxxx@xxxx.de	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'

The Page 'Logbook' allows the user to display all the devices or a selection of devices with the print settings for printing convenience.

Select the time range to display.

Printing

Date / Time	Controller name	Controller type	Parameter	Old value	New value	User	Description
29.07.2016 / 11:50	----	----	----	----	----	admin	plant.xml changed
29.07.2016 / 11:56	----	----	----	----	----	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 / 16:22	----	----	----	----	----	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.

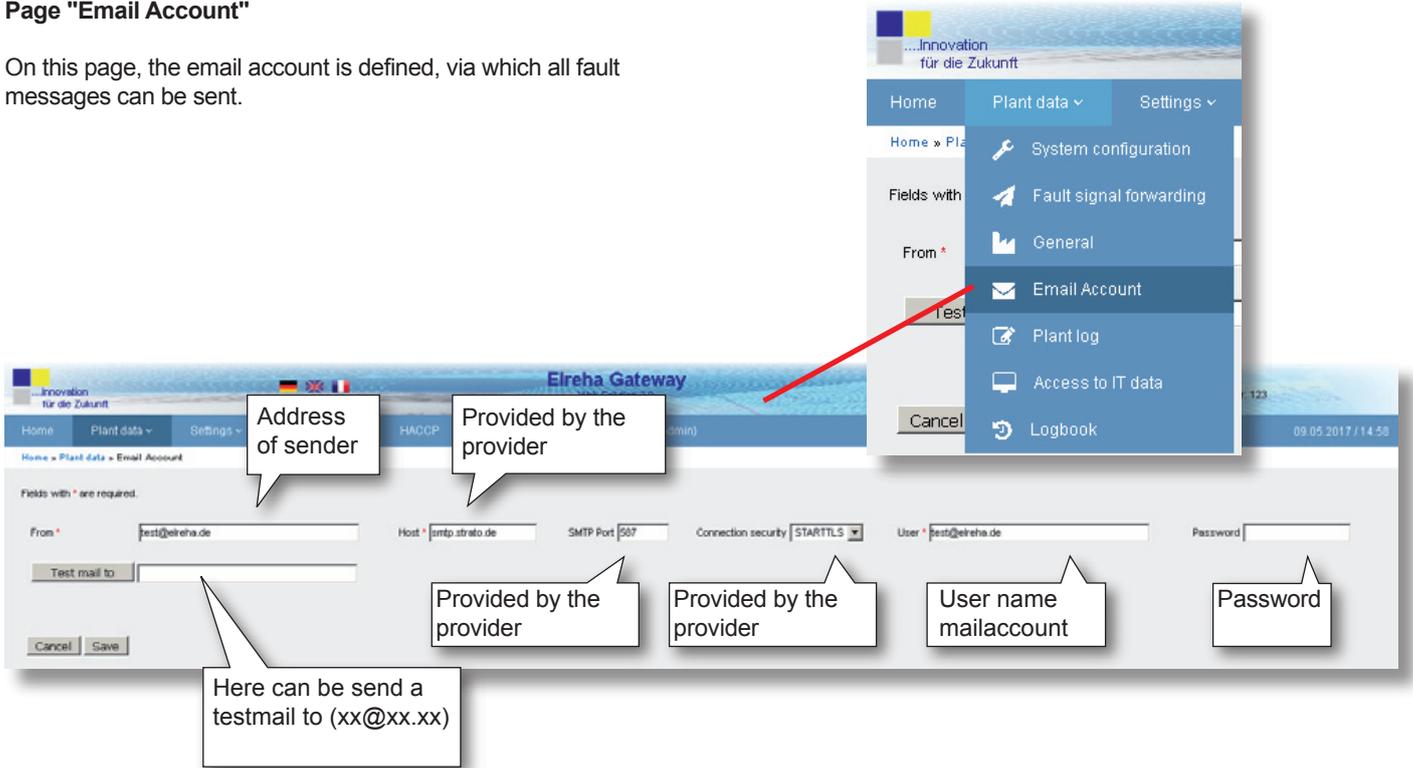
URL to Gateway. Is than located as info in the fault forwarding emails

With 'Save' all entries will be stored

The information marked with '*' will be faded in on each page top right.

Page "Email Account"

On this page, the email account is defined, via which all fault messages can be sent.



Host
SMTP Mailserver

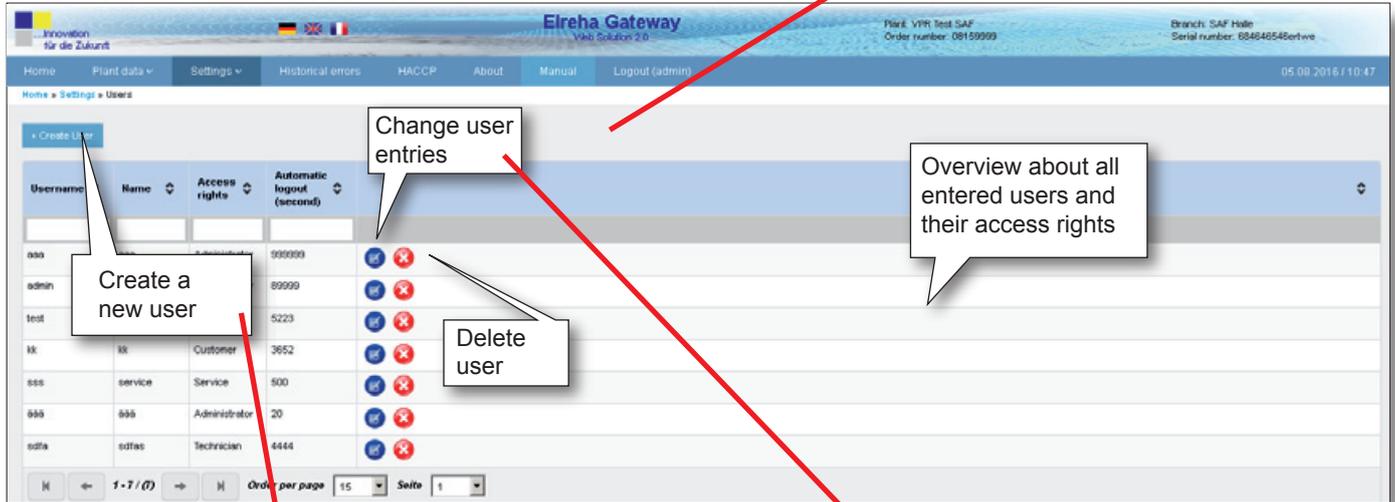
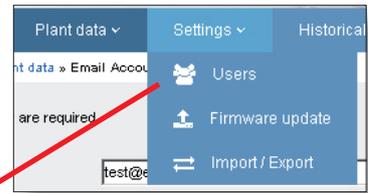
Connection security
The relevant procedures are defined here

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'. In the upper line, users can be selectively called with corresponding entries.



Home » Settings » Users » Add

Fields with * are required.

Name *

Username *

Password *

Repeat password *

Expire time in seconds *

Access rights *

Administrator

Cancel Save

Home » Settings » Users » Update

Username: admin

Name: admin

Expire time in seconds: 9000

Access rights: Administrator

Cancel Save

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

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

i 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.

Home | Plant data | Settings

Historical errors | HACCP | About | Manual | Logout (admin)

+ Create a note

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

Displaying 1-10 of 11 results.

Go to page: < Previous 1 2 Next >

Home | Plant data | Settings | Historical errors | HACCP | About | Manual | Log

Home » Plant log » + Create a note

Fields with * are required.

Date: 09.05.2017
User: admin

Subject *

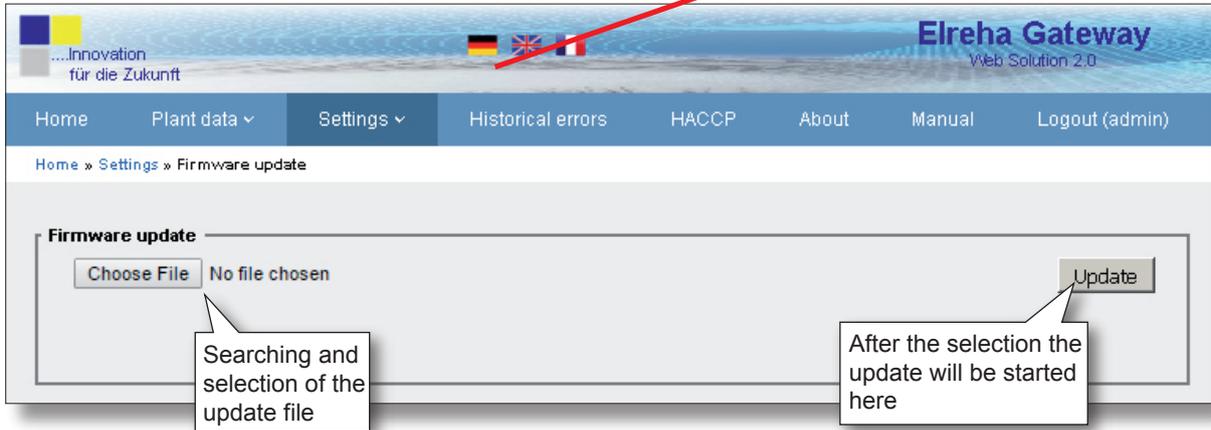
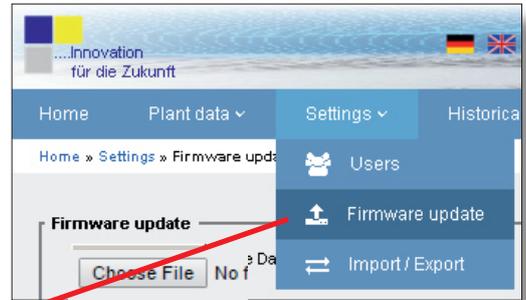
Note

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 actualized.

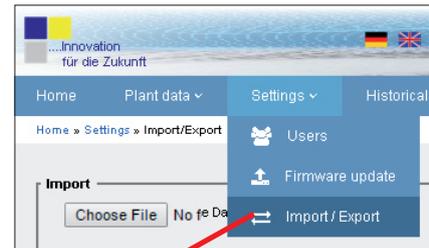


Page 'Import / Export'

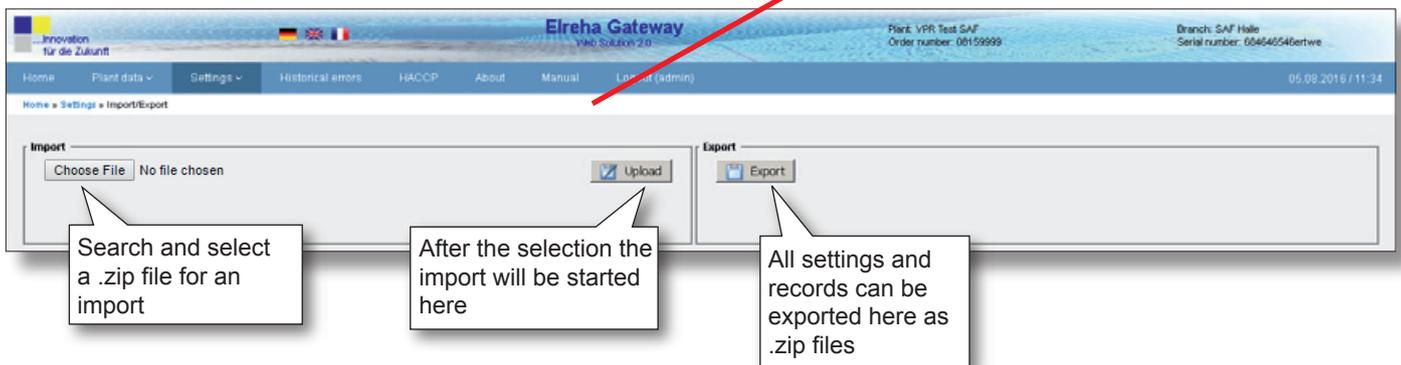
On this page, complete records of the gateway can be imported and exported.

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.



Page 'Historical errors'

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



Current error messages are not displayed here!



Choose a date range

From To

Appear	Disappear	Controller type	Error
09.05.2017 / 12:08	09.05.2017 / 12:08	SMZ	Timeout
09.05.2017 / 12:07	09.05.2017 / 12:08	Mein EVP 1140	Break sensor
09.05.2017 / 12:08	09.05.2017 / 12:08	EVP3150-2	Timeout
09.05.2017 / 12:07	09.05.2017 / 12:08	Mein EVP 1140	Error in assignment
09.05.2017 / 12:07	09.05.2017 / 12:08	VPR Verbundsteuerung	V1 High Pressure Alarm external
09.05.2017 / 11:57	09.05.2017 / 12:07	EVP3150-2	Timeout
09.05.2017 / 11:58	09.05.2017 / 12:07	Mein EVP 1140	Error in assignment
09.05.2017 / 11:57	09.05.2017 / 12:07	SMZ	Timeout
09.05.2017 / 11:56	09.05.2017 / 12:07	Mein EVP 1140	Break sensor 4
05.05.2017 / 14:14	05.05.2017 / 14:14	EVP3150-2	Timeout
05.05.2017 / 14:13	05.05.2017 / 14:14	Mein EVP 1140	Error in assignment
05.05.2017 / 14:14	05.05.2017 / 14:14	SMZ	Timeout
05.05.2017 / 14:13	05.05.2017 / 14:14	Mein EVP 1140	Break sensor 4
05.05.2017 / 14:13	05.05.2017 / 14:13	EVP3150-2	Timeout
05.05.2017 / 14:13	05.05.2017 / 14:13	Mein EVP 1140	Error in assignment

Order per page 15 Page 1

Page 'HACCP'

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

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



Home » HACCP

Choose a date: Daily Information
 Daily Information
 Weekly Information
 Monthly Information

Currently displayed HACCP table
 Choose a date range: From: To:

Start printing

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

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

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

Controller		Date		Daily information: 04.08.2016																													
HACCP	...	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	31	
11 K Verbund 1	bla	0	0
12 Kaskade1	sensor 1	0	0	31.1	31.2	31.3	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	30.8	29.8	29.1	28.8	28.3	28.1	27.9	27.8	27.6	27.5	27.3	27.2	27.1	27.0	...	...	...
12 Kaskade1	test 2	0	0	5.6	5.6	6.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
12 Kaskade1	sensor 3	0	0	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	-7.9	
12 Kaskade1	Virtueller Istwert	0	0	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.1	11.5	11.2	11.0	10.8	10.7	10.6	10.6	10.5	10.4	10.3	10.2	10.2	10.2	10.2	10.2		
12 Kaskade1	sensor 4	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13 Hormalkühraum	Regelühler	0	0	28.4	28.5	28.6	28.7	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	27.9	27.0	26.2	25.8	25.5	25.2	25.1	25.0	24.9	24.7	24.5	24.4	24.3	24.2	...	...	...
13 Hormalkühraum	Abbauühler	0	0	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	
13 Hormalkühraum	Virtueller Istwert	0	0
14 MoPro Royal	Istwert 1	0	0	28.2	28.3	28.5	28.5	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.0	28.8	28.8	27.6	27.2	27.0	26.8	26.8	26.8	26.4	26.2	26.1	26.0	25.9	...	...	...
14 MoPro Royal	Istwert 2	0	0
15 Lüftersteuerung	Fühler 1	0	0	19.6	19.6	19.9	19.9	19.9	20.0	20.1	20.2	20.2	20.1	19.2	19.4	17.6	17.2	16.7	16.6	16.3	16.1	16.1	15.9	15.9	15.6	15.5	15.5	15.5	...	...	...	...
15 Lüftersteuerung	Fühler 2	0	0	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	

Symbols

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

Colours:

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

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.

Manual
Here you can call up the available 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!



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.



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!

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		
Notes		
	Entry	Example
Network		
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		
Email		
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)
User 1		
User name		
Password		
Authorization		(e.g. Customer, Service, Technician, Administrator)
Time up to automatic logout		

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

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

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

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