



Web-Server

For Synco™, Synco™ living

OZW772... V5.0

Web server OZW772... allows for remote plant control and monitoring via the web and Smartphone App.

Four versions of the web server OZW772... are available: To connect 1, 4, 16, or 250 Synco devices from product ranges Synco 700, room controllers RXB/RXL, RDG/RDF/RDU room thermostats, and the QAX9... Synco living central apartment units.

- Operate web browser via PC/laptop or Smartphone.
- Operation via Smartphone App (iPhone and Android)
- Operation and monitoring of KNX S-Mode devices (Lighting, blinds, energy and volume meters, etc.)
- Visualize the plants in the web browser based on standard plant diagrams and customized plant web pages.
- Connections: USB and Ethernet.
- Display fault messages in the web browser.
- Send fault messages to a maximum of 4 e-mail recipients.
- Periodic sending of system reports to a maximum of 4 e-mail recipients.
- Consumption data Recording, display, and sending to 2 e-mail recipients
- Create trends and send them to 2 e-mail recipients

- **Function "Energy indicator" for monitoring data points for energy-technical limit values, so-called "Green limits", and sending them to 2 e-mail recipients**
- **Web services for external applications via Web API (Web Application Programming Interface)**
- **Encrypted with https and TLS for e-mails.**

Use

Building

- Apartments in single and multi-family homes.
- Office and administrative buildings, residential housing.
- Schools, gymnasiums, leisure facilities, hotels.
- Municipal buildings, smaller industrial buildings.

Owners/operators

- End customers, HVAC and electrical installers.
- Real estate companies, real estate management companies.
- Building maintenance companies, energy and facility management.

Functions

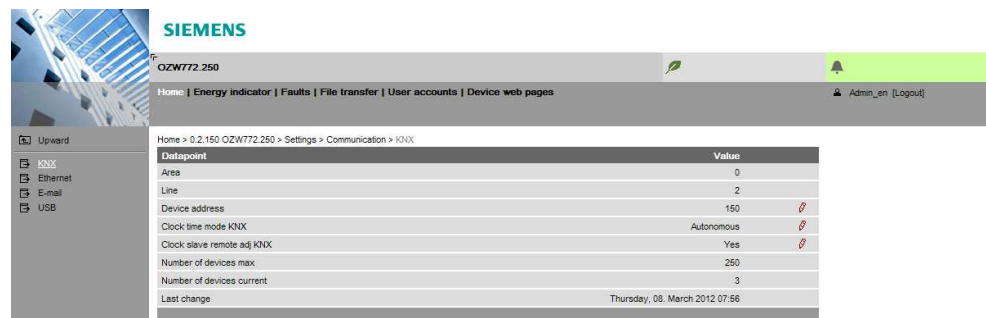
Commissioning

Commissioning using a PC/laptop via web browser or ACS. ETS is used to configure KNX S-Mode components.

Web operation

- Remote operation and monitoring and devices on one KNX network with web browser on PC/laptop and smartphone.
- Simultaneously supports multiple users.
- User accounts for web operation (user groups, operating language).
- Set up visualized operation based on standard plant diagrams (loaded via HVAC Integrated Tool, HIT) or customized plant web pages.





User interface



Primary navigation

Primary navigation offers the following functions:

Home	Menu-based plant and device operation.
Energy indicator	Display and operating of "Energy indicator" data points
Faults	Display system faults.
File transfer	Create and manage trend functions Download consumption data and message history, upload documents, logos, and system definitions
User accounts	User administration.
Device web pages	Create device list and operating pages.

Secondary navigation	The secondary navigation (menu tree) allows users to select devices and operating pages. As of OZW version 5.0, the KNX pages defined in ETS as displayed here as well.
Display	The display range displays content corresponding to the selected primary and secondary navigation.
Plant state	The display indicates no fault or the most serious plant fault depending on plant state.
Faults	
Fault sources	The web server recognizes failures and fault signals from KNX devices contained in the device list. Own faults also are recognized.
Fault display, fault acknowledgement	The LED signals a fault on the web server  . LED blinks to indicate that a fault is unacknowledged.  The LED continues to be lit for as long as the fault is pending after the fault is acknowledged with the  button via web operation or ACS. (See page 10 for LED displays and operating buttons).
Fault status message	Fault status messages can be sent as an e-mail to as many as 4 e-mail recipients and/or via a service provider to SMS recipients. You can set the fault priority for each e-mail recipient (urgent/all). Each receiver has a "Time switch with calendar" to program three sending times per day and holidays/special days.
System report	
System messages	The web server generates system reports and periodically sends the system operating state to e-mail recipients. Messages are sent as per the set time (hh:mm), message cycle interval (1...255 days), and priority (urgent/non-urgent).
Connection test	Press the  button on the web server to send a system report to all defined e-mail recipients regardless of fault priority.
History	
History	The last 500 fault events, fault messages and system reports are entered in the web server's circular message buffer. The event or history data can be read via web browser.
Time	
Time	The web server has a system clock with adjustable time zone and daylight saving/standard time changeover. As clock time master, it can send the set system time (date and time) to KNX devices (clock time slave).
Updates	
Updates	<p>We differentiate between the following:</p> <ul style="list-style-type: none"> • System definition updates to integrate device descriptions of new devices in the web server. • Firmware updates to update the web server to the latest firmware version. Firmware updates may also contain new device descriptions (system definitions). <p>A system definition update requires one simple action via the web browser. No operator actions on the web server are required to update the firmware. Procedures are communicated when a firmware update is issued.</p>
Compatible with ACS790	The web server is compatible with the service and operating software ACS790 V8.00 and higher.

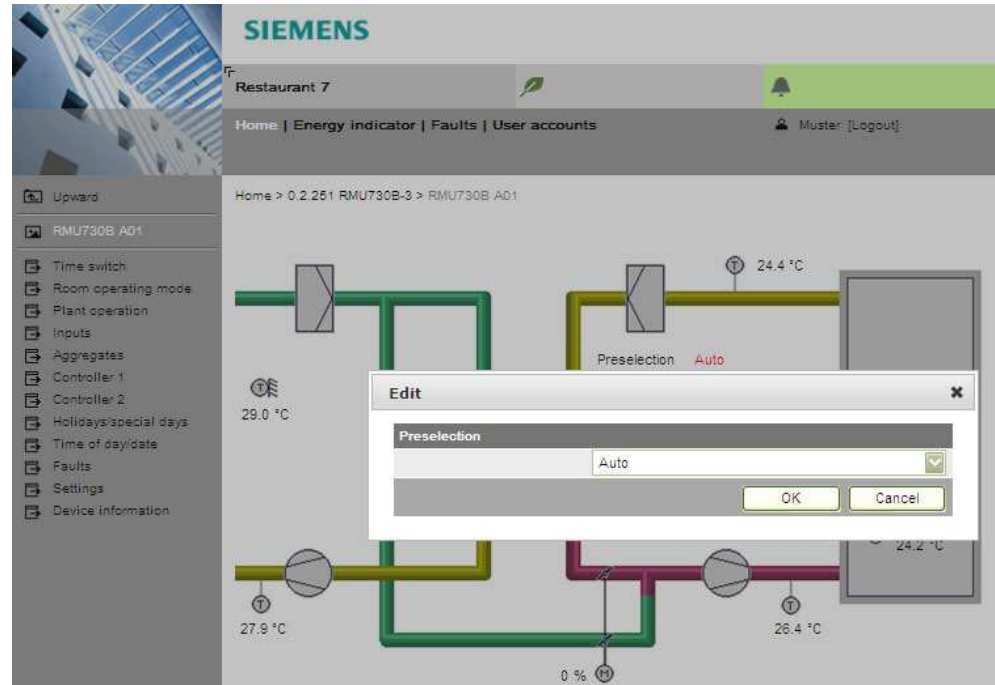
Visualize plants

Web server OZW772... allows for visualizing technical equipment (HVAC, electrical, energy values) in buildings via plant web pages. For example, a plant web page can be set up visualizing a plant with data points (max. 100 data points per plant web page) on a floor plan.

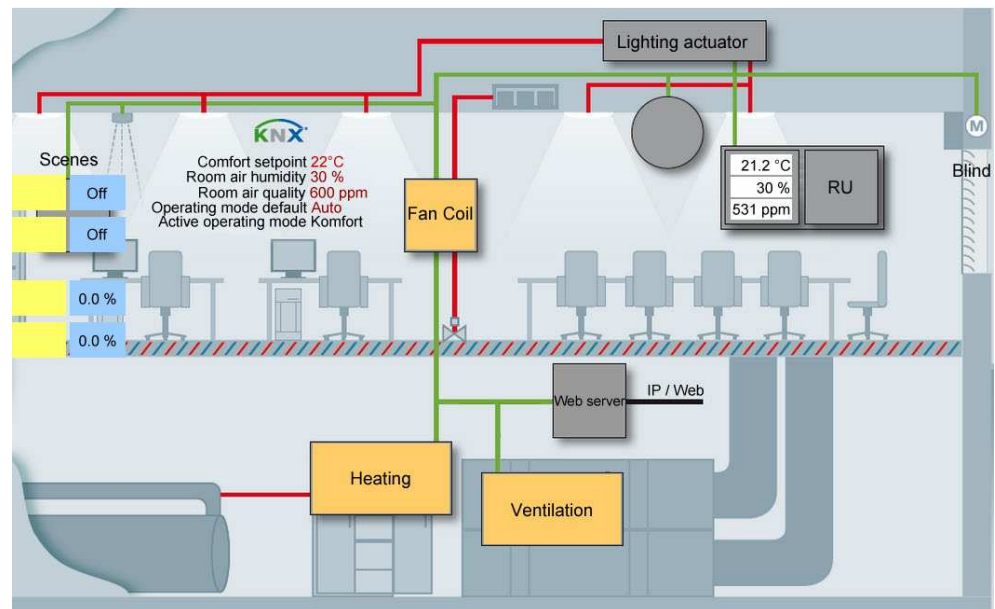
In the event of a fault, users can quickly access the impacted locations.

Double-click writable parameters to open a dialog box and edit the value.

Example Plant web pages for ventilation plant



Example Plant web pages for HVAC and lighting, blinds



Download
plant diagrams

You can download web-capable plant diagrams from the HIT online platform for standard applications on Synco 700 devices, room controllers RXB/ RXL, and room thermostats RDG/RDF/RDU.

Create own plant web
pages

You can freely design plant web pages. As a hybrid form, you can also modify and extend downloaded plant diagrams.

Web page elements

Users can also embed additional data in a plant diagram such as energy values V5.0 or links to plant, function and maintenance descriptions or data sheets. Moreover, users can integrate external links allowing, for example, for direct browsing multiple plants. Users can embed current webcam images in a plant diagram.

KNX S-Mode

Integration of KNX S-Mode data points permits central control of heating, ventilation, air conditioning, and electrical installations.

Data points recording by OZW can be used, for example, for trending, to depict the plant diagram or reused for thermal or electrical energy consumption.

Number of S-Mode data
points

Version OZW772.01 supports 7 standard data points for system time and alarm info functions.

For version OZW772.04/16/250, the following of data points can also be integrated:

Data point sub-types	No.
1 bit value	100
2 bit switching controlled	5
1 byte value	40
1 byte scene	5
2 byte value	40
4 byte value display	40
Amount	230

KNX interfaces

The web server OZW772.xx also assumes the KNX USB and KNX/IP interface, KNXnet/IP, using its built-in USB and Ethernet interfaces.

Separate devices to connect the ETS to the KNX bus or via USB and Ethernet are no longer necessary.

Trend function

The trend function is available in web server OZW772... as of V5.0. Any number of data points for connected devices can be logged at a selectable sample rate and queried using the trend function.

Data points for devices integrated via KNX S-Mode are also available for the trend function.

Trend channels

5 trend channels are available: Each trend channel can include up to 100 data points. The trend channel can be labelled using a plain text name.

Sample rate

The sample rate can be created individually for each trend channel. Sample rates from 1 second to 25 hours are available.

The shortest possible sample rate over all 5 trend channels is 1 data point per second.

Trend period

Memory determines the possible trend period of a trend channel. The trend period varies with the number of selected data points and their sample rate.


Examples for various trend channels:

Interval	Data points	Trend period	
		Channel 1	Channel 2...5
1 sec	1	14 days	1.8 days
5 sec	5	30 days	4.3 days
1 min	10	210 days	30 days
15 min	100	371 days	53 days

Memory that is 7 times greater is available in trend channel 1 for long-term trending with a lot of data points, or short sample intervals.

Operation

A web browser or the ACS tool creates and manages trend functions.



The screenshot shows the Siemens OZW772 web interface. The top navigation bar includes 'Home | Energy indicator | Faults | File transfer | User accounts | Device web pages' and a user profile 'Administrator [Logout]'. A left sidebar contains navigation options: Trend, Message history, Documents, Logos, and System definitions. The main content area displays a table of trend functions:

Name	State	Query interval	Circular logging	Bus load	Action
outside temperature	Running	1m	728 Days	2 %	[Action]
room temperature	Running	10m	730 Days	0 %	[Action]
infl.solar radiation	Running	5m	520 Days	0 %	[Action]
influence of wind	Running	2m	208 Days	1 %	[Action]
influence of room tmp	Running	15m	730 Days	0 %	[Action]

At the bottom, a 'Current bus load' indicator shows 3%.

Data query per web browser

The trend data can be downloaded for each channel using a web browser and viewed in a spreadsheet program or text editor. The calendar function permits limiting the trend data to a desired time period within the trend.

Users can access the web server either local or remote via the Internet.

Data transmission per e-mail

Up to 2 e-mail recipients can be defined for the trend data.

Each trend channel can send its data to one or both e-mail recipients. The send interval can be set individually for each trend.

Import/Export

Trend definitions can be imported to the web server or exported from the web server.

Consumption data trending

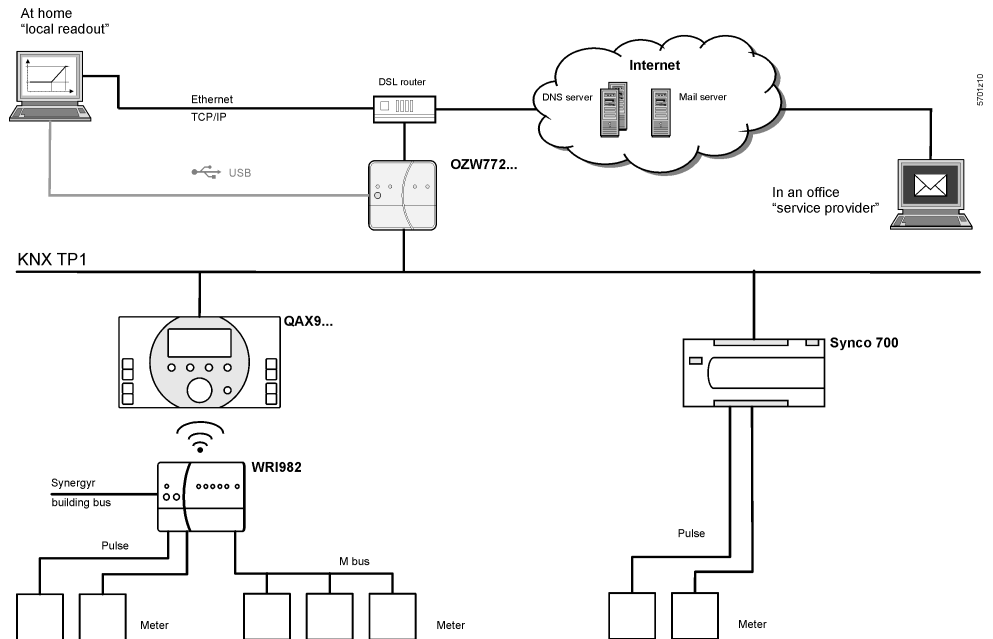
The "consumption trend" function is available in web server OZW772... as of V3.0. The following devices are supported:

- Synco 700: RMU7x0B, RMH760B, RMK770 (as of V2.0), RMS705, RMS705B, RMB795, RMB795B
- Synco living: Central apartment unit QAX903, QAX913

OZW772 as of V5.0

Energy and volume meters that use KNX data points are supported with the integration of KNX S-Mode as of web server V5.0.

The meter is connected directly or via KNX adapter to the KNX bus and transmits its data as per the configuration made in ETS.



Meter

Current consumption data is saved in the meters (legal requirement).

QAX / Synco 700

- Every 4 hours, central apartment unit QAX9... receives raw data via KNX radio.
- Synco 700 controllers generate the meter data via pulse inputs as per the configured values.

Consumption data can be viewed on individual QAX central units or Synco controllers using the associated menus.



Web server, local or remote

The web server offers comfortable access to consumption data:

- Web browser operation users to navigate to the consumption data of the associated devices.
- Easier still: Or a consumption data file can be downloaded from the web server. The file contains a list of consumption data for all QAX units (apartment units) and Synco controllers.
- Users can access the web server either local or remote via the Internet.

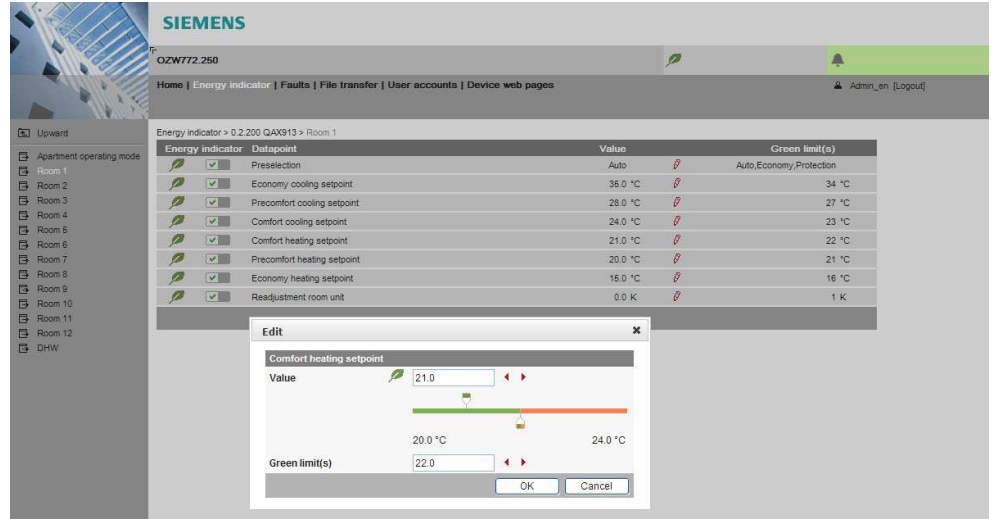
Web server, e-mail

Consumption data can be sent periodically (set up via web server) to max 2 e-mail recipients (e.g. billing company).

Function "Energy indicator"	<p>The "Energy indicator" function is available in web server OZW772... as of V4.0. The following devices are supported:</p> <ul style="list-style-type: none"> • Synco 700: RMU7x0B, RMH760B, RMK770 (as of V2.0), RMS705B, RMB795B • Synco living: Central apartment unit QAX903, QAX913, QAX910 (as of V3.0) • Room controllers: RXB2x, RXL2x, RXB3x, RXL3x • Room thermostats: RDF301, RDU341, RDGx00KN <p>The web server uses the "Energy indicator" function to read selected data point values from the bus devices and to compare the values to energy-related limit values, or so-called "Green limits".</p> <p>The data points are also monitored for adherence to the "Green limits". As a result, the "Energy indicator" is displayed in the form of a tree leaf.</p>
Note	<p>The "Green limits" are used only together with the "Energy indicator" function. They do not represent process or safety limit values which trigger e.g. fault messages or turn off the plant in the event of limit violations.</p>
Web server, e-mail	<p>The "Energy indicator" can send its information periodically (adjustable via web server) to a maximum of 2 e-mail recipients.</p>
Tree leaf as "Energy indicator"	<p>"Green leaf" → Green tree leaf, leaf pointing up.</p>
Green leaf 	<ul style="list-style-type: none"> • The "Green leaf" symbol indicates that a data point value has not exceeded its "Green limit", i.e. the value is within a "green" range in terms of energy consumption.
Orange leaf 	<p>"Orange leaf" → Orange tree leaf, leaf pointing down.</p> <ul style="list-style-type: none"> • The "Orange leaf" symbol indicates that a data point value has exceeded its "Green limit", i.e. the value is outside a "green" range in terms of energy consumption.
Standard EN 15232	<p>The "Energy indicator" function is based on standard EN 15232 "Energy efficiency in buildings".</p>

Example: "Energy indicator" web page function

Web page with "Energy indicator" function; example with data points from "Room 1" and open dialog box to set data point value "Comfort heating setpoint" and its "Green limit" (for "Room 1").



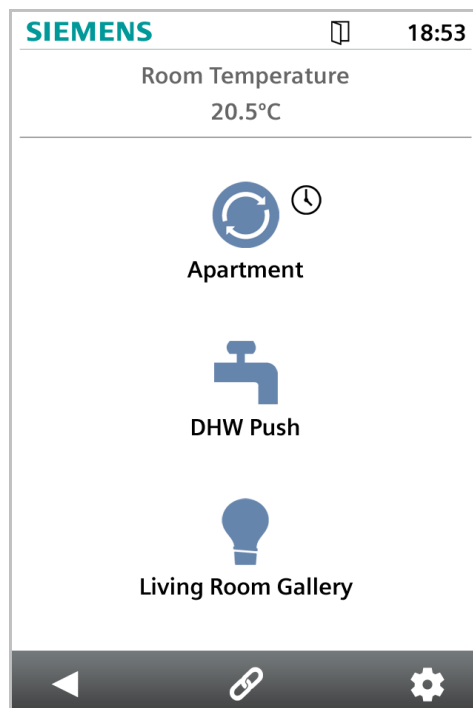
Web services

The "Web Application Programming Interface" (Web API) is an interface to provide web services client to the web server.

All web API functions are started via "http" or encrypted with "https". Each session starts with authentication at the web server.

Example App operation

If "Home Control App" is installed on a smartphone, the app accesses, using the web services, via web API, data points for devices on the KNX network (Communication connection for smartphone, see page 9).



Type summary

Name		KNX S-Mode	Product number
Web server	For 1 Synco device	7 data points	OZW772.01
Web server	For 4 Synco devices	250 data points	OZW772.04
Web server	For 16 Synco devices	250 data points	OZW772.16
Web server	For 250 Synco devices	250 data points	OZW772.250

Ordering and delivery

When ordering, please specify the name and **product number**. Example:

- Web server **OZW772.16**

The web server is delivered in a cardboard box.

The following is included in the package:

- Installation instructions G5701xx (multilingual).
- Power cable, power supply AC 230 V.
- Ethernet cable.
- USB cable.
- 2 cable ties.

Equipment combinations

The following Synco devices can be connected to the web server OZW772.

Synco range

	Synco devices	Data sheet no.	
Synco 700	Universal controllers	RMU7x0, RMU7x0B	N3144, N3150
	Heating controllers	RMH760, RMH760B	N3131, N3133
	Boiler sequence controllers	RMK770, RMK770 V2	N3132
	Central control units	RMB795, RMB795B	N3121, N3122
	Switching & monitoring units	RMS705, RMS705B	N3123, N3124
	Bus operator unit	RMZ792	N3113
	Room unit	QAW740	N1633
	Central communication unit	OZW771, OZW775	N3117, N5663
Synco RXB/RXL	Room controllers	RXB21.1, RXB22.1	N3873
	Room controllers	RXL21.1, RXL22.1	N3877
	Room controller	RXB24.1	N3874
	Room controller	RXL24.1	N3878
	Room controller	RXB39.1/FC-13	N3875
	Room controller	RXL39.1/FC-13	N3876
Synco RDF/RDU/RDG	Room thermostat for fan coils	RDF301	N3171
	Room thermostat for fan coils and lighting	RDF301.50	N3171
	Room thermostat for fan coils	RDF600KN	N3171
	Touchscreen thermostat for fan coil	RDF800KN	N3174
	Room thermostat for VAV	RDU341	N3172
	Room thermostat for fan coils	RDG100KN	N3191
	Room thermostat for VAV	RDG400KN	N3192
Synco living	Central apartment unit	QAX903	N2741
	Central apartment unit	QAX910	N2707
	Central apartment unit	QAX913	N2740

Product documentation

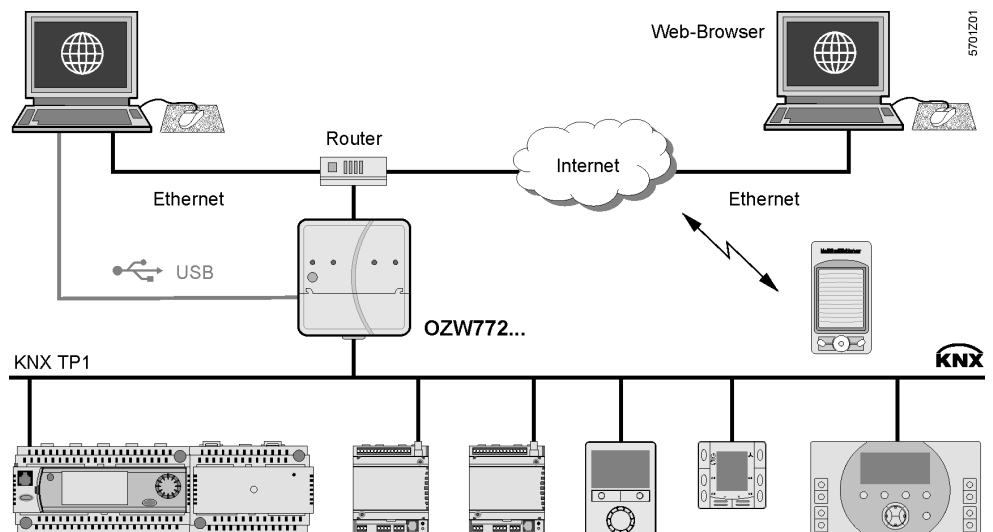
	Document type	Document no.
Web server OZW772...	Data sheet (this document)	N5701
	Installation instructions (package insert)	G5701
	Commissioning instructions	C5701
	CE declaration of conformity	T5701
	Environmental product declaration	E5701
KNX bus	Data sheet	N3127
	Basic documentation	P3127
ACS790 software	Data sheet	N5649
Service tool OCI700.1	Data sheet	N5655

Technical design

Web browser	Devices	Requirements
	PC/Laptop (1024 x 786)	Internet Explorer V6.0 or higher. Firefox V10.0 or higher.
	iPhone (480 x 320)	Safari (specific to end device)

Number of browsers Any number of browsers can be used simultaneously. The maximum data throughput rate is distributed among the browsers. Operation slows down as the number of users increases accordingly.

Operation, monitoring, alarming Communication connections for local commissioning (USB) and remote operation, remote monitoring and alarming via Ethernet.



Interfaces

USB The USB interface directly connects the PC/laptop on site. The required USB cable type A – type Mini-B is delivered with the device.

Ethernet The router/network is connected to the Ethernet RJ45 plug. The Ethernet interface features Auto-MDI(X) for crossed and non-crossed Ethernet cables. An Ethernet category 5 cable is supplied.

KNX The KNX bus is connected to the CE+ and CE- connection terminals labeled "KNX". See data sheet N3127 for more information on the KNX bus.

Logs

Web operation Use HTTP (Port 80) via TCP / IP for web operation. In addition https encryption via port 443 is supported. The required certificate is not accredited. The self-signed certificate from Siemens is valid for 20 years and is installed on the web server. The certificate can be installed on the web browser as needed.

A RNDIS driver on the PC/laptop is required for USB communication. The RNDIS driver is automatically installed on PC/laptops connected to the Internet (provided the network administrator enables "online update"). The RNDIS driver is also saved to the web server under <http://<IP address>/drivers/>.

Send e-mail Fault messages, consumption data, energy indicator reports, and trend files are sent in an e-mail via SMTP. The e-mail is encrypted using TLS if supported by the mail server.

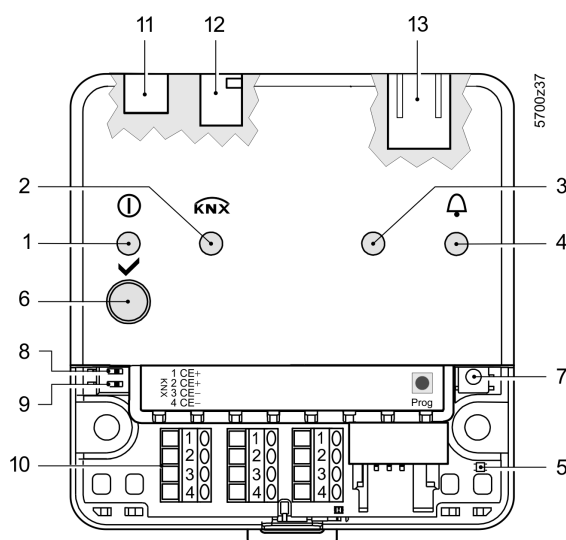
DHCP Client The web server can take its network configuration as client from a DHCP server.

Execution

Basic design




The web server consists of a housing lower section containing printed circuit boards with interfaces. The upper housing section covers the printed circuit boards. The upper housing section contains the LED displays and one operating button. The connection terminals and additional display and operating elements are located under the removable cover for the upper housing section. All display and operating elements are labeled.

Display and operating elements










Pos	Designation
1	LED ⓘ Mode and "Energy indicator"
2	LED KNX
3	LED field bus 2 (reserve)
4	LED fault ⓘ
5	LED addressing mode
6	Remote button ✓
7	Addressing mode button Prog
8	"Message suppression" switch
9	Switch 2 (no function)
10	KNX bus connection terminals
11	Operating voltage connection
12	USB connection Mini-B
13	Ethernet connection, RJ45 plug





LED indication

- | | | |
|--|--|--|
| 1  (red/green/orange) | <ul style="list-style-type: none">• Dark• Steady red• Flashing red• Steady green• Lit orange | No operating voltage DC 24 V
Web server starts operating system.
Web server starts application.
Web server operational, "Energy indicator" = "Green leaf"
Web server operational, "Energy indicator" = "Orange leaf" |
| 2  (green) | <ul style="list-style-type: none">• Dark• Lit• Flashing | No bus power.
KNX operational.
Communication on KNX. |
| 3 Field bus 2 (reserve) | <ul style="list-style-type: none">• Dark | No function. |
| 4 Fault  (red) | <ul style="list-style-type: none">• Dark• Lit• Flashing | No fault (normal operating state).
Acknowledged fault.
Unacknowledged fault. |
| 5 Addressing mode (red) | <ul style="list-style-type: none">• Dark• Lit | KNX addressing mode off.
KNX addressing mode on. |

Operating buttons

- | | | |
|--|--|---|
| 6 Remote button  | <ul style="list-style-type: none">• Short (< 2 s)• Long (> 6 s) | Acknowledges fault message.
Send the system report to the fault e-mail recipient (not to consumption data, and "Energy indicator" and trend data recipient). |
| 7 Addressing mode  | <ul style="list-style-type: none">• Short (< 2 s) | Press once: KNX addressing mode On
Press again: KNX addressing mode off. |
| Button combinations
 and  | <ul style="list-style-type: none">• Long (> 6 s) | Simultaneously press  and 
restores default factory settings.
 All configuration data and settings are reset.
The device list, plant diagrams, and unsent messages are deleted. History data is not deleted. |

Switches

- | | | |
|---|--|--|
| 8  Message suppression | <ul style="list-style-type: none">• Position ON • Position OFF  | Sending messages is suppressed.
Sending messages permitted. |
| 9  DIP switch 2 | <ul style="list-style-type: none">• Switch settings. | No function. |

Notes

Mounting

The web server can be mounted in a panel, distribution box, or on a wall. Include space for wiring when planning. Make sure service can easily access the unit and the unit is ventilated properly.

- Standard mounting On standard rail TH 35-7.5.
- Wall mounting Attached with 2 screws.
- Mounting position Horizontal or vertical.
- Mounting and dimensions See "Dimensions".

Install

Important notes

Observe the following when installing:

- Run fuses, switches and wiring as per local regulations for electrical installations.
- We do not recommend plant monitoring via USB interface in environments with strong electromagnetic interference (e.g. in industrial environments with electrical welding equipment).
- See "Technical data" for electromagnetic compatibility.

Operating voltage

The supplied AC 230 V power supply provides the DC 24 V operating voltage for the web server.

Wiring

The operating voltage, USB and Ethernet plugs are located on the upper part of the housing.

The terminals on the device for the KNX bus are located under the removable cover.

Connection terminals

The connection terminals are designed for wire diameters of min. 0.5 mm or cross-sections of 0.25...1.5 mm² or stranded wire cross-sections of 0.25...1.0 mm².

Commissioning

Connections

The web server is commissioned locally via USB with a PC/laptop. A web browser must be installed on the PC/laptop.

The supplied USB cable type A – Type Mini-B connects the web server to the PC/laptop.

Additional information is available in the included installation guide G5701 or commissioning guide C5701 at the Download Center at www.siemens.com/ozw772manual.

ETS configures and commissions KNX S-Mode devices and is described in the commissioning guide C5701.


Router

A suitable router is required for remote operation via Internet.

The router must support NAT/PAT as well as DynDNS for dynamic IP addressing.

IP address

- The IP address via USB is set: **192.168.250.1**.
- Default setting for IP address via Ethernet: **192.168.251.1**.
- The network administrator must provide an IP address for the web server before you can connect the web server via Ethernet to a managed network.

User groups	User accounts are created and assigned to specific user groups for customized user operation.
End user	<ul style="list-style-type: none"> • Access to end-user data and fault overview. • Operate and monitor via menu tree and plant diagrams. • Administer own user accounts.
Service	<p>Same as end user. In addition:</p> <ul style="list-style-type: none"> • Access service data. • Create, download, and manage trend data • Download consumption data and message history. • Upload customized logos and documents. • System definitions update. • Update device web pages.
Administrator	<p>Same as service. In addition:</p> <ul style="list-style-type: none"> • Edit device list. • Create device web pages. • Create, copy, change, and delete plant diagrams. • Select "Energy indicator" data points, as needed, edit default values for the data points and/or "Green limits". • Administer all user accounts.
Maintenance	The OZW772... web server is maintenance free (no battery changes, no fuses). Use only a dry towel to clean the housing.
Repair	The OZW772... web server cannot be repaired on site. If faulty, return to the Repair Center at the relevant Regional Company.
Disposal	<div style="display: flex; align-items: center;">  <div> <p>The devices are considered electronics devices for disposal in terms of European Directive 2012/19/EU and may not be disposed of as domestic waste.</p> <ul style="list-style-type: none"> • Dispose of the Device via the channels provided for this purpose. • Comply with all local and currently applicable laws and regulations. </div> </div>

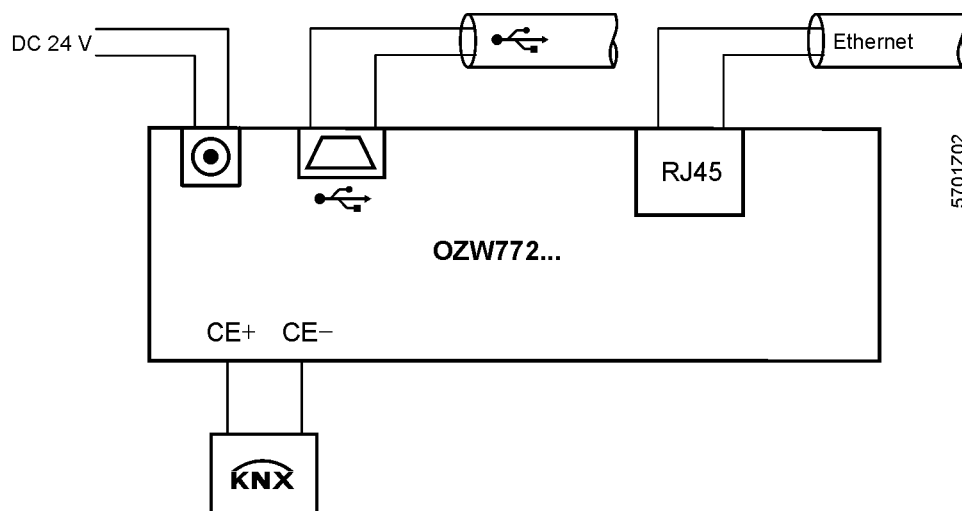
Technical data

Power cable for web server OZW 772...	Operating voltage	AC 230 V ±15 %
	Rated voltage "Euro plug"	AC 230 V EN 50075 and VDE 0620-1
	Frequency	50/60 Hz
	Power consumption (including web server OZW772...)	3 VA typical
	Protection class	II
	Output voltage	SELV 24 VDC
	Fusing of supply lines	Max. 16 A
	Cable length (distance from AC 230 V plug to web server)	Max. 1.6 m
	Web server OZW772...	Operating voltage
Power consumption		2 W typical
Function data	Clock reserve	Min. 72 hours
	Device list	
	OZW772.01	1 Synco device
	OZW772.04	Up to 4 Synco devices
	OZW772.16	Up to 16 Synco devices
OZW772.250	Up to 250 Synco devices	
KNX bus	Interface type	TP1 (twisted pair, 1 cable pair)
	2-wire bus	CE+, CE- (non exchangeable)
	Bus load number	E 15
	KNX bus power consumption	6 mA.
	Permissible line length and cable types	See data sheet N3127.
	Connection, screw terminals for	
Solid/stranded wire (twisted or with ferrule)	min. Ø 0.5 mm	
1 solid wire per terminal	0.25...1.5 mm ²	
1 stranded wire per terminal.	0.25...1.0 mm ²	
USB	Interface type	USB V2.0
	Device class	RNDIS
	Baud rate	Max. 12 Mbps (full speed)
	Connecting cable	
	Cable length	Max. 3 m
Cable type for connection to PC/laptop	USB type A	
Cable type for connection to OZW772...	USB type Mini-B	
Ethernet	Interface type	100BaseTX, IEEE 802.3 compatible
	Bitrate	Max. 100 Mbps
	Protocol	TCP/IP
	Recognition	Auto MDI-X.
	Connection, plug	RJ45 plug (screened)
Cable type	Standard Cat-5, UTP or STP	
Cable length	Max. 100 m.	
Standards	Product safety	
	Information technology equipment – Safety	EN 60950-1
	Home and Building Electronic System (HBES)	EN 50491-3
	CE -Conformity	
	EMC directive	2004/108/EC
	Low voltage directive	2006/95/EC
	Eco design directive (power supply unit)	2005/32/EC
	RoHS directive	2011/65/EU
	Electromagnetic compatibility	
	Immunity (Industrial sector)	EN 61000-6-2
	Emissions (Residential, business and commercial, as well as light industrial)	EN 61000-6-3
	Home and Building Electronic System (HBES)	EN 50491-5-3
	AS/NZS -Conformity	
	Australian EMC Framework	AS/NZS 61000-6-3.
	Radio Interference Emission Standard	
Environmental compatibility		
The product environmental declaration CE1E570en contains data on environmentally compatible product design and assessments (RoHS compliance, materials composition, packaging, environmental benefit, disposal)	ISO 14001 (Environment) ISO 9001 (Quality)	

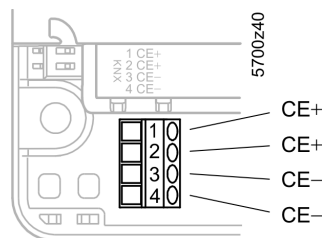
Degree of protection	Degree of protection	IP30 to EN 60529.
	Protection class	III as per EN 60950-1.
Ambient conditions	Operation	IEC 60721-3-3
	Climatic conditions	Class 3K5
	Temperature (housing with electronics)	0...50 °C
	Humidity	5...95% r. h. (non-condensing)
	Mechanical conditions	Class 3M2
	Transport	IEC 60721-3-2
Climatic conditions	Class 2K3	
Temperature	-25...+70 °C	
Humidity	<95% r.h.	
Mechanical conditions	Class 2M2	
Materials and colors	Upper housing section	PC + ASA, RAL 7035 (light-gray)
	Lower housing section	PC + ASA, RAL 5014 (dove blue).
Dimensions	Length x width x height (max. dimensions)	87.5 mm x 90 mm x 40 mm
Weight	Web server OZW772...	0.136 kg
	Web server with packaging, installation instructions, power unit, USB and Ethernet cable, cable straps.	0.589 kg.
	Packaging	Cardboard box
Terms, abbreviations	Auto Medium Dependent Interface - Crossed	Auto-MDI(X)
	Dynamic Domain Name System	DynDNS
	Dynamic Host Configuration Protocol	DHCP
	Energy Cost Allocation	ECA
	Engineering Tool Software	ETS
	HVAC Integrated Tool von Siemens	HIT
	Hyper Text Transfer Protocol	HTTP
	Hyper Text Transfer Protocol Secure	HTTPS
	Internet Protocol	IP
	KNX System installation methods	KNX S-Mode
	Konnex	KNX
	Network Address Translation	NAT
	Port and Address Translation	PAT
	Remote Network Driver Interface Specification	RNDIS
	Simple Mail Transfer Protocol	SMTP
	Shielded Twisted Pair	STP
	Transport Layer Security	TLS
	Transmission Control Protocol	TCP
	Universal Serial Bus	USB
	Unshielded Twisted Pair	UTP
	Web Application Programming Interface	Web API

Connection diagrams

Connection diagram

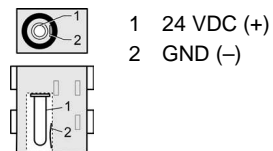


KNX connection terminals



Pin assignment

DC 24 V plug



Dimensions

