S

Infrastructure & Cities

facts

Product Release
LPB Web server

OZW672...
V3.0

The LPB web server is now available and has basically the same functionality as the KNX web server:

- 3 Type for 1 BSB- or up to 16 LPB-Controller
- Plant diagram

No. 36E157BC**en**
January 2012

36, HVAC Standard Control
Product Release

Products
RVL4.., RVP3.., RVP5..
RVD2..
RVA.., RVS.., RVC..
LMU.., LMS..
OZW672.01
OZW672.04
OZW672.16
ACS790

Contents

1 Summary 3
Background Information 3
Additional Features 3
2 digital inputs for fault messages 3
Full- and Partial view The double arrow in the upper left-hand corner switches the view 3
Supported Web-Browser 3
Ordering and delivery 4
Product Introduction 4
Replacement 4
Field tests 4
Import of Plant Diagrams 5
Plant Diagrams exported by any OZW 5
Plant diagram exported by the ACS790 5

2 System overview and product description 6
Operation 6
Monitoring, Alarming 6
Commissioning 6
Commissioning and Remote Service with ACS Software 7
Supported Languages 7
Offline Trend with ACS 7
Remote Access 8
Limitation of the Web Server Operation 8
Internet Download 8
Valid Version Set 9

3 Product documentation 10

4 Contact 10

Background Information

Based on the already introduced web server OZW772 and OZS164.13, we developed the new LPB web server OZW672. This KNX and the LPB Web server has basically the same functionality. So both web server are available in version V3 and are delivered with the following revisions:

- KNX-Web server OZW772: with V3.06 (first official revision of the V3)
- LPB-Web server OZW672: with V3.03 (first official revision of the V3)

Compared to the KNX Web server, the LPB Web server supports also:
• 2 digital inputs for fault messages
• Switch web page views between Full view and partial view
In contrast to the KNX Web server OZW772, the LPB Web server OZW672 has no energy consumption acquisition.

Additional Features

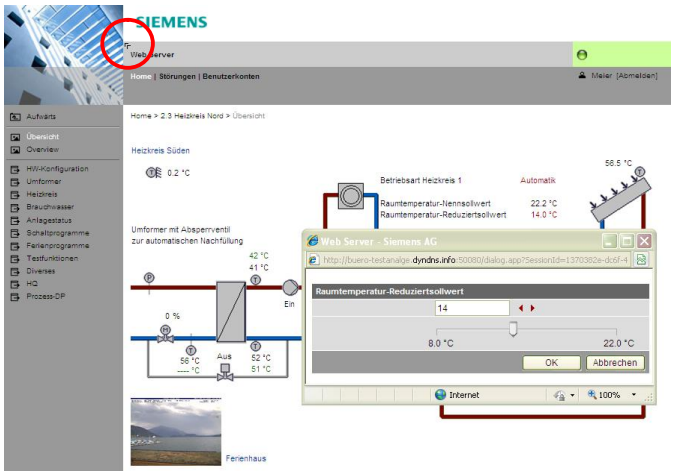
2 digital inputs for fault messages

The LPB / BSB controllers have usually only a few digital inputs. Therefore the LPB Web server offers 2 additional digital inputs for fault messages. The behavior in case of a fault can be defined.

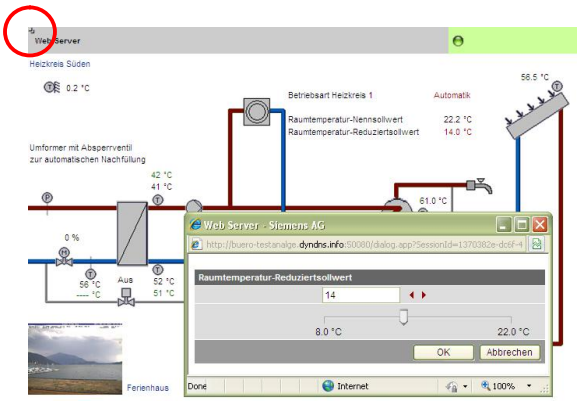
Full- and Partial view

The double arrow in the upper left-hand corner switches the view.

Full screen



Partial screen



Supported Web-Browser

We have intensive and successfully tested the following PC Web-Browser:

- Internet Explorer V7.0 and V8.0
- Mozilla Firefox V3.6 and V4.0

The Internet Explorer V6.0 works, but has some minor defects.

Smartphone or PDA Web-Browser

The Safari on the iPhone works perfect. If the installed browser on other devices is not working properly, then we recommend Opera Mobile web-browser.
Downloads for several operating systems are available:

- Opera Mobile http://www.opera.com/mobile/download/

Ordering and delivery

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

- Web server OZW672.16

The following is included in the package:

- Installation instructions G5711 (multilingual)
- Power cable, power supply AC 230 V
- Ethernet cable
- USB cable
- 2 cable ties

The commissioning instructions C5712 (de/en) are available on the web server at:
http://<IP-Adresse>/doc/

Name	ASN Product number	Greek price list 2012 (€)
Web-Server for 1 LPB-/BSB-Device	OZW672.01	380,00€
Web-Server for 4 LPB-Devices	OZW672.04	715,00€
Web-Server for 16 LPB-Devices	OZW672.16	1.050,00€

Product Introduction

The OZW672... are on stock in central warehouse in Nurnberg, Germany .

Replacement

The production of OZS164.13 is stopped and will be fully replaced by OZW672.01.
A firmware update from OZS164.13 to OZW672.01 is not possible.
Ordering of OZS164.13 is still possible until the stock is sold out.

The OZS164.23 with built-in GSM-Modem for SMS-Commands and SMS-fault messages remains unchanged and is still in production.

Field tests

Field test plants are successfully in operation in several countries. These plants are operated with a Web Browser connected via Ethernet and DSL-Modem. The commissioning of bigger plants was done with the ACS. Any faults are sent per Email.

Import of Plant Diagrams

For the import are two sources available. After the import a pop-up “Properties” appears.
If necessary, the datapoint addresses can be replaced:
Left column: the addresses of the source are listed.
Right column: the new address can be selected from the OZW-device list.

Plant Diagrams exported by any OZW

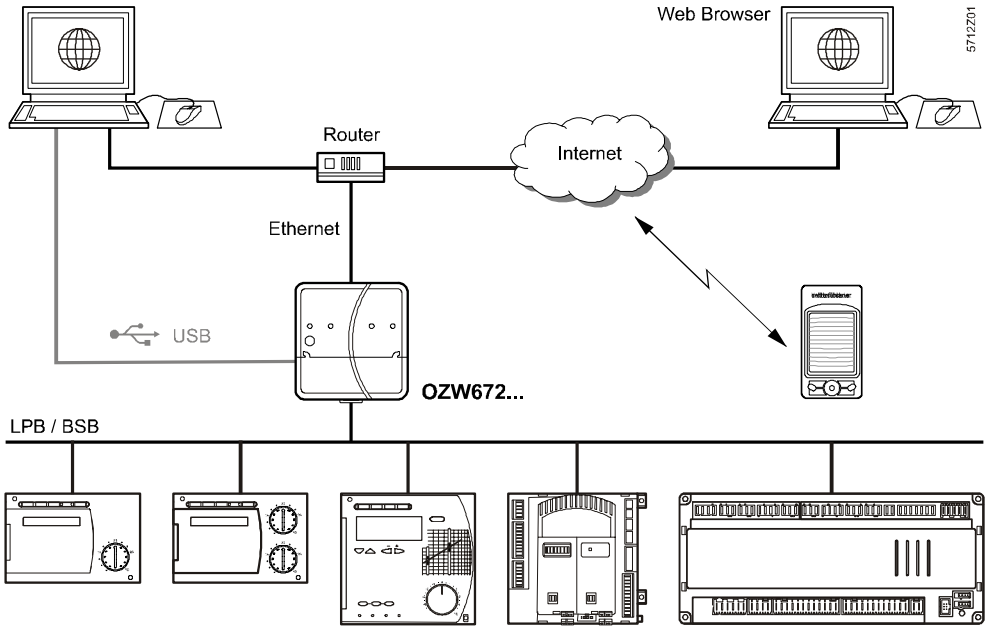
Plant diagrams can be exported by any OZW672 to a PC. This is the way to build up your own library.
However you can import them later on to any OZW672.

Plant diagram exported by the ACS790

The ACS790 supports also the export of user defined plant diagrams. Within the Export function, the plant diagram format *.tar for the web server is also available.
After the import into the OZW, the field box sizes may need to be reworked as follows:
In ACS, a datapoint could have the text box attribute “size automatic”. But OZW doesn’t support this feature. If the size is defined manually, then OZW will adopt the size correctly.
Either you remove the attribute “size automatic” in the ACS plant diagram or resize the field, with the web browser, in the web plant diagram.

Operation

Connections for local operation (USB) and for remote operation via Ethernet:



Monitoring, Alarming

Faults are displayed in the web browser and, if configured, sent per email via Ethernet.

Commissioning

The web server is commissioned locally via USB with a PC/laptop. A web browser or ACS software must be installed on the PC/laptop. The supplied USB cable connects the web server to the PC/laptop.
Additional information is available in the installation instructions G5711 (inserted in the package) or the commissioning instructions G5712, available on the web server at the address: http://<IP address>/doc/

LPB Device list

With the web browser, the device list must be created manually. The procedure is to enter the corresponding bus address for every device.
For bigger plants we recommend commissioning with ACS for the following reasons:

- ACS searches all devices on the bus automatically
- ACS can refresh the device list automatically after exchanging of a bus device or a bus address

Commissioning and Remote Service with ACS Software

The ACS790 V8.0 or higher must be installed on the PC/laptop. The preferred connection to the OZW is locally via USB. Also an Ethernet connection is possible, but not a connection via OCI700. The ACS790 includes the current device description of the OZW772....

Supported Languages

The Web server can be operated with a web browser in 23 languages.
The language of the Web server is applied to web server fault text messages, message history, messages and system reports and supports 15 languages, as ACS790.

	Implemented Languages	
	Web operating language	ACS and Web server
Croatian	x	
Czech	x	x
Hungarian	x	x
Polish	x	x
Romanian	x	
Serbian	x	
Slovak	x	x
Slovenian	x	
Bulgaria	x	
Russian	x	x
Danish	x	x
Dutch	x	x
English	x	x
Finnish	x	x
French	x	x
German	x	x
Italian	x	x
Norwegian	x	
Portuguese	x	
Spanish	x	x
Swedish	x	x
Greek	x	
Turkey	x	x

Offline Trend with ACS

OZW672 supports the same Offline Trend feature as OZW772. The read out is done with ACS790 only.

Remote Access

Dependent on the application, the router has to forward the following ports to the OZW:

OZW Standard-Port	Protocol	Application
Port 80	http	Web browser
Port 443	https	Web browser encrypted connection
Port 50005	private	ACS790
Port 21	ftp	ACS Offline Trend

If the application operates with different Ports, then the router has to translate those ports to the OZW-Standard-Ports. Details see in the commissioning instruction C5711.

Limitation of the Web Server Operation

- Plant diagram
    - Unlimited number of plant diagrams
    - max. 100 Datapoints per plant diagram
    - the time to display the whole diagram depends on:
        - Download time of background picture- and part picture (loaded from the Cache, if already available)
        - Number of datapoints (several 100 ms per datapoint)
        - Text and Link can be ignored
    - Normally there is enough memory on the web server available. Otherwise a warning message appears
- 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.

Internet Download

No updates are available at the moment.
When needed, downloads will be available on this internet page:
http://www.siemens.com/Sigmagyr > Tools > Downloads for HVAC controller.

Valid Version Set

The following devices from the Sigmagyr/Albatros product range can be connected to each OZW672... web server via LPB/BSB:

RVD230
RVD235/109
RVD235/189
RVD240
RVD245/109
RVD245/189

RVD250
RVD255/109
RVD260
RVD265/109

RVL469
RVL470
RVL471
RVL472
RVL479
RVL480
RVL481
RVL482

RVP300
RVP310
RVP320
RVP330
RVP331
RVP340
RVP350
RVP351
RVP360
RVP361

RVP502
RVP540
RVP550

RWI65.01
RWI65.02

OCI364.03/101

OCI600
OCI611
OCI611.01
OCI611.05
OCI611.16

OZS164.13/101
OZS164.23/101
OZW672.xx

LMS14.000/349
LMS14.001/100
LMS14.001/236
LMS14.063/109
LMS14.191/109
LMS14.191/209
LMS14.319/109
LMS14.319/167

LMS15.000/349
LMS15.001/100
LMS15.063/109
LMS15.191/109
LMS15.191/209
LMS15.319/109

LMU5x6x
LMU5x6x/100
LMU5x6x/127
LMU5x6x/130
LMU5x6x/136
LMU5x6x/149
LMU5x6x/152
LMU5x6x/153
LMU5x6x/158
LMU5x6x/167
LMU5x6x/168
LMU5x6x/172
LMU5x6x/174
LMU5x6x/176
LMU5x6x/177
LMU5x6x/180

LMU7/100
LMU74
LMU75

RVA43.222/100
RVA43.222/104
RVA43.222/109
RVA43.222/130
RVA43.222/146
RVA43.222/160
RVA43.223/100
RVA43.223/104
RVA43.223/109
RVA43.223/113
RVA43.223/130
RVA43.223/146
RVA43.223/160
RVA43.223/173

RVA46.531/100
RVA46.531/104
RVA46.531/109
RVA46.531/113
RVA46.531/125
RVA46.531/130
RVA46.531/136
RVA46.531/144
RVA46.531/146
RVA46.531/160
RVA46.531/173
RVA46.531/190
RVA46.531/213
RVA46.531/236

RVA47.320/100
RVA47.320/104
RVA47.320/109
RVA47.320/113
RVA47.320/125
RVA47.320/130
RVA47.320/136
RVA47.320/146
RVA47.320/173
RVA47.320/179
RVA47.320/236
RVA47.320/380

RVA61.642/109
RVA61.642/160
RVA61.690/109
RVA61.690/160

RVA63.242/100
RVA63.242/109
RVA63.242/110
RVA63.242/113
RVA63.242/130
RVA63.242/144
RVA63.242/146
RVA63.242/160
RVA63.242/260
RVA63.244/160
RVA63.280/100
RVA63.280/104
RVA63.280/109
RVA63.280/110
RVA63.280/130
RVA63.280/144
RVA63.280/146
RVA63.280/160
RVA63.280/380

RVA65.242/116
RVA65.642/100
RVA65.642/109
RVA65.642/146
RVA65.643/109

RVA66.540/100
RVA66.540/109
RVA66.540/110
RVA66.540/130
RVA66.540/146
RVA66.540/160

RVC32.410/124
RVC32.410/159
RVC32.410/398
RVC32.411/360
RVC32.420/181
RVC32.420/397

RVS13.123/104
RVS13.123/109
RVS13.143/102
RVS13.143/109
RVS13.143/110
RVS13.143/127
RVS13.143/160
RVS13.143/183
RVS13.143/192

RVS21.826/109
RVS21.827/127
RVS21.828/127
RVS21.829/130

RVS23.120/320
RVS23.140/320
RVS23.220/320

RVS26.530/320

RVS41.813/100
RVS41.813/109
RVS41.813/127
RVS41.813/131
RVS41.813/187
RVS41.813/327

RVS43.122/100
RVS43.122/200
RVS43.143/100
RVS43.143/104
RVS43.143/109
RVS43.143/110
RVS43.143/143
RVS43.143/146
RVS43.143/154
RVS43.222/100
RVS43.345/109

RVS46.530/100
RVS46.530/104
RVS46.530/109
RVS46.530/146
RVS46.530/191
RVS46.543/100
RVS46.543/109
RVS46.543/160
RVS46.543/360

RVS51.843/109
RVS51.843/160
RVS51.843/169

RVS53.183/109
RVS53.283/180

RVS61.843/100
RVS61.843/105
RVS61.843/109
RVS61.843/131
RVS61.843/147
RVS61.843/160
RVS61.843/169
RVS61.843/170
RVS61.843/180
RVS61.843/187
RVS61.843/196

RVS63.243/102
RVS63.243/109
RVS63.243/178
RVS63.243/209
RVS63.283/102
RVS63.283/109
RVS63.283/118
RVS63.283/146
RVS63.283/154
RVS63.283/160
RVS63.283/178
RVS63.283/200
RVS63.283/209
RVS63.283/260
RVS63.283/360

RVS65.583/200

3 Product documentation

Web server OZW672...

Document type	Document No.
Data sheet	N5712
Installation instructions (package insert)	G5711
Commissioning instructions	C5712

LPB-Bus

Basic documentation Local Process Bus System engineering	P2370

ACS790 Software

Data sheet	N5649

Service tool OCI700.1

Data sheet	N5655

4 Contact

If you have any questions relating to OZW672…, please do not hesitate to contact with:

George Voulvoutzis, phone +30 210 6864177, e-mail: george.voulvoutzis@siemens.com

For questions relating to technical topics, please get in touch with:
Antonios Mammalis, phone +30 210 6864961, e-mail: antonios.mamalis@siemens.com
Konstantinos Lontidis, phone +30 2310 479482, e-mail: konstantinos.lontidis@siemens.com

We are convinced that the new web server is an attractive enhancement to the proven SIGMAGYR range and opens new business opportunities.

Kind regards

Voulvoutzis George
Product manager for Greece
IC BT CPS GR ATH
✉ Agisilaou 6-8
151 23 ,
Maroussi, Athens
☎ +30 (210) 6864177
@ george.voulvoutzis@siemens.com

Mammalis Antonios
Technical support for Greece
I BT CPS GR ATH
✉ Agisilaou 6-8
151 23 ,
Maroussi, Athens
☎ +30 (210) 6864961
@ antonios.mammalis@siemens.com