# Mounting and operating instructions CEAG Webmodule CG-S LP-STAR

Target group: Skilled electricians



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# **1** Safety Instructions

# 🚹 ΝΟΤΕ

The Webmodule CG-S shall only be used for its intended purpose and in undamaged and perfect condition!

When working on the electronic device make sure that it is disconnected from the voltage! Pay attention to the different power supplies in mains or battery operation.

Observe the national safety rules and regulations for prevention of accidents as well as the safety instructions included in these operating instructions marked with  $\Delta$ !

# 2 Conformity with standards

Conform to: EN 60950-1. Developed, manufactured and tested acc. to ISO 9001.

# 3 Technical data

24 V DC
1.2 W
33 mA +/- 25%
RJ45
IP 20
-10 °C +55 °C
1.5 mm <sup>2</sup>
0,1kg
90 x 35 x 32 mm
-

#### 3.1 Description / Scope of application

The webmodule CG-S for visualisation and monitoring of a LP-STAR system via local ethernet (LAN) with a customary WEB-browser (e. g. Internet ExplorerTM). Integrated mail-client for a comfortable and event based failure notification for up to 5 email addressees. Password protected access accounts capable of parametrisation.

### 4 Important instructions about cybersecurity for using the CG-S web module in Ethernet networks

The CG-S web module is a component of safety devices in an Ethernet communications network, and is therefore particularly important to prevent unauthorised access, for example, through hacker attacks. The CG-S web module has several safety features, e.g. encryption, password protection etc. The security of the CG-S web module ultimately depends on operator settings, e.g. high-quality passwords and the network environment in which the web module operates. An unsecure network environment facilitates unauthorised access by external parties.Here is important information on how to protect the web module and make it highly secure against unauthorised access.

#### Settings of the CG-S web module

Password protection:

Password protection is extremely important to prevent unauthorised and unwanted access by external parties. Certain rules must be therefore followed when setting a password:

- •The password should be at least six characters long; the longer the better. It should contain upper and lower case characters and special characters and numbers (?!%+...).
- Do not use the names of family members, pets, your best friends, favourite stars or their birthdays or similar setups.
- Passwords should not be listed in dictionaries if possible.
- Passwords should not contain common patterns or repeated patterns or keyboard samples, e.g. qwertz or abcd1234 and so on.
- Adding simple numbers at the end of a password or a special character e.g. \$ ! ? #, at the start or end of an otherwise simple password is also not recommended.

The CG-S web module requests that the user sets a new password at the first logon to replace the default password. Failure to do so facilitates hacking enormously. When setting a new password, the password quality is shown with colour codes for assistance.

#### Use in a network, e.g. intranet

General instructions to managed network hardware, e.g. routers, switches etc.

- Keep your firmware up to date!
- Change the default password of the device!
- When configuring the router, disconnect the device from the network!
- Set up a firewall with MAC address filtering!
- Activate DDoS protection (Distributed Denial of Service)
- Block unneeded ports and protocols
- Deactivate the unused features of your router!
- Deactivate remote access to your router!
- Additional instructions to WLAN components
- Configure your access point using secure channels. The access point should be set up and administration performed through a wired connection and not using wireless access.
- Modification of the network name (SSID)
- Activate an encryption method, at least WPA
- Encryption using the default WEP is unsecure and not recommended.
- Use a complex password consisting of at least 20 characters to protect your WLAN, because so-called offline attacks can be made even without an active network connection.
- Deactivate the WPS-PIN procedure!
- Turn on your WLAN only when in use.

Further recommendations and best practices are listed in the EATON whitepaper "Cybersecurity considerations for electrical distribution systems" available via a search engine with the search key word "WP152002EN" for download as PDF file.

# 5 Installation

<u>∧</u> NOTE
For the mounting and operation of electrical apparatus, the respective national safety regulations as well as the
general rules of engineering will have to be observed!

#### 5.1 Mounting

Pay attention to tempera-tures outside the permitted range during operation. The permissible ambient temperature may not exceed 55°C.

The module was designed for DIN rail mounting (2TE) to be only mounted in the cabinet. An external mounting outside the LP-STAR Unit is not permitted.

#### **5.2 Electrical connection**



Failure LED

#### 5.2.1 Electrical connection to the CSU (LP-STAR)

The webmodule LP-STAR is supplied with 24V DC of the LP-STAR Unit. The PE connector must be connected to the protection earth (PE) in the LP-STAR UNIT.

Note: The DC-DC inverter can supply max. 20 pcs. further DLS/3Ph-busmodules/TLS-modules! The 6-pole data cable connects the webmodule with the CU control unit:





Placement of the webmodule in the LP-STAR

Connection of the webmodule

unit CSU

# 5.3 Commissioning the Webmodule on the control unit

After connection of the power supply (24V DC), the webmodule needs up to 1.5 minutes for booting. After the booting, the red LED of the webmodule flashes slowly. To log on the webmodule on the CU control unit, the service pin of the webmodule must be pressed for approx. 1 second. The menu "webserver setup" appears in the display of the control unit of the ZB-S / AT-S+. During the log on procedure the display shows a lot of question marks. After approx. 3-5 seconds the display shows the standard settings of the webmodule:



The webmodule gets automatically activated to the control unit, which is displayed by the red LED (some seconds) of the control unit and the webmodule. After 1-2 minutes the procedure is finished and the webmodule is ready to operate.

#### LED-display of the webmodule:

- Green LED on:
  - registrated on control unit + normal operation
- LED flashes red/green:
  - Reset of the webmodule to factory default
- LED flashes red:
  - Webmodule not registrated on control unit
- LED flashes quickly red:
  - No connection to the control unit

#### Service pin of the webmodule:

- Press the service pin for:
  - < 3 sec.: Register/unregister of the webmodule on the control unit (CSU)
  - > 10 sec.: Reset to factory default



All programmed data get lost!

#### 5.4 Deactivate the webmodule on the control unit

The webmodule can be deactivated on the control unit. For this, the service pin of the webmodule has to be pressed for approx. 1 sec. The screen showed in the picture above appears. With the push button "arrow left" or "arrow right" the webmodule can be set as "not installed". Press o.k. and back with menu button. Now the webmodule is offline and the red LED flashes slowly.

During activities on the control unit of the ZB-S /AT-S+, e.g. programming of luminaires, it is possible that the connection between the control unit and the webmodule is interrupted for a short time. This gets displayed by a red LED on the control unit or rather on the webmodule.

Furthermore the webbrowser shows "data is synchronized". The connection will automatically be restored after a short time.

#### 5.5 Monitoring via an internet browser



IP: 192.168.100.6

The webmodule allows a visualisation of a ZB-S/US-S central battery system or an automatic test system AT-S+ via ethernet.If the device shall be installed in a factory intranet it is necessary to get all required information, like network settings or mail settings from the IT-department in charge (see chapter 6.5, Settings)

Standard IP-address in factory default is: 192.168.1.200

# 6 Handling LP-STAR

I di □ Cantificata ence Naviga × + ∨		- 0 ×
- → O @   192.166.1200		□☆ = ఓ ∞ …
	This site is not secure	
	This site is not secure	
<u>(')</u>		
$\mathbf{\mathbf{v}}$	This might mean that someone's trying to fool you or steal any info	
	you send to the server. You should close this site immediately.	
	Go to your Start page	
	Details	
	Your PC doesn't trust this website's security certificate.	
	The hostname in the website's security certificate differs from the	
	website you are trying to visit.	
	Ennon Code, DIC FLACE INVALID CA	
	DIG FLAGS SEC CERT ON INVALID	
	DEG_PEAGS_SEC_CERT_CN_INVALID	
	Go on to the webpage (Not recommended)	



#### ATTENTION

At the first start of a webbrowser, it can take up to 15 sec., until the access to the website is possible.

Due to a secured connection to the webserver, it is necessary to use https:// xxx.xxx.xxx. (ipaddress). With factory default 192.168.1.200 will be the right address: https://192.168.1.200

A message with an invalid security certificate appears. This is harmless. Continue with "Go on to the webpage".

Note: This website and message can be different in dependence of used web browser.

Following dialog box with user/password appears.

Without enter of the user name and password, continue with "OK".

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← → O @   ⊙ zestiliartel	ler 192,168,1,290,indexcp;tlang=0	[] 女	=	1. 19	•
			56	Email	i.
FAT-N Powering Business Worldwide					
Logged in as					
Admin Log out change password	Please set passwords now				
10 July 2017 - 14:48					
LP-STAR links	User: Admin	IMinimum 6 letters			
	Retype password:	Lower case			
System status	Accept unsecure password (Min. 6 letter + 2 additional points):	⊠Opper case ⊠Numbers			
Status Circuits	UNIT 1 MAR DEMONSTRATE	Special characters			
Input/Output					
Settings	Version: ZZ74.A				
Mail messages					
Modbus					
Contact					
Service					
Other webmoduls					

#### **⚠** NOTE

With the first Login, it is neccessary to set a new password.

A secure password must fulfil minimum the first plus two following criteria:

- min. 6 letters
- min. 1 lowercase letter
- min. 1 uppercase letter
- min. 1 number
- min. 1 special character

During enter of the password a view displays whether the above criteria are fulfilled. A red cross indicates if not all criteria are fulfilled and acceptance of the password is denied.

Copyred in as     Copyred	🔁 🕫 🗆 LIPSTAR LIPSTAR links 🗙 🕂	↓ ∨		-	σ×
Cogred in as       Admin         Log out       Log out         10 July 2017 - 14:49       Please set passwords now         LP-STAR links       Please set password:         System status       Status Circuits         Input/Output       Status Circuits         Settings       Vesso: Z74A	$\leftarrow$ $\rightarrow$ O $_{\odot}$   $\odot$ zertituete	felier 192.193.1202.ideccgiting=0	=	t.	e
Logged in as         Admin         Log out change password         0 July 2017 - 14:49         LPSSTAR links         System status         System status         Input/Output         Settings         Versor 22/4A			- 55	\$ Em	ail
Logged in as       Admin Log out change password       10 July 2017 - 14:49       LP-STAR links       System status       System status       Status Circuits       Input/Output       Settings	FAT-N Powering Dusiness Worldwid	de			
Admin Logoal charge personed     Please set passwords now       10 July 2017 - 14:49     User: Admin Password: ********       LP-STAR links     Retype password: ********       System status Status Circuits     Accept unsecure password (Min. 6 letter + 2 additional points): Status of routs       Input/Output     Vesse: Z274A	Logged in as	1			
10 July 2017 - 14:49     User: Admin       LP-STAR links     Password: *******       Retype password: *******     EMinimum 6 letters       System status     Accept unsecure password (Min. 6 letter + 2 additional points): Distributional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure password (Min. 6 letter + 2 additional points): Distribution of the secure passw	Admin Log out change password	Please set passwords now			
Retype password:     Image: Constraints       System status     Accept unsecure password (Min. 6 letter + 2 additional points):     EUpper case       Status Circuits     Input/Output       Settings     Vesor 22/4A	10 July 2017 - 14:49	- User: Admin Password: ••••••• IBMinimum 6 letters			
Status Circuits Input/Output Settings Vesion 2274 A	System status	- Retype password:			
Input/Output Settings Vesco: 2714 A	Status Circuits				
Settings Vessor ZZ/4A	Input/Output				
	Settings	Verson: 2274 A			
Mail messages	Mail messages				
Modbus	Modbus				
Contact	Contact				
Service	Service				
Other webmoduls	Other webmoduls				

If above criteria are fulfilled this is indicated with a orange or green tick and the password can be adopted via "Set new password".

If for any reason no secure password is desired, the request for criteria can be deactivated by ticking "Consent to insecure password". Simple passwords can then be specified but this is not recommended due to security reasons. The password can be reset at any time via "Modify password".

#### ATTENTION!

If the password is lost, it is only possible to reset the webmodule to factory default (Service Pin > 10 sec.).

# 6.1 Submenus LP-STAR

#### 6.2 Overview LP-STAR

N. 12 202 202							
Formering business rotations are	2		റ			 	
Logged in as				2			
Admin		Start function test	Reset deep discharge				
Last login.	Dev	ica etatue	Batte	ou etatue			
Log out	Operation		Charger				
change password	Blocked		Converter	1			
10 July 2017 - 14:13	Battery operation	And in case of the local division of the loc	ISO failure	Concession of the local division of the loca			
	Function test is active		Deep discharged	8			
LP-STAR links	Duration test is active	-	Battery circuit failure	12			
	Manual reset	2 million	Batterie string error	20			
stem status	Delay on mains return	-	Battery capacity too low	Distance in the local			
202222000000	Failure	No.	State of charge	100 %			
atus Circuits	Mains failure	0	Voltage	27.24 V			
ut/Output	Mains failure on sub db	No.	Current	+0.02 A			
areapar	Circuit failure			S	- 24		
tings	Luminaire failure		Software	information			
il maccasas			ATMega	Z270.E			
iii messages	Auto	matic tests	Neuron FTT10A	Z271.0			
odbus	Next function test	by CGVision	Webmodul	Z274.A			
• • •	Next duration test	by CGVision					
ntact							
vice							

\*Due to security reasons (remote access) and after starting a function test, you must wait for 30 minutes before starting a new function test. The remaining time is displayed on the button. The function test functionality is deactivated during the remaining time. If for special reasons several consecutive function tests are required, these must be started on the system on location. After successful login the mask "Overview ZB-S" appears by showing all relevant statuses of the system (control unit), battery and charging unit as well as display of the next automatic test (FT/BT) and software information on the control unit ZB-S. The statuses are shown coloured:

green: function o.k. yellow: FT/BT runs red: function failure

When logged in as "admin" it is possible to push the buttons for the following commands: ①

- start function test\*
- reset deep discharge protection

Choosing the menus on the left side you get in the marked submenus. 2.

#### 6.3 Overview final circuit

15 40 D LPSTAR (PSTAR ING × +	2				- 0 >
← → ○ @   ○ centificate eno	r 192.156.1.298-tillungi				
					Email State
FAT-N Powering Business Worldwide	,				
Logged in as					
Admin Log out change password				2	
20 July 2017 - 07:44			主,十七	9	
LP-STAR links					
System status		Circuit 1 5		Circuit 2	
Status Circuits	Status	Circuit 1	Status	Circuit 2	
Input/Output	Fuse	-0	Fuse		
Settings	Overious		Ovendad		
Mail messages	8	Circuit 3		Circuit 4	
Modbus	Status	L	Status		
Contact	Fuse		Fuse		
Service		9.2 9.2	and the second se		
Other webmodule					
Uther webmöduls					
	1				

In picture "Status Circuits" 3 the status of the individual circuit 4 will be displayed.

- Status: Sum status circuits
- **Fuse:** Outgoing fuse of the circuit
- **Overload:** Overload display of the circuit

Meaning of the colours:

- Red: Failure
- Green: OK

**5** With a click on the individual circuit the appendant mask starts.

#### 6.3.1 Circuit picture

Switch 1 Meintained Meintained LON 1	Switch 2		
Maintained Meintained LON 1			
Mantained			
LOT I.			
		_	
		100	
		-	

The circuit picture shows the status of the circuit and the status of installed luminaires incl. destination text and switch assignment.

The to-be states of the luminaires are displayed as follows:

- Grey: switched OFF
- Yellow: switched ON
- Red: Failure

#### 6.4 Input / Output



The menu Input/Output shows the status of the optional inputs 2 which must be programmed as switch, relay outputs 3, LON switches and Timer 5.

• Grey: Function not active

• Yellow: Function active

If the internal timer on the LP-STAR control unit is deactivated, the Timer times and week days **b** are crossed out in the picture.

#### 6.5 Settings

> 0 @ 10	Certificate error 190.168.1.300 vottings.cg						□☆  = & છ
							Email
ToN							
Pauseiner Rusioners World	uide .			•			
ronning carners mere	-10						
Logged in as		-	User adminis	tration		100	
Admin	Admin	anow bevice status	start function to	Reset deep discharge	website setup	12	
Log out							
cualifie baseword			Sava	1.5			
July 2017 - 07:45			Sure				
D.STAP links		Website setup		E-M	il options B		
-P-STAK IIIIKS	Langua 3	Great Britain - er	nglish 🗸 🛛 A	uthentication:	Passw.		
	Update Interval	60 sec.	E	incryption:	None V		
em status		Save		OP3 server:			
as Circuits			P	OP3 Port.	0		
	(4) N	etwork setup IPv4		MTP server:			
VOutput	Details and and and any.	102 108 1 200	5	MTP port:	0		
nas	School mark	255 265 255 0		Nen			
Section of	Catavort	102 168 1 1	- Colored P	assword:	•••••		
messages	DNS sequer	192 168 1 1		end with IP-Link:	2	1000	
bus	Hosto ame	00.8		iender:		-	
	ricountanie.	Sint		tecipient 1:			
act		0010	-	tecipient 2:		-	
ice	5 N	etwork setup IPv6		tecipient 3:			
	Obtain auromatically:			tecipient 4:			
r webmoduls	IP-address (Static):	fec0::2/64		terripient 5:			
	IP-aidness (Link-Local):	fe80::20c:c1ff.fe0	05:e7c0/64		Save		
	Gateway:	fec0::1	100	Cond Instand	Maillon		
	DNS server.	2001:4860.4860	.8888	Seru estruit	Cherche Lang		
	No	Save					
	E.	xt. battery monitor					
	in-econess.	0.0.0.0					

In the picture "Settings" it is possible to set up the main settings of the web server:

#### **2** User administration:

Enter of new user with different access rights, which can activated/deactivated with a tick.

After confirmation via "Save" a message appear, to enter a password for the new user.

#### **3** Website setup:

- Selection of the language
- Update interval of the webpage (standard is 60 sec.)

• Network setup IPv4: Please contact the IT-department, which dictates the parameters in the intranet:

- IP-address: obtain automatically
- -> IP-address gets awarded over DHCP-server
- IP-address: for static IP-address use following values
- -> static IP-address
  - IP-address: xxx.xxx.xxx.xxx
  - Subnet mask: xxx.xxx.xxx.xxx
  - ateway: xxx.xxx.xxx.xxx
  - DNS server: xxx.xxx.xxx.xxx

• Network setup IPv6: The webmodule supports the new IPv6. Please contact the IT-department, which dictates the parameters in the intranet, e.g. DHCP or IP-settings.

**6 E-Mail options:** The LP-STAR webmodule has an integrated mail-client, which can send an Email to up to 5 email-addresses in case of an adjustable event (see chapter 6.6. "Mail messages"). You get the necessary information from your relevant IT-department (e.g. POP3 or SMTP server) Please note the required "Encryption" which can be START-TLS or SSL/TLS.

#### 6.6 E-Mail messages

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	the mor 1923661280 http://orig.op		
			- 213 15 Eme
11 • N			
Powering Business Worldwide			
Logged in as	Send e-	fail when:	
	Error	E-Mail	
Admin	Communication failure		
hange pasaword	Mains failure		
	Function test is finished		
July 2017 - 07:46	Duration test is finished	<u> </u>	
P-STAR links	Balleou circuit failure		
	Circuit failure		
of etail and	5		
n eldiue			
Circuits			
Jutput			
gs			
10550(305			
JS			
	-		
ct			
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webmoduls			

In this menu it can be chosen in which case of failure an Email shall be send, e.g. after a functiontest with detailed status information.

#### 6.7 Modbus/IP



Modbus port: Default on port 502, but changeable if desired Modbus Master IP: IP-Address of the Modbus master Modbus Master Mask: Subnetmask of the Modubus master The new settings will be overtake first, with click on "save". The webmodule LP-STAR contains an integrated Modubus/IP-interface 2, which allows a connection to a modbus based building management system (BMS) of the LP-STAR system. A complete Modbus interface description is available separate, e.g. via the customer center, or as download from www.ceag.de

#### Modbus settings 3:

**Modbus active:** With a hook the modbus interface can be activated.

**Sum failure priority 2:** If this function is activated, a luminaire failure is not include in the sum failure.

#### Password protection: A

password protection can be activated here, if a password protection is desired.

## 6.8 Contact

Contact address     Cooped in tas     Cooped     Cooped     Cooped     Cooped	🕾 🕫 🗄 Lipistan: Lipistan links 🗙 🕂	v			- 0	×
	$\leftarrow \rightarrow \bigcirc$ $\bigcirc$ $\bigcirc$ centioned	mor 192.166.1.200 (contact.ep)	□ ☆	-	в. е	<u>،</u>
Corper Lass         Log out change password         20 July 2017 - 07:48         CODER Lighting         System status         System status         Status Circuits         Input/Output         Settings         Mail messages         Modus         Other webmoduls			1	58	Ema	il
	Proving Bainass Worldvale Logood in as Admin Log out change password 20 July 2017 - 07:48 LP-STAR Links System status Status Circuits Input/Output Settings Mail messages Modbus Contact Service Other webmoduls	Great Britain CoOPER Lighting Wheatey Hall Road Doncaster South Yorkshine DN2 4NB e-Mail: info@cooper-ls.co.uk Internet: http://www.cooper-is.com				

In the menu "Contact" **1** a responsible contact address for CEAG products appears, according to the selected language.

#### 6.9 Service

On the "Service" screen, transmission statistics and web module information can be read out, commands triggered and an FTP server started for carrying out a secure firmware update.



 Transmission faults are displayed here. These may provide information with network problems.

- 2 The following commands enable:
- The web module to be rebooted
- The web module to be reset to its state of supply
- A service PIN to be sent, enabling the web server menu to be shown in the display of the LP-STAR
- A test mail to be sent for testing the mail function
- 3 To carry out a firmware update the FTP server of the web module must be activated beforehand. The .bat file for the update can then be executed.

#### 6.10 Additional webmodules

Datei Bearbeiten Ansicht Eavonten Extras I										
Favoriten										
Theory conversion										
Logged in as										
Admin	(	Other web	moduls							
Log in	Name	IP-address	MAC-address	Version	Status					
Log out	IO-Modul: T&Q Gerat 2 (BI)	10.88.36.36	00:40:9D:4C:91:F7	Z360.b06	Operation					
	CGLine: ADR511 Name	10.88.36.67	00:40:9D:2F:19:EE	Z355.G	Failure					
	CGLine: CG-EBLine Haus 6	10,88,36,109	00:40:9D:36:B6:24	Z355.E	Fallure					
21 July 2017 - 09:56	IO-Modul: T&Q Gerät 3 (BI)	10.88.36.141	00:40:9D:36:B7:67	Z360.A	Operation					
	IO-Modul: CEAG Notlichtraum	10.88.36.145	00:40:9D:36:B7:87	Z360.b05	Operation					
ZB-S Anlage Rainer	CGLine: PC-Interface T&Q 149	10.88.36.149	00:40:9D:31:78:6F	Z355.g03	Failure					
	IO-Modul: F3 IP Interface	10.88.36.159	00:40:9D:2E:F6:35	Z360.C	Operation					
	CGLine: PC-Interface T&Q 166	10.88.36.166	00:40:9D:2F:18:34	Z355.g03	Operation					
Status ZB-S	ZB-S: ZB-S Anlage Rainer	10.88.36.183	00:40:9D:3F:AA:F4	Z470.J	Operation					
	ZB-S: ZB-S US1 BI	10.88.36.196	00:0C:C1:05:E7:B9	Z274.039	Operation					
Status SKU's	ZB-S: ZB-S mit Ladeteil	10.88.36.200	00:0C:C1:05:E7:BF	Z274.039	Operation					
	ZB-S: CEAG ZB-S Name	10.88.36.207	00:0C:C1:05:E7:B7	Z274.039	Operation					
DIS/TIS/3PhM		~								
	Create manual list	3								
Sattings		-								
Settings										
Mail messages										
in an incosages										
Modhus										
Noubus										
Contact										
5-45-71 (1-2-15-1-1-										

This menu 2 shows all installed ZB-S, AT-S+ and LPSTAR webmodules in the network including their addresses and acutal status. The device name in bold shows the current webmodule on which website you are at the moment. Choose webserver by clicking on its name, than the relevant mask will appear This function "other webmodules" uses broadcast to find the other webmodules in the network. If no webmodules appear in this menu, even if there are modules installed, the network blocks broadcast communication. In this case it is necessary to creat a manual list 3 (see chapter 6.10.1 "Create manual list").

#### 6.10.1 Create manually list

A 40 🖯 LP-STAR LP-STAR links 🗙 -	+ ~	- a ×
← → O @   ⊗ center	e emor 192,168,1,200,1xdd,wethorwor.cpi	
		Email
Powering Business Worldwide		
Admin Log out change password 20 July 2017 - 07:49 LP-STAR links System status Status Circuits nput/Output	Create manual list: 192.168.1.200LP-STAR links	
Settings		
Mail messages		
Modbus Contact Service Other webmoduls	ADDP Update interval sec.: 60 Save Gearch webmoduls example: 192,168,1,200 Webmodul Halle 1 192,168,1,201 Webmodul Halle 2	

"xxx.xxx.xxx.xxx" // Text 1.Webmodule

"xxx.xxx.xxx.xxx" // Text 2.Webmodule

Example see below of the Figure **2**. It is possible to try "Search webmodules" in the network **3** 

🔁 🕫 🗆 LE-STAR LE-STAR INK 🛛 🕹	+ ~	- a ×
$\leftarrow \rightarrow$ O $\otimes$ $\otimes$ cent	ate error 192.168.1.200/indd_webserves.op/	□ ☆   ≕ ℓ. @ …
		Email Street Str
FAT-N Powering Business Worldw	9e	
Logged in as Admin Log out change password	Create manual list:	
20 July 2017 - 07:49 LP-STAR links	196: 184: 1.144 P.STAR Floor 3 195: 188: 1.163 P.STAR Floor 4 197: 188: 1.155 LP-STAR Floor 5	
System status		
Status Circuits		
Input/Output		
Settings		
Mail messages		
Modbus	ADDP Lindate interval sec : [80	
Contact		
Service	Save	
Other webmoduls	Search webmoduls	
	example:	
	192.168.1.200.Webmodul Halle 1 192.168.1.201.Webmodul Halle 2 192.168.1.202	

The detected webmodules will be automatically entered in the list **4**. With "Save" **5** the changes will be applied. The procedure can take approximately up to 10 minutes, until all webmodules will appear.

## Notes

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