ACS7XX lühike kasutamisjuhend

- Kasutuselevõtt
- Aplikatsioonid
- Veateated
- Visualiseerimine
- OZW711.XX



Märkus: Käesolev juhend on orienteeritud <u>eriti ACS700</u> (konfigureerimine, teenendus, algseaded ja diagnostika, 200 krediiti) kasutajatele. Küsimused litsentside, pakutava tarkv- ja raudvara sisu jne kohta Siemensist. Kasutajalitsentsid on tellitavad vastavalt tegelikule konfiguratsioonile.

1. Programmi installeerimine (CD-lt)

Programmi installeerimine alustatakse topeltklõpsuga setup.exe teegis, kui installeerimine ei alga automaatselt.

Kui programm vajab valikut milliseid programmi osi installeerida valitakse ACS SERVICE ja ACS OPERATION ja jätkatakse ekraanil olevate juhiste järgi.

Minimaalses ACS versioonis ei käivitu Offline trend, standardgraafika arhiivid (graafika ainult oma visualisatsioonidena) ja Batchwork .

Kui küsitakse"register license now?" või valida nii kohene kui hilisema registreerimine (Vastata "NO"). Soovitav on loodavas 3 taseme paroolides kasutada erinevaid paroole.

ACS service

ACS service programmiga saab muuta ja salvestada parameeetreid (parameter settings), muuta seadearve (pop-card) ja luua online trendi (online trend).

ACS operation

Programmiga saab muuta parameetreid ja muuta seadearve ning soovi korral luua visualiseerimisi (plant diagram).

2. ACS service

Alustamiseks tuleb luua uus seade (plant).

See on vajalik luua kasvõi 1 kord ning vajadusel. Kui kasutate ainult sama ühendusviisi, (OCI700-KNX adapteri). Saab sinna lisada uusi seadmeid jne. Uue ühendusviisi korral on soovitav luua uus "plant".

2.1 Uus seade – New plant

Save in:	Plants	•	← 主	d 🛙	<u>.</u> .
Demo	~	14 - C			(F
New plant.	^ plx				
New plant	rmu.plx				
File name:	Esimerkki laitos				Save
Save as type:	Plant files (*.plx)		•	0	Cancel

Salvestatakse teie valitud nimega.

rype or central unit.	< undefined >	
	< undefined > OCI600 OCI611 OCI69	
	OCI700 - KNX OCI700 - LPB OZW10 OZW111 0ZW771	13
	[02w771	

Valige kasutada olev seade, kui on hooldus, siis OCI700-KNX..

Search area	
When search area is r	estricted, device list reireshing will be faster.
Konnex bus system	
C Device at OCI	700
 Line at 0CI70 	0
C All lines	

Kui valite "line" siis leitaks üles kõik KNX võrgus olevad seadmed.

Seadme loomine lõpetatakse küsimusega "Finish" mille järel programm küsib:

"Refresh device list?" vastates OK luuakse side ning loetakse kõik regulaatorite andmed.

2.2 Parameeetrite muutmine ja salvestamine (Parameter settings).

Kui vajalik "plant" (Open menüüst) on avatud ning andmed loetud, valige "Applications" menüüst parameter settings



Avage vasakul olevad kaustad jõudes lõpuks regulaatorini (Device nn). Regulaatori "standard" parameetrid kopeerige samasse Device address kausta, (copy-paste), lisamenüü avaneb hiire paremast klahvist.



Regulaatorist laetakse parameetrid "upload" käsuga PC-sse.

PCśt laetakse parameetrid regulaatorisse käsuga "downoad". Selleks tuleb reeglina sullgeda üleliigsed programmid.

Saate valida mida laadida märkides ära ruudu vastavate parameetrite juures.

- soovitav on veenduda popcard'ilt "commissioning" menüüst, kas laadimine on lõppenud. Olek, mis tagab regulaatori töö on "off".
- saate laadida ainult regulaatoreid, mis ei ole koha pealt viidud "commissioning" reziimi.
- Kui vajate regulaatorisse nn "kõva koopiat", tuleb see pärast PC-st regulaatorisse laadimist salvestada (save menüüd displeil) koha peal. Pärast regulaatori programmi laadimist ja "commissioning" menüüst väljumist, vt eelnevast, hakkab regulaator tööle uue programmiga, mis püsib ka regulaatori mälus piiramatult.
- Regulaatori kell ei taastu kui voolukatkestus on olnud üle 15 tunni. Saate sellest veateate kui vool taastub.

Salvestamine:"Export to" käsk loob .exp Programmi teegi., mis salvestatakse teeki "paramset" või kuhu salvestate vajalikud koopiat muudetud projektidest.

⊡ Area 0		
Line 2		
⊡… <mark>□</mark> ∰ Devi	ce address 1	
🔅 - 🗖 🎝 St	andard	
🗄 - 🗹 े 🔂	andard (1)	
	Sort	
	Go to 🔶 🕨	
	Upload parameter set	
	ト あownload parameter set	
	Compare parameter set	
	Print	
	Print preview	

Avades vastavad read teegis, saate näha ja muuta (topeltklikk) kõiki parameetreid.

Näitena on avatus Basic configuratio" millest valitakse näiyteks Synco select ist leitud lähim skeem kasutamiseks või modifitseerimiseks.



2.3 Seadearvude muutmine (Popcard)

Seadearve saab muuta samal viisil kui kirjeldet eelnevas.

NB! **Popcard** menuudes teostatud muudatused kantakse viivitamatta regulaatorisse. Te ei vaja käivitada "download" *i*. Popcard on parim tee muutmaks ajakavavasid.

* suuremate muudatuste puhul tasub siiski kontrollida "commission" menüüst, kas regulaatori normaalne töö on taastunud.

Menüüde sõõride tähendused:

•	Data point: The value can be changed / SAAB MUUTA
0	Data point: The value cannot be changed / POLE MUUDETAV
5	Reference data point: The value can be changed / SAAB MUUTA
ଭ	Reference data point: The value cannot be changed/ POLE MUUDETAV
•	Red:/ Punane Parameeter pole veel loetud
•	Black /Must parameter on loetud
•	Blue : SININE parameeter on muudetud kuid pole veel saadetud regulaatorisse.

2.4 Trend (KASUTAMINE SÕLTUB SOFTIST, MIllist softi OMATE)

Online trend laseb ajas jälgida kõiki parameetreid.

Alustage ühenduse loomisest mille järel valige "online trend" "applications" menüüst.

📯 ACS Service - [Online trend]			
Plant Edit View Applications To	ools Window Help		
🖻 🖨 🖪 🗑 🗑 🕺 🖻 🕯	1 ← → 🖻 🔳	× 🖆 🕴	
Esimerkki_laitos			
Folder list ×	C 🛆 Line no.	Name	Device
	Paste		
	New	Node Page / Group Section Separator Data point Device	
		Popcard Parameter set	
		Online trend definition	
		Offline trend definition Trend logging Commissioning definition Commissioning report Plant diagram	
		Memory editor Variable dump Device test	

Kui trendi aken on lahti, looge uus trend parema hiireklikiga mis avab lisamenüü kust valida "online trend defineerimine". Määrake trendile nimi ja kirjeldus kui soovite.

General Interval	Info			
	New online trend	definition		
Location:				
Installer:				
Description:			N.	
∾ACS Service - [Plant Edit Vie	Online trend] w Applications T	OK ools Window He	Cancel	
🖻 🎒 🖪 🕷	· 호 ½ 🖻 🛛	∎ 🗢 🔶 🗈	🔲 🗡 🖆 🤶	
New online	trend definit	tion		
Folder list ⊡∽e∰a Esimerkki_lai New onlin	x ne trend definition	C A Line no Paste). Name	
		New ►	Node Page / Group Section Separator	
			Data point	
			Device N	
			Popcard Parameter set Online trend definitio	r

Kui uus trend on valitud, aktiviseerige vajalikud andmed (IO'd, seaded vms.), avades paremal ,poolel abimenüü, millest "new" ja siis soovitav "datapoint".

Inputs						
Folder Items ×	N	△ Line no.	Address:	Data point	Unit	
⊡	0	1	0;2;1	N.X1	°C	
🗄 🖻 🖿 🖿 Area 0	0	2	0;2;1	N.X2	°C	
🖮 🛅 Line 2	0	3	0;2;1	N.X3	°C	
🖻 💻 Device address 1	0	4	0;2;1	N.X4	°C	
Commissioning	0	5	0;2;1	N.X5	°C	
Room operating mode	0	6	0;2;1	N.X6	°C	
Plant operation	0	7	0;2;1	N.X7	°C	
	0	8	0;2;1	N.X8	°C	
	0	21	0;2;1	[Room temperature 1] bus	°C	
Lontroller 2	0	22	0;2;1	[Noom temperature 2] bus	°C	
	0	23	0;2;1	Actual value room temp	°C	
Bevice information	0	25	0;2;1	Actual value outside temp	°C	
Gerät 1 (BMU720 V1 02)	•	26	0;2;1	Outside temperature simulation	°C	
Gerät 2 [BMU720_V1.04]						
<u> </u>						
					۵	dd Exit

Avaneb "data point selection" aken, kust valida parameeter, kinnitada valik "Add" –iga. Kui kõik vajalikud parameetrid on valitud välju "Exit" –iga. Serejärel käivita trend menüüst "new - trend logging"

Paste	
New	Node Page / Group Section Separator Data point Device
	Popcard Parameter set Online trend definition Offline trend definition
	Trend logging Commissioning definition Commissioning report Plant diagram
	Memory editor Variable dump Device test

Trend peatatakse vasakul menüüs "stop trend logging", sealt leiab ka käsu "edit externally" mille abil on andmed eksporditavad nt .csv faili.

2.5 Visualiseerimine

ACS operating programm saab kasutada ka visualiseeritud esitust. Sõltuvalt kasutatavast softist saate standardset skreeni muuta või loote selle ise luues aluseks .bmp faili. Valige "applications" mernüüst "plant diagram.



Näiteks selle programmi versiooni kohta puudub standartne lahendus. Loome uue "standard1" rseadme naga parameter setting allgi (copy – paste).

Avage lisamenüü "standard1" alt ja valitakse "properties", mis avab:

Distance: Clas	Standard III 3 bron	
ricture nie.	Localization (1772-1944)	-13-
Definition file:	Standard (1)_3.usp	2

Picture file kohalt saab võtta valmispilte. Nt. Acs/images/standard alt.

A0000000 A0001010 A0001020 A0015016 A001502 A001502	.bmp .bmp Somp Type: Bitmap Image Size: 622 KB	A0015040.bmp A0015050.bmp A0015060.bmp A0017010.bmp A0017020.bmp A0017150.bmp		
File name:	A0001020.bmp		Open	
Files of type:	Bitmap files (*.bmp)	•	Cancel	

Kui kasutate litsentsi ja donglita ACS700, on vastavad .bmp´d leitavad C > ACS > Images kataloogist otsides ning selle ACS > Images > Custom teeki kopeerides ja sealt valides. Visualiseerimise saab aktiveerida "edit" reziimist paremal pool.

Saate ka aluspilti kohendada edit picture menüüs.



' Esitatavad parameetrid valitakse Edit modeś valides "new - datapint".

K No data poin	t selected >	
X-position [Pixel]:	170	.
Y-position [Pixel]:	388	•
Font set:	MS Sans Serif, Standard, 9	
Colour:		
Margin:		
Alignement:		
Background colour:		
Size automatic:		
Width [Pixel]:	33	•
Height [Pixel]:	20	-
21 1/10 200300		

Valiga parameeter, "select"ja kujundage see. OK kuvab valitu ekraanile. Saate muuta asukohta ning "properties" kaudu minna esitluse muutmisele. Tegelik näit ilmub alles pärast "edit" reziimist väljumist ja regulaatori ühendatud olles. Saate valida ka lisatavaid tekste ning linke teistele visualiseerimistele mis on antud "plant" võrgus.



6 6 6 7 7 8 6 6		
Standard (1)		
Folder list > - Pig Koulutus - Bin Area 0 - Bin Line 2 - Bin Line 2	TK2-Ruokala	15. June'ta '2005 09:59
	Lāmmītys asetusarvo, mukavuuskāytto 21.0°C Jāāhdytys asetusarvo, mukavuuskāytto 24.0°C	
l Press F1 for Online Help.		

Tegelikul kasutamisel tasub kontrollida, kas regulaator on tööreziimis, mitte commissioń is.

On soovitav see olekut näitav info ka ekraanile välja tuua vältimaks asjatut programmeerimist ja dubleerivat allalaadimist.

NB! Kui regulaator on koha peal viidud "commission" reziimi, ei saa te ASC programmi vahendusel seda regulaatorit programmeerida ja seadeid muuta!

NB! Kui soovite muuta vaid seadearve on soovitatav see teha läbi "Popcard"'i sest sel juhul ei m,uudeta muid programmi parameetreid ning muudatus toimub praktiliselt kohe.

Käesolev juhend ei sisalda kõiki võimalusi ja programme, mida sisaldaks komplektne või vastavalt Teie vajadustele koostatud litsentseeritud tarkvara .

Küsimused palun Siemensi volitatud partneritele. Lisatud on ka OZW771 kasutusjuhend inglise keeles. OZI700.1 ei vaja reeglina seadistamist

Lisad:

1. Siemensi poolt kasutatavad andmeside standardid ja kaabeldus

- 2. ACS tarkvara standardkonfiguratsioonid
- 3. OZW771 kasutajajuhend
- 4. OZW771 paigaldusjuhend(inglise keeles)

Ehitusautomaatika (Landis&Staefa Division, SBT) AS Siemens Pärnu mnt 139C 11317 Tallinn Tel 6305727 Mob 517 9898 Fax 6304778 mailto: <u>aivar.kukk@siemens.com</u> http://www.siemens.ee/automaatika

Lisa 1 Siemensi poolt kasutatavad standardid Status of Standardization in Europe (CEN TC 247)



Communication objects prENV 13154-1

Arvuti ühendamiseks (serial) QZW seadmega vajate standardset kaablit, kui arvutis puudub vaba port, siis ka nt. USB adapterit



Both types of cable can be used.

Programmi valik ja litsentsid, valmispaketid.

Applikatsioon, ACS7XX	700	712	713	715	741	785	Kirjeldus
Plant diagram							Visu ja distantsjuhtimine
Visualiseerimine							
 Standard, valmiskujul 	-	-			-		Tüüpsed visud valmiskujul
- Teie koostatuna							Teie koostatud graafika, Andmeesitus ja lingid
							vastavalt Teie valikule. Valmisgraafika valik ka
							ACS700 "standard" .bmp´na.
Popcard							Visu ja juhtimine valitud andmetele
- Standard							Eelnevalt valitud, valmisspetsifikatsioon
Teie koostatuna							Pages and data points as defined by the user
Trend							
- Online	-	-	-		-		Kui seade on ühendatud
- Offline	-				-		Ka läbi puhvri
File transfer	-	-					Näit. arvestite näidufailid
Parameter							Kõik regulaatori parameetrid on nähtavad ja
settings							muudetavad (operatiivsem on kasutada popcard'i)
Commissioning report	-	-			-		Seadistuspotokoll. ACS700 juures asendab seda
							"plant report
Plant navigation							
- Device view		-			-		Vastavalt tegelikele seadmetele
- Plant view	-	-			-		Vastavalt programmile
Ühendused							Tüüp
- Otse/Directly							Standard null modem cable or standard USB cable
							(connector type A to B)
- Modem							Via telephone modems
Vajab DONGL'it							

Keskse sidemooduli kaudu

Function	OCI700	OZW771	OZW775	OCI600	OCI611	OZW10	OZW111	OC169
Plant diagram								
Popcard								
Trend								
- Online								
- Offline								
File transfer								
Parameter settings								
Plant navigation								
Connections								
- Directly	2)	□ 1)	□ 1)	□ 1)	□ 1)	□ 1)	□ 1)	□ 1)
- Modem								

1) With standard null modem With standard USB cable (connector type A to B)

Limiidid (lisa on juurde tellitav)

	ACS700	ACS712	ACS713	AC	S715	ACS741	ACS785		
Batchjob software	(200)	-	-	200	200 - 3900				
Seadme tüüp	•				Devic	e-specific c	redit		
OCI600, OCI611, OZW	/10, OZW11 ⁻	1, OZW771			10				
OCI69, OCI700, WTX16, WTT16, KNX line coupler 0									
Synco RMU7, RMH7, RLU2									
Synco RXB *					2				
Synco QAW740					1				
SIGMAGYR RVL,	RVP, RVD				8				
SONOGYR , SONOH	EAT				3				
MEGATRON2 , VOLU	JTRON2				2				
MEMOTRON , AEW	(per input),	PadpulsM1			1				
Third-party devices wit	h own device	e description			8				
Unknown devices with	out own devi	ce descriptio	n		8				

Lisa 3

ACS Lühijuhend sidemooduli OZW771 kasutamiseks telefonivõrgus.

1. Üldist

Lühiinstruktsioon OZW771.XX kasutamiseks. OZW. Lõpus olev n umber näitab Synco seadmete arvu, mis on ühendatavad. NB! Ka OZW loetakse seadmeks!

2. Alustamine

Looge uus "plant", seade, vt ACS üldjuhendist. Ensiksi täytyy luoda uusi laitos jotta saadaan tiedonsiirto käyntiin.Tämän tarvitsee tehdä



vain kerran jos aina käytetään samanlaista yhteydenotto tapaa (OZW771 keskus). NB! Ärge unustage GSM modemi SIM kaardilt maha võtta PIN'I kontrolli.

Rouldcus, p	1 Y		
New plant.	.plx		
New plant	_rmu.plx		
File name:	Esimerkki_laitos		Save

2.1 Uus seade – New plant

Salvestage seade Teile sobiva nimega.

 < undefined > OCI600	
0CI611 0CI69	
0CI700 - KNX	
0ZW10	
02w771	
	hs

Cada washing	01	
Lode humber.	In	
Connection:	COM1	<u>.</u>
Phone no. plant:	Ţ	
📕 Fietum call		
Switch box type:	< undefined >	
Switch box port:		•

Valige andmesideks OZW771.

Kinnitage valik Finish`il klikiga, mille järel programm küsib: Refresh device list? Vastake Yes **2.2 "Parameter settings".**

Ühendage OZW KNX võrku ja käivitage. Vt ka lisast 5 OZW installatsiooni juhendit (inglisekeelne).



Valige "Applications" menüüst "parameter settings".

Avage kataloog vasemalt kuni tasemeni Device, s.o OZW.XX. Seadme nn "standard" parameeetrid kopeerige vastava seadme standardi juurde. Abimenüü avaneb hiire parema klahviga.



Kopeeritud parameetrid on nimega "standard1" mis on muudetav "properties" alt.



Sidemoodulöist saab laadida kõik parameetrid "upload" käsuga või tagasi laadida muudetud parameetrid käsuga "download". Laaditava seadme param. Set tuleb ära märkida vastava ruudu klikiga (läheb tumedaks).

Parameetrid on salvestatavad "Export to" käsuga, mis loob .exp folderi valiotud seadme andmetega.

Kui soovite regulaatoris olevad andmed. Kasutage "import from" käsuga mille järel laadige see



seadmesse "download" käsuga.

Vaskul näete, milline parameetri seade seade on avatud. Näites on selleks "central communication unit", s.o OZW, mille parameetrid on esil paremal pool. Kirjutage vastavatesse lahtritesse seadme nimi ja telefoninumber.

ACS Service - [Parameter settings]					
By Plant Edit Wew Applications Tools Wit	ndevi itelp				
- G G T = 1 & 6 +	- 1	X S' ?			
Central comm unit					
Folder list	×	N. / Line no.	Address	Dista point	Volue
General 202W771 General 202W771 10_V1 General 202W771 10_V1	n o per		021 021 021 021	Language Plant neme Phone number plant Eode	Engleh

MASSource Promitic scripp Applier Ed. Ven Aplicators Toda Vindov III (1) ↓ ▼ ↓ Ne E. 4 → (++e 3 (11))	(a) 9				
Konnex						
Folder let	X N	/ Lisena	Addess	Dista para	Var	Lint
Sysco (224771 Sysco (224771 Sysco (224771 Good 2(024771.10 (/1.1) Good 1(024771.04 /1.1) Sysco (224771.04 /1.1) Sysco (224771.0	202	1 2	821 821	Elock time operation Remote refing clack slove	Slave Vec	

Konnex menüüsse kirjutage kella – ajakava kasutusviis.

Second Second						
i i i i i i i i i i i i i i i i i i i	X 8.	Line so	Addets	Data pare	Volan	1 UN
THE SWOOLGEWITH	Ø	i.	023	Matters labe	Anatop	
- 🗍 HI ARO	2	2	0,01	Blaud table P/8-232	15.2 (6)	
世 日期 Lie 2		1	023	Relaticonnext	ATZ'M	
12 🖸 🐖 Genal 2 (0 2 w 772, 1 0) (1, 1)	2	- ÷ .	10(2)1	initialization contential	ATEOMORISE TROOM	
□	8	6	0.21	Eximitiano coering connection	4101	
= Pile Sandari	2	6	0.2,7	Eine and dooten cannetten		
8 - 12 Connictioning	12	T.	024	Compared douver:	54	

5

Modem 1 menüüsse kirjutage modemi tyyppi (GSM), muud seaded võivad jääda muutmata. Message receiver menüüs kirjutage "receiver type" -> SMS GSM ja "phone number

Mossage receiver x N Lateral Addees Dataport Value Following x 1 121 Modee macroge repetition 1 Following x x x No 1 1 Following x x x No 1 1 1 Following x x x 1					1 2	m >	2 3 3 T T T T S S & + B T
Koldenikt K N. / Lancrat Addess Diskport Value = 0.55 Syncs,02V771 1 1.23 Modern microage interval 2 = 0.56 Area0 2 1.23 Modern microage interval 2 = 0.56 Area0 2 1.23 Modern microage interval 1 = 0.56 Area0 2 1.23 Modern microage interval 1 = 0.56 Area0 2 1.23 Modern microage interval 1 = 0.56 Area0 2 1.23 Modern microage interval 1 = 0.56 Area0 2 1.21 Receiver 100 1 = 0.56 Standad 8 1.21 Prime number provider 1 = 0.56 Standad 8 1.21 Prime number provider 1 = 0.56 Standad 8 1.21 Prime number provider 1 = 0.56 Standad(1) 9 8 1.23 Receiver 100 1 = 0.56 Standad(1) 9 8 1.21 Prime number provider 1 =						une :	Aessage receiver
Image Spress Control Image Spress Control Cont	1006	You	Ostapovi	Addess	2 Liters	XN	Me la X
Image: spectral spectra spectra spectral spectral spectral spectral spectral spectral sp	tin .	2	Modon merzuge internal	121	1		1 3mo 02V71
Image Image <th< td=""><td></td><td>1</td><td>Hoden michage separation</td><td>124</td><td>2</td><td></td><td>E 1 4160</td></th<>		1	Hoden michage separation	124	2		E 1 4160
Image Several 2(02/V7111/L/10) Image 1 million			Vierzege screiver 1		3	-	iii 🖂 🛄 Line 2
Beach ((02W71.0 (_V1.0)) S 121 Phone number provide Standad S 121 Phone number provide S 12 S 1		1M1 ESV	Receive type	121	+		∃ □ ☐ 5aa t(t2w71.11_V1.0]
Image Standad Image Standad			Phone number provider	121	6	2	E Bail (02W71.0(_V1.0)
Image (Low/11.0)/10 T Mexage receive 2 Image (Low/11.0)/10 Image (Low/11.0)/10 Image (Low/11.0)/10 Image (Low/11.0)/10			Phane number receiver	121	6		H DR Standard
EVEN Standard(1) E 8 121 Receive type SMS 55M E Connectement 9 3 121 Phote nucleon powde E Connectement 9 3 121 Phote nucleon powde E 0 Connectement 9 10 123 Phote nucleon stative			Message receiver 2		T		# Des uzv/nut_nut
Consistence and S 121 Phone number provide D Construction D 10 121 Phone number provide		EMS DSN	Receive type	123	.0	2	Hole Stander(1)
E Deservición De 10 121 Pieze number stative			Phone number provider	121	3		E ME Contraring
Carl 🔁 🔚 Carl devi Krister			Phone number receiver	121	10	2	
D B Davie bt							Date of the second

provider" mis pn vastava võrgu GSM kõneedastuskeskuse number ja "phone number receiver" mis on taas koha peal olevan telefonikaarti number.. Kirjutage ka kordushelistamiste arv.

EMT GSM tekstikeskuse number (Short Message Service Centre) +**3725099000** .Elisa: +**372** 56100020

Tele2: +372 5509911

MACS Service - [Paremeter settings]					
a Flant Edit View Applications Tools Window	ttelp:				
	(B) (B)	XIII			
E-WAS					
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Fault input (iseseisvad veateate sisendid) 1 ja 2 jõuavad OZW sidekeskusse ilma KNX bus I vahenduseta. Tekstid saab ise kirjutada.

Message receiver: Sinna tulevad andmed, selle kohta mida OZW771 tuleb käituma häiresignaali saades.

Konnex: bus 'ist tulevad kõik häireteated sellistena nagu nad on regulaatorites nimetatud ning prioriseeritud.

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Lõpuks salvesta tehtud muudatused ACS programmist OZW-sse samal viisil nagu RMUdessegi. Salvestatava valik tuleb ära märkida. Märkus: OZW775 pakub märksa enam võimalusi andmesideks ja juhtimiseks. Lisainfo Siemensist



Juhtimine ja side ozw775 - 6 erinevat sidet

Lisa 4 Paigaldusjuhend

OZW771...

en English

Installation

Place of installation

- In a dry room
- Mounting choices:
 - In a compact station
 - In a control panel (front, inner wall, or on a wall mounting rail)
 - On a control panel front
- In the sloping front of a control desk
- Permissible ambient temperature: 0...50 ℃
- · Ensure that the unit is easily accessible for service staff

Electrical installation

- Ensure that the local regulations for electrical installations are complied with
- Electrical isolation of the central communication unit from AC 230 V mains supply must be ensured by a labeled and easily accessible fuse with a release current of 10 / 16 A
- Only devices with potential-free contact outputs may be connected to the fault inputs
- Permissible cable lengths:
 - Konnex bus: Refer to the following pieces of documentation:
 Data Sheet N3127, Konnex bus
 Basic Documentation P3127, System engineering
 - RS-232: Maximum 15 m

Mounting

The central communication unit can be mounted in any position. Mounting choices are as follows:

Wall mounting

- 1. Hold unit against the wall and mark fixing holes.
- 2. Drill holes in the wall.
- 3. Screw unit to the wall.

Refer to Figure 1 on page 28

Notes on wall mounting:

For wall mounting with screws, there are 4 fixing holes available.

The base has raised mounting surfaces. Screws: Maximum diameter 3.5 mm

74 319 0389 0 a G3117xx

Mounting on a wall mounting rail

- 1. Fit the rail.
- 2. Mount unit on the rail.
- 3. If required, secure unit (depending on the type of mounting rail).

Refer to Figure 2 on page 28

Note on rail mounting:

The base has a snap-on facility for wall mounting rails (type EN 50 022-35 \times 7.5) and can be removed with a screwdriver.

Wiring



1. Permitted per terminal are solid wires or stranded wires (twisted or with ferrules)

- stranded wires (twisted or with ferrules
- 1 core: 0.5 mm²...2.5 mm²
 2 cores: 0.5 mm²...1.5 mm²
- 2 cores: 0.5 mm ... 1.5 m
 3 cores: not permitted
- 3 cores: not permitted
- Terminal 15 may not be used

Refer to Figure 3 on page 28

2. Wire up the connection terminals:

Top: Low-voltage

Bottom: Mains voltage

Refer to **Connection diagram** on page 28

- N1 Central communication unit OZW771...
- N2 Konnex device (maximum number of devices depends on the type of OZW771...)
- P1,P2 Devices with potential-free contact output for signaling faults

3. Strain relief for the cables connected to

terminals N and L (AC 230 V) is

mandatory:

Refer to Figure 4 on page 28

4. Secure cables to the base of the unit with the help of cable ties.

Terminal covers



- If there is no protection against electric shock hazard (e.g. in heating rooms, false ceilings or false floors):
 Always use terminal covers
- Single-insulated cables connected to terminals N and L (AC 230 V) must be used with insulating sheathing:

Refer to Figure **5** on page 28

• Make certain that the terminal cover on the mains voltage side is secured with the 2 cable ties provided:

Refer to Figure 6 on page 28

 If protection against electric shock hazard is ensured (e.g. in control panels or cabinets), mounting without terminal covers is permitted

Handling and operation

Refer to Figure 7 on page 28

- RS-232 selector S1: "Modem" / "PC"
- Signal selector S2 "Alarm": "on" / "off" 2 Modem reset button "Reset Modem"
- RS-232 socket "RS-232" 3
- Connection terminals for low-voltage: 4
- Konnex bus "CE-", "CE+"; fault inputs "P1", "M", "P2", "M" Konnex bus button: "Install"
- 5
- 6 LED for programming: "Prog" (red)
- Connection terminals for mains voltage "AC 230 V"
- LED for operation "On" (green)
- LED for fault indication "Alarm" (red)

LED for operation

The green LED indicates the operating state of the central communication unit:

- LED lit: Mains voltage present
- LED flashes: Communication via RS-232

The LED is also visible when the terminal cover is fitted.

LED for faults

The red LED next to the mains terminals (bottom) indicates the fault state of the central communication unit:

- LED dark: No fault in the system
- LED lit: 1 or several Synco devices faulty
- LED flashes: Internal fault of the central communication unit or fault at the fault inputs

The LED is also visible when the terminal cover is fitted.

LED for programming

The red LED next to the Konnex bus connection terminals (top) indicates whether the central communication unit is in addressing mode.

- LED dark: Normal mode
- LED lit: Addressing mode

The LED extinguishes automatically after the device address has been adopted with the ETS (EIB tool software).

The LED is also visible when the terminal cover is fitted.

RS-232 selector S1

S1 is used to select whether the central communication unit at RS-232 is connected to a modem (selector position **1**) or directly to a PC (selector position).

Signal selector S2

S2 is used to select whether or not pending faults or system reports shall be delivered to the message receiver (selector position and **I** respectively).

Konnex bus button

An extended press (>6 seconds) starts the search run, which generates the internal device list.

For other choices regarding the creation of the device list, refer to section

"Commissioning", under "Creating the device list".

A short press (<2 seconds) switches between normal and addressing mode to adopt the device address from the ETS.

Modem reset button

The modem reset button reinitializes the modem when pressed for >6 seconds. Then, the central communication unit opens a connection to the parameterized alarm receivers and delivers a system report.

Commissioning

Notes

- Operation with a PC: In the case of direct operation with a PC via RS-232, a standard null modem must always be used between the 2 devices
- · The settings detailed below under "Other settings via the ACS7... plant operating software" can also be made in advance

Preparations

- 1. DO NOT switch on power yet.
- 2. Remove the terminal covers, if fitted.
- 3. Check wiring to ensure it is in agreement with the plant diagram.
- 4. For commissioning, RS-232 selector S1 must be in position 🔲 (direct communication with PC via RS-232).

- 5. For commissioning, signal selector S2 must be in position 🔲 (no delivery of messages via RS-232).
- 6. If required, replace the terminal cover on the mains voltage side.
- 7. Switch on power.

Creating the device list

The following choices are available:

- Press the Konnex bus button for at least 6 seconds.
- Make a search run or parameterize with the ACS7... plant operating software, directly via PC and RS-232
- Make a search run or parameterize with the ACS7... plant operating software, via the OCI700 service interface and the Konnex bus
- Make a search run or parameterize with the ACS7... plant operating software, via modem from the operator station

Notes:

- Creation of the device list with the help of the search run is recommended only if the number of Synco devices do not exceed the maximum number of devices that can be connected to the central communication unit (4, 10 or 64), depending on the type of central communication unit
- Neither the central communication unit nor the OCI700 service interface power the bus. To ensure communication, at least one powering Synco device or one central bus power supply must always be connected to the bus
- By the time the device search run is completed, the green LED for operation has extinguished. Then, it flashes 3 times

Other settings via the ACS7... plant operating software

The following settings must be made with the ACS7... plant operating software, via the RS-232 port or via the OCI700 service interface and the Konnex bus:

- Central communication unit:
 - Language*
 - Plant name*
 - Phone number plant*
 - Code*
- Communication Konnex:
 - Device address
 - Clock time operation*
 - Remote setting clock slave*
- Communication modem:
 - Modem type*
 - Baud rate RS-232*
 - Commands for modem communication*
- Message receiver:
 - Modem message interval*
 - Modem message repetition*
 - Receiver type
 - Phone number provider**
 - Phone number receiver**

- Prefix**
- Hardware settings**
- Display format**
- Faults:
 - Normal position
 - Text fault input*
 - Text for: No fault
 - Text for: FaultFault priority
 - Fault priority
 Massage record
 - Message receiver
 Message triggering
- System report:
- Message receiver
- Signal time
- Message cycle
- Texts*
- Optional
- ** Depending on the type of receiver

Completing commissioning

- If the central communication unit is in addressing mode (LED for programming lit), it must be switched to normal mode.
- 2. To ensure that messages are delivered correctly, signal selector S2 must be set to .
- After commissioning, the connection to the operator station via modem must be checked in order to avoid unnecessary service calls resulting from modem communication problems.
 For that purpose, prior to opening communication, the RS-232 selector S1 must be set to . As soon as the modem is connected to the central communication unit, the modem reset button can be pressed for 6 seconds. The red LED flashes if faults occur while
- 4. Replace the terminal cover on the low-voltage side.

(Final) check on site

1. Is the green LED for operation lit?

communication is opened.

- 2. Are the 2 red LEDs (LED for faults and LED for programming) dark?
- 3. Is the RS-232 selector S1 in position?
- 4. Is the signal selector S2 in position \blacksquare ?

Anschlussschaltplan

Connection diagram







Massbilder

Dimensions



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