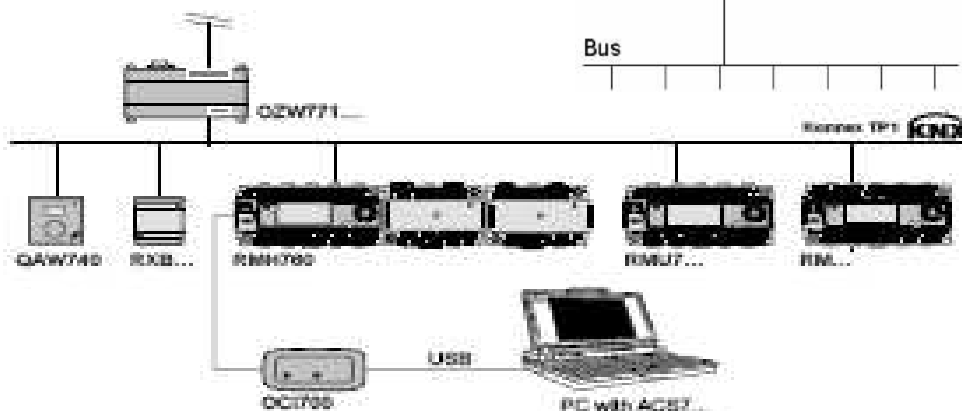
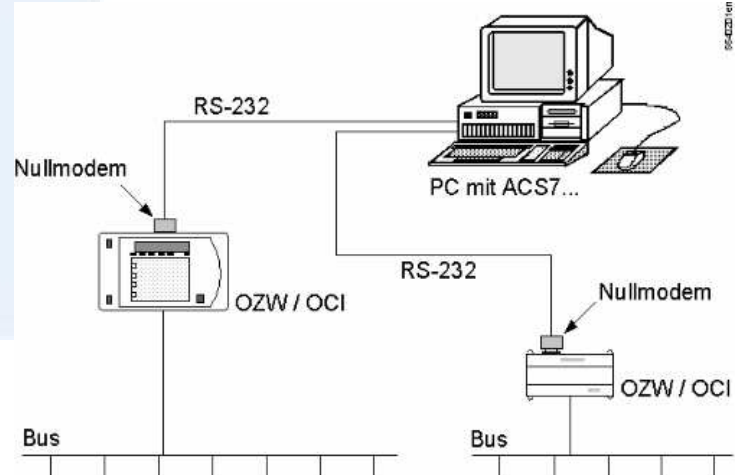


ACS7XX lühike kasutamisyjuhend

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



Märkus: Käesolev juhend on orienteeritud eriti ACS700 (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 parooloole.

ACS service

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

ACS operation

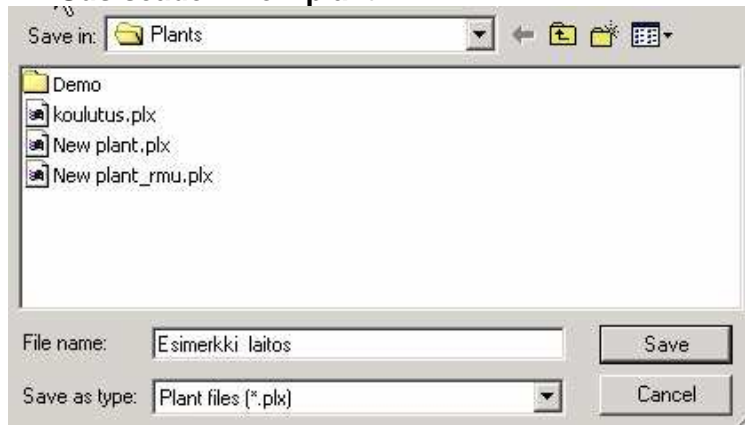
Programmiga saab muuta parameetreid ja muuta seadearve ning soovi korral luua visualiseerimisi (plant diagram).

2. ACS service

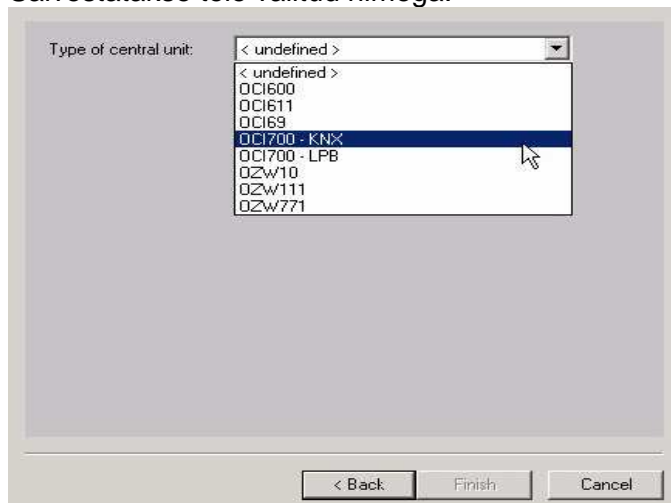
Alustamiseks tuleb luua uus seade (plant).

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 soovitatav luua uus "plant".

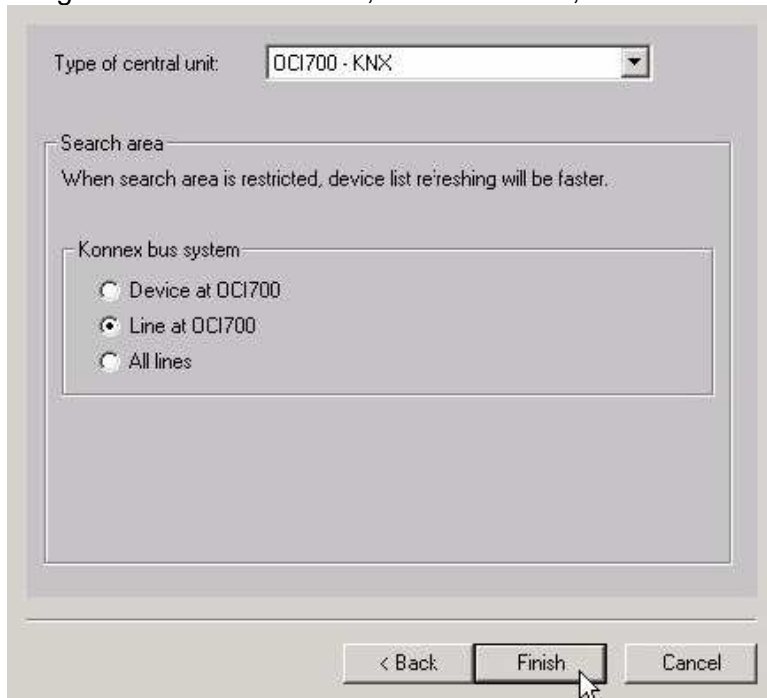
2.1 Uus seade – New plant



Salvestatakse teie valitud nimega.



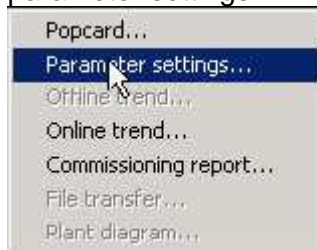
Valige kasutada olev seade, kui on hooldus, siis OCI700-KNX..



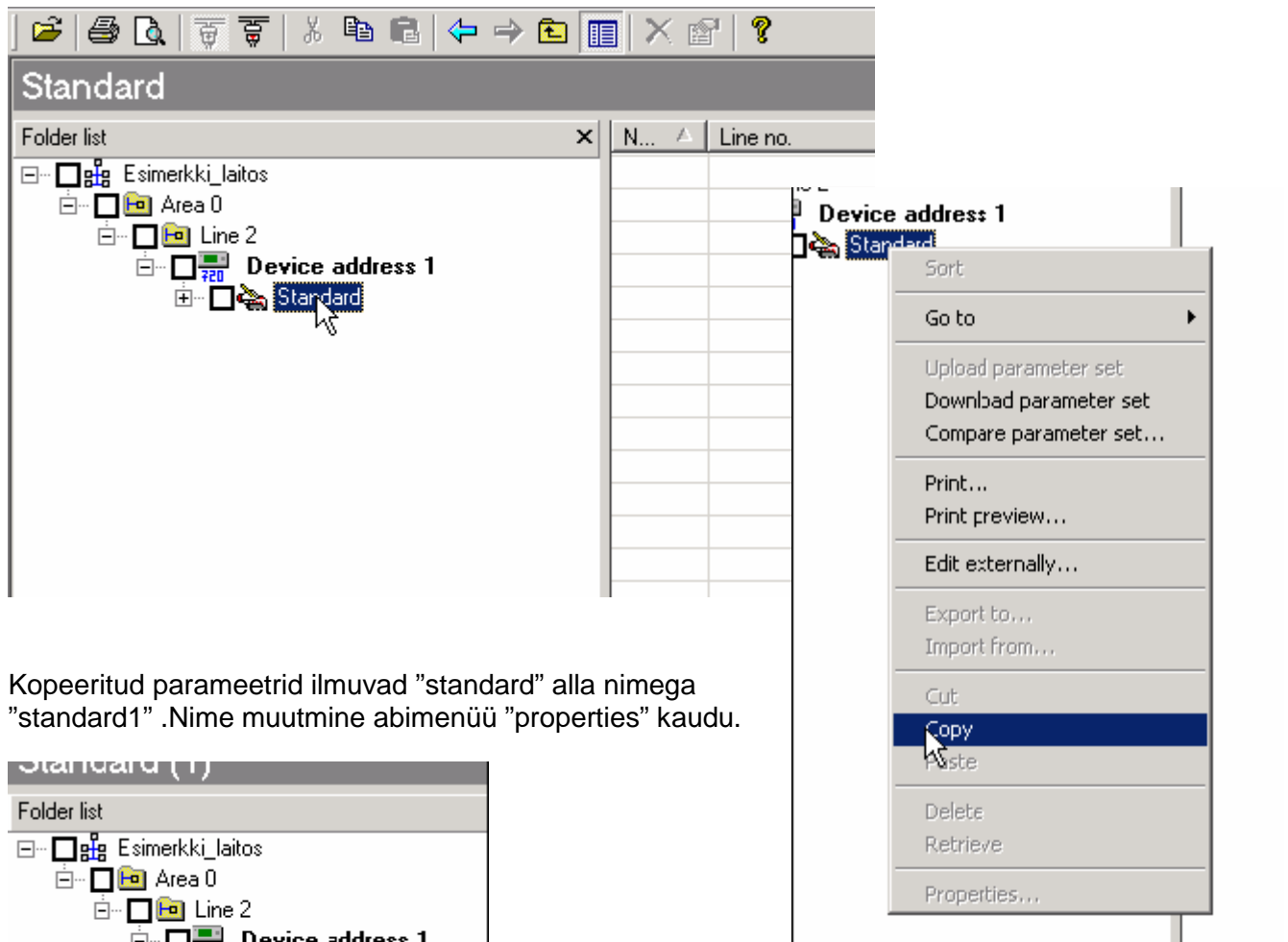
Kui valite "line" siis leitaks üles kõik KNX võrgus olevad seadmed.
Seadme loomine lõpetatakse küsimusega "Finish" mille järel programm küsib:
"Refresh device list?" vastates OK luuakse side ning loetakse kõik regulaatorite andmed.

2.2 Parameetrite muutmine ja salvestamine (Parameter settings).

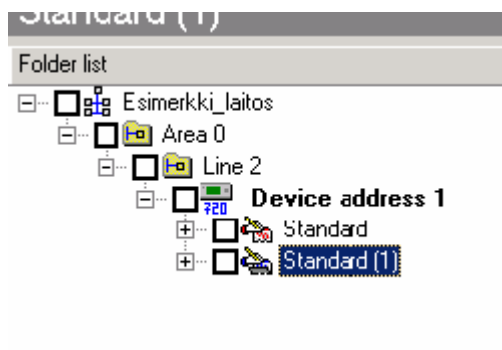
Kui vajalik "plant" (Open menüüst) on avatud ning andmed loetud, valige "Applications" menüüst parameter settings



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



Kopeeritud parameetrid ilmuvad "standard" alla nimega "standard1". Nime muutmine abimenüü "properties" kaudu.



Regulaatorist laetakse parameetrid **"upload"** käsuga PC-sse.

PCst laetakse parameetrid regulaatorisse käsuga **"download"**. Selleks tuleb reeglina sullgeda üleliigsed programmid.

Saate valida mida laadida märkides ära ruudu vastavate parameetrite juures.

- soovitatav on veenduda popcard'ilt "commissioning" menüüst, kas laadimine on lõppenud.

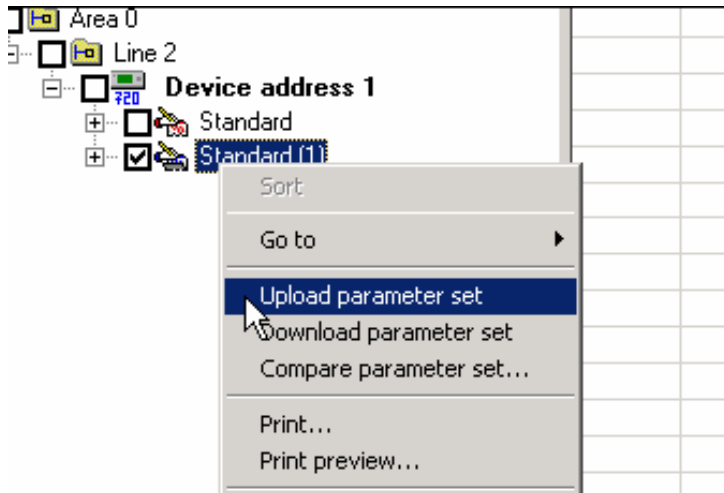
Olek, mis tagab regulaatori töö on "off".

- saate laadida ainult regulaatoreid, mis ei ole koha pealt viidud "commissioning" režiimi.

- 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.

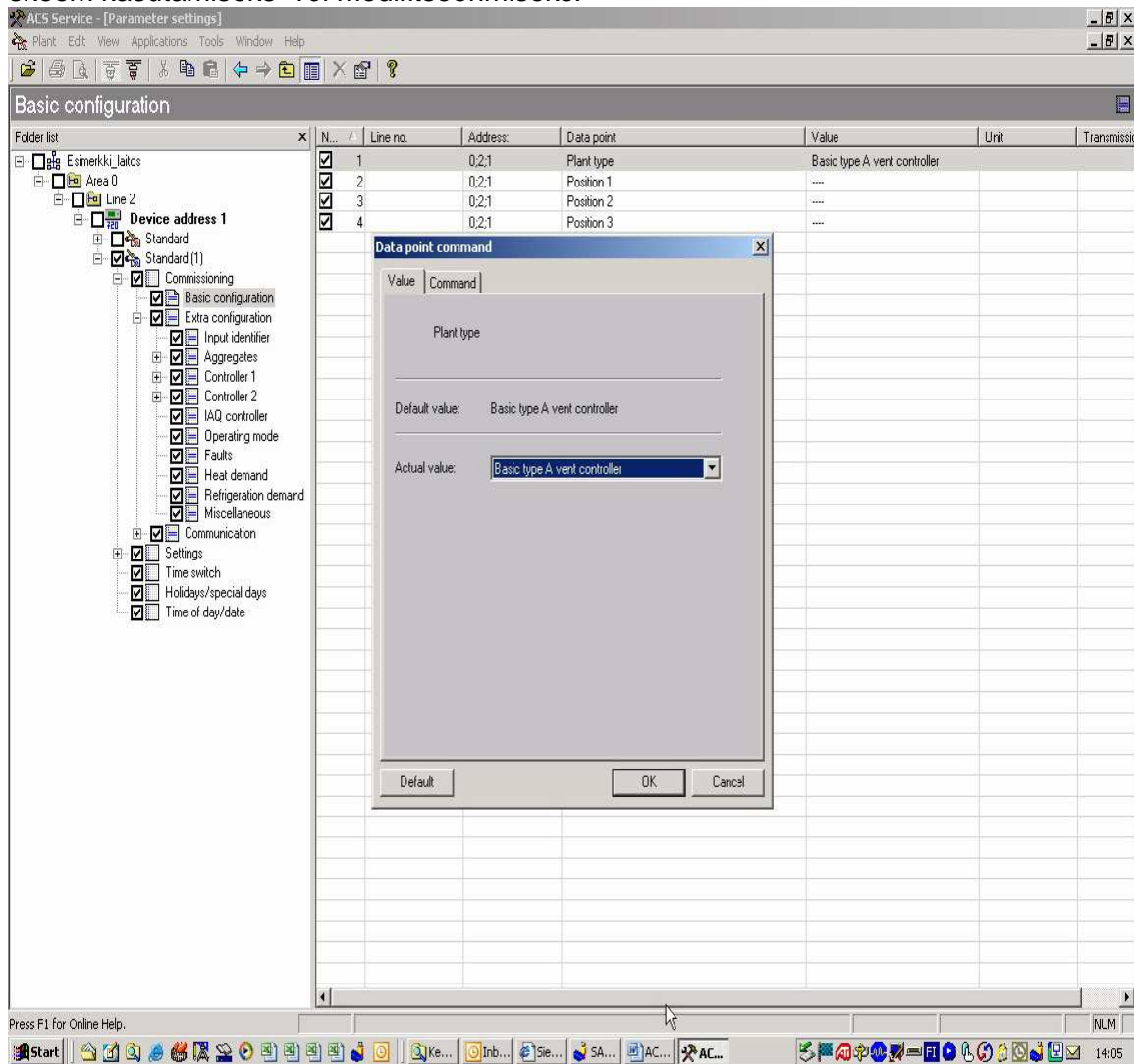
- Regulaatori kell ei taastu kui volukatkestus on olnud üle 15 tunni. Saate sellest veateate kui vool taastub.

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



Avades vastavad read teegis, saate näha ja muuta (topeltklakk) 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.

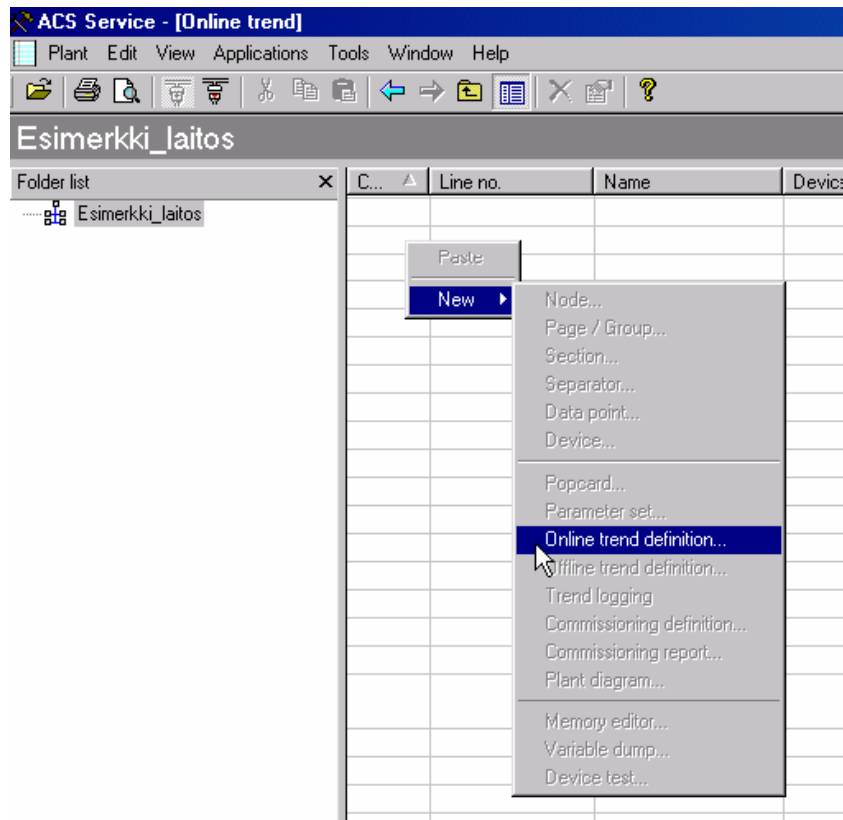
Menüüde sõõride tähendused:

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

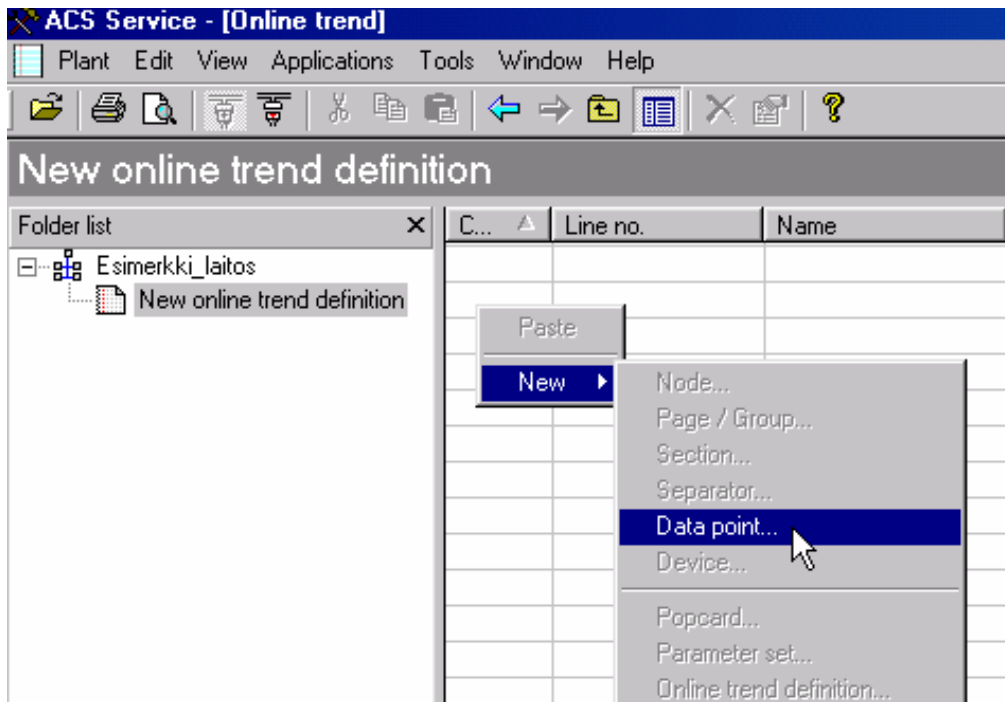
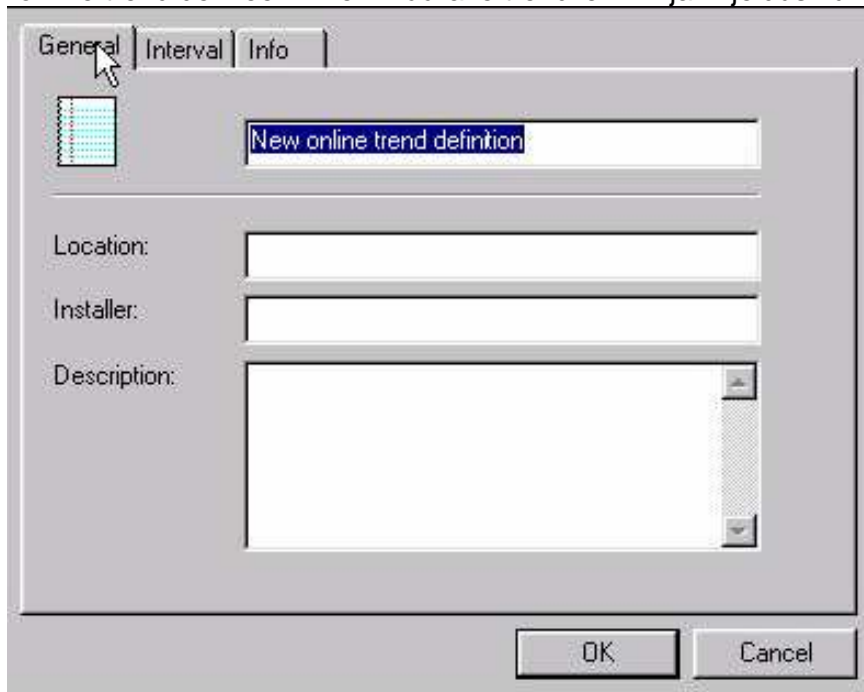
2.4 Trend (KASUTAMINE SÕLTUB SOFTIST, Millist softi OMATE)

Online trend laseb ajas jälgida kõiki parameetreid.

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



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.



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

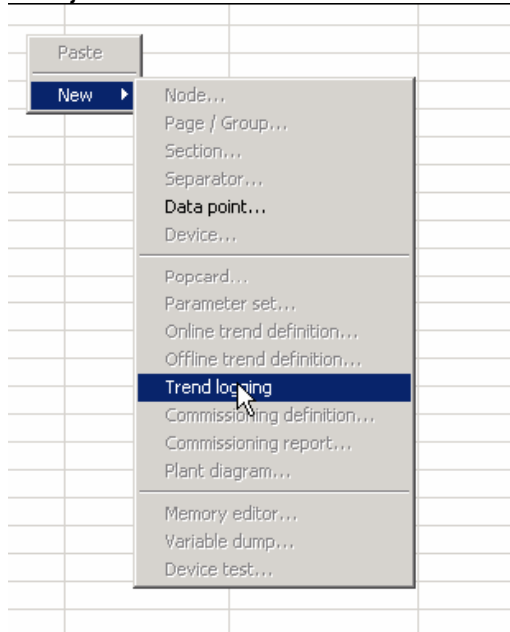
Inputs

Folder Items	N...	Line no.	Address:	Data point	Unit
Synco_RMU720	○	1	0,2,1	N.X1	°C
Area 0	○	2	0,2,1	N.X2	°C
Line 2	○	3	0,2,1	N.X3	°C
Device address 1	○	4	0,2,1	N.X4	°C
Commissioning	○	5	0,2,1	N.X5	°C
Room operating mode	○	6	0,2,1	N.X6	°C
Plant operation	○	7	0,2,1	N.X7	°C
Inputs	○	8	0,2,1	N.X8	°C
Controller 1	○	21	0,2,1	[Room temperature 1] bus	°C
Controller 2	○	22	0,2,1	[Room temperature 2] bus	°C
Time of day/date	○	23	0,2,1	Actual value room temp	°C
Settings	○	25	0,2,1	Actual value outside temp	°C
Device information	○	26	0,2,1	Outside temperature simulation	°C
Gerät 1 [RMU720_V1.02]	●				
Gerät 2 [RMU720_V1.04]					

Add Exit

Avaneb "data point selection" aken, kust valida parameeter, kinnitada valik "Add" –iga. Kui kõik vajalikud parameetrid on valitud välju "Exit" –iga.

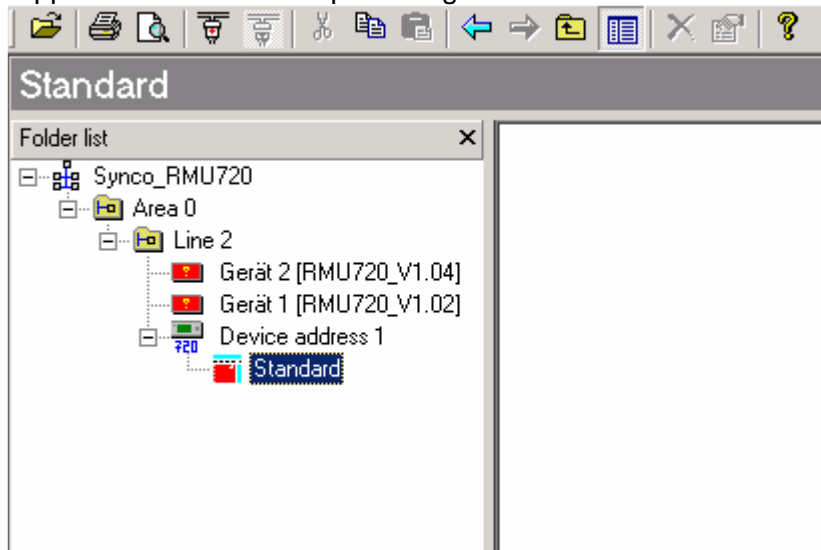
Serejärel käivita trend menüüst "new - trend logging"



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

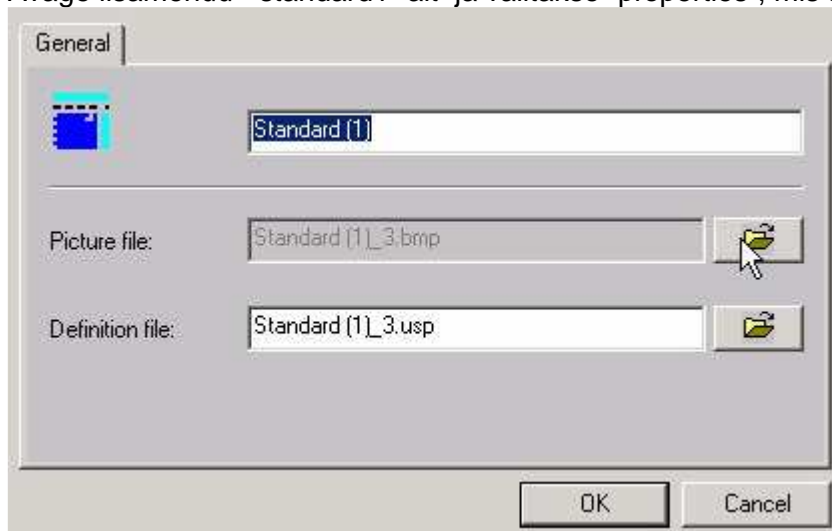
2.5 Visualiseerimine

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".

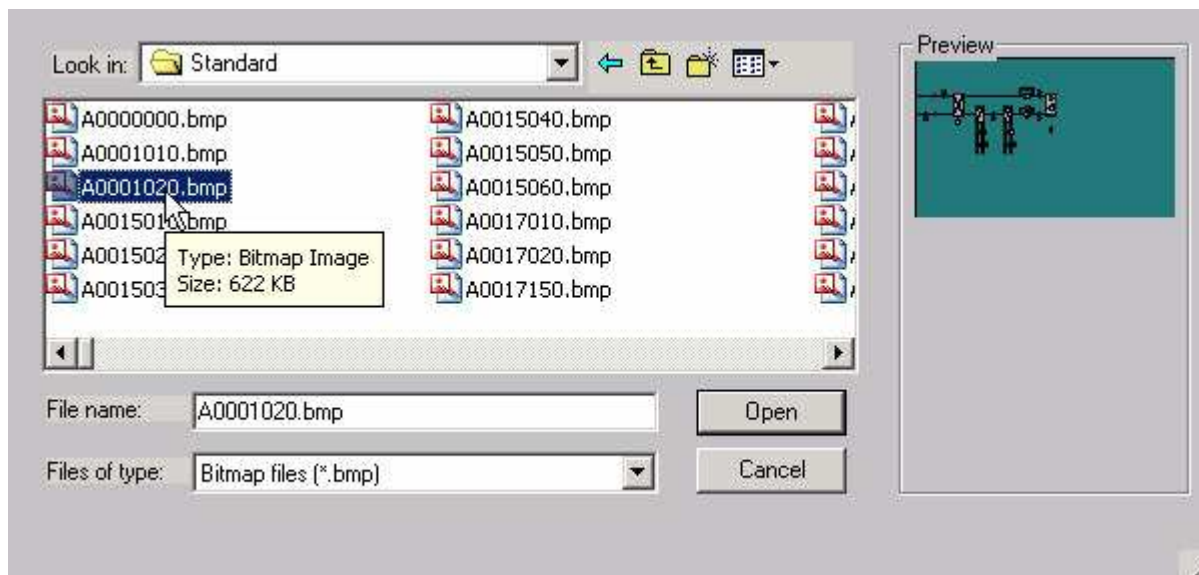


Näiteks selle programmi versiooni kohta puudub standartne lahendus. Loo uue "standard1" rseadme naga parameter setting allgi (copy – paste).

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

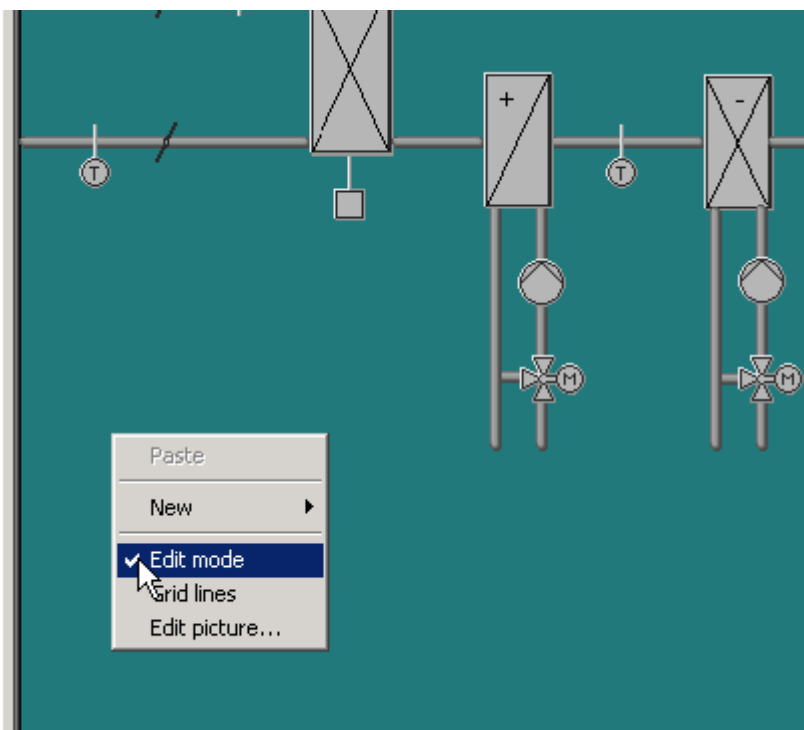


Picture file kohalt saab võtta valmispilte. Nt. Acs/images/standard alt.

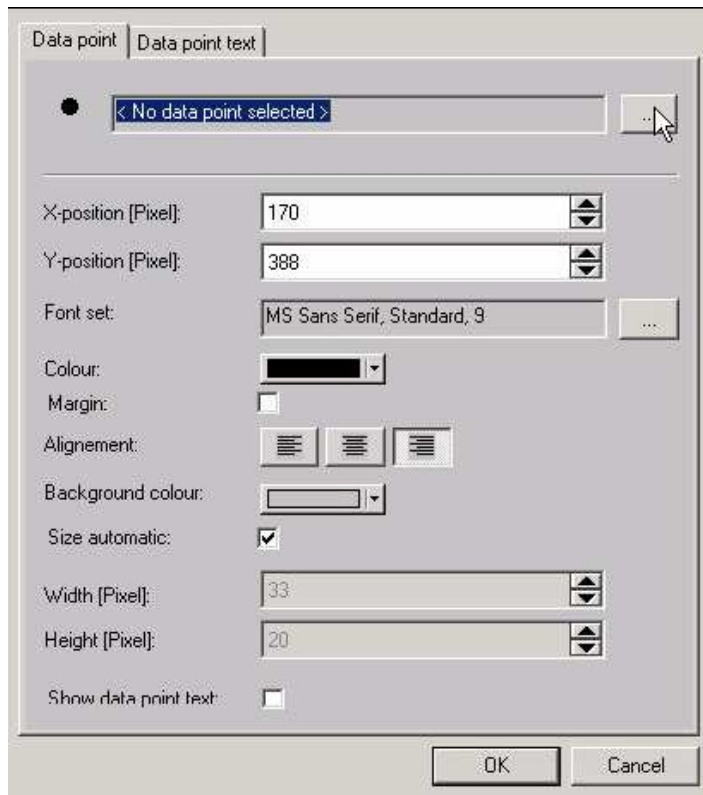


Kui kasutate litsentsi ja donglita ACS700, on vastavad .bmp´d leitavad C > ACS > Images kataloogist otsides ning selle ACS > Images > Custom teeki kopeerides ja sealt valides. Visualiseerimise saab aktiveerida "edit" režiimist paremal pool.

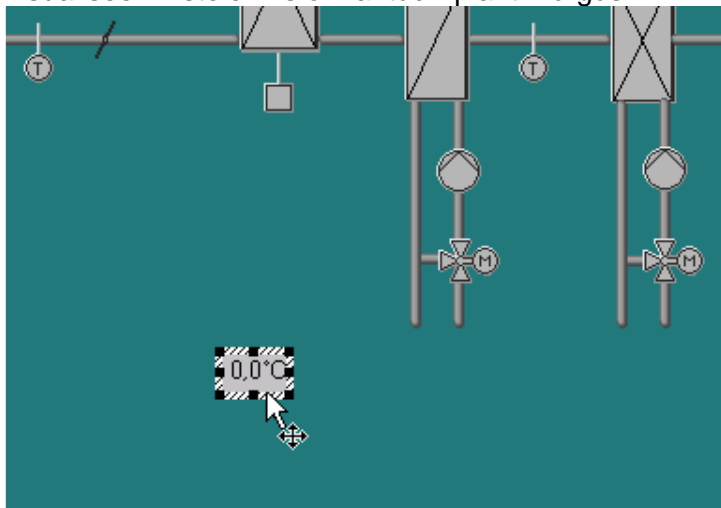
Saate ka aluspilti kohendada edit picture menüüs.

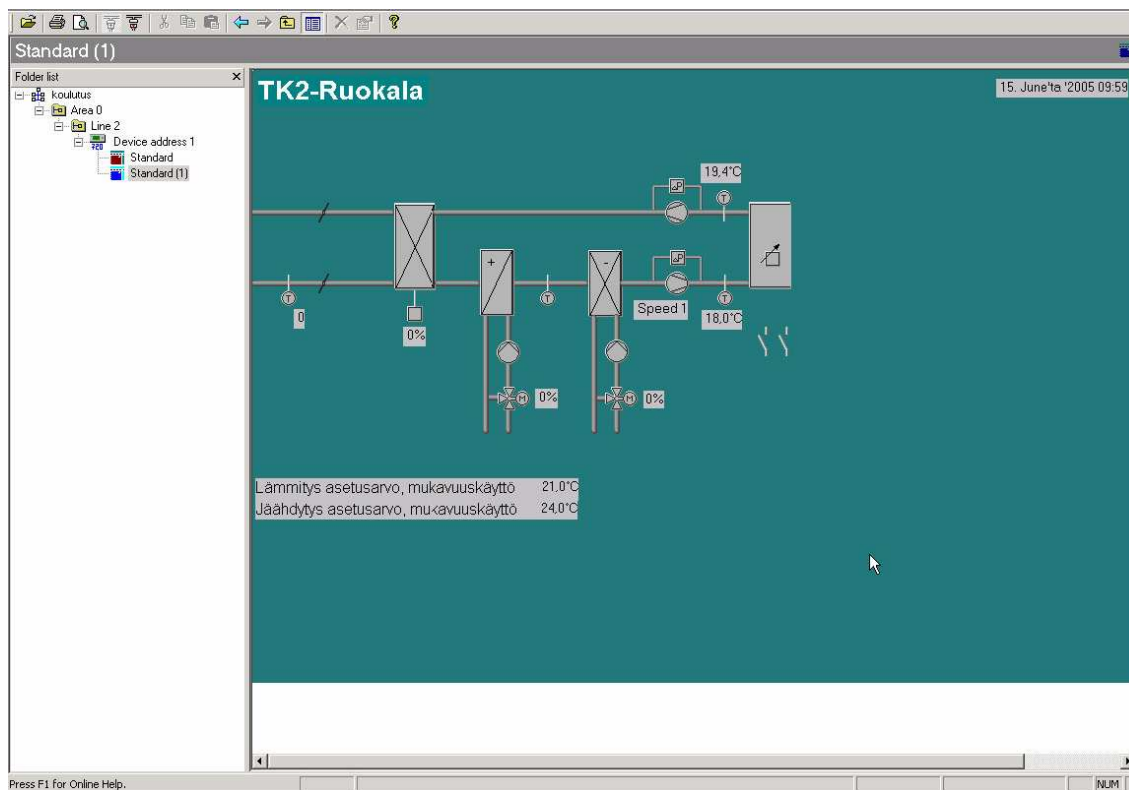


’ Esitatavad parameetrid valitakse Edit modes valides "new - datapint".



Valige 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.





Tegelikul kasutamisel tasub kontrollida, kas regulaator on töörežiimis, mitte commission'is.

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

NB! Kui regulaator on koha peal viidud "commission" režiimi, 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 muudeta 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

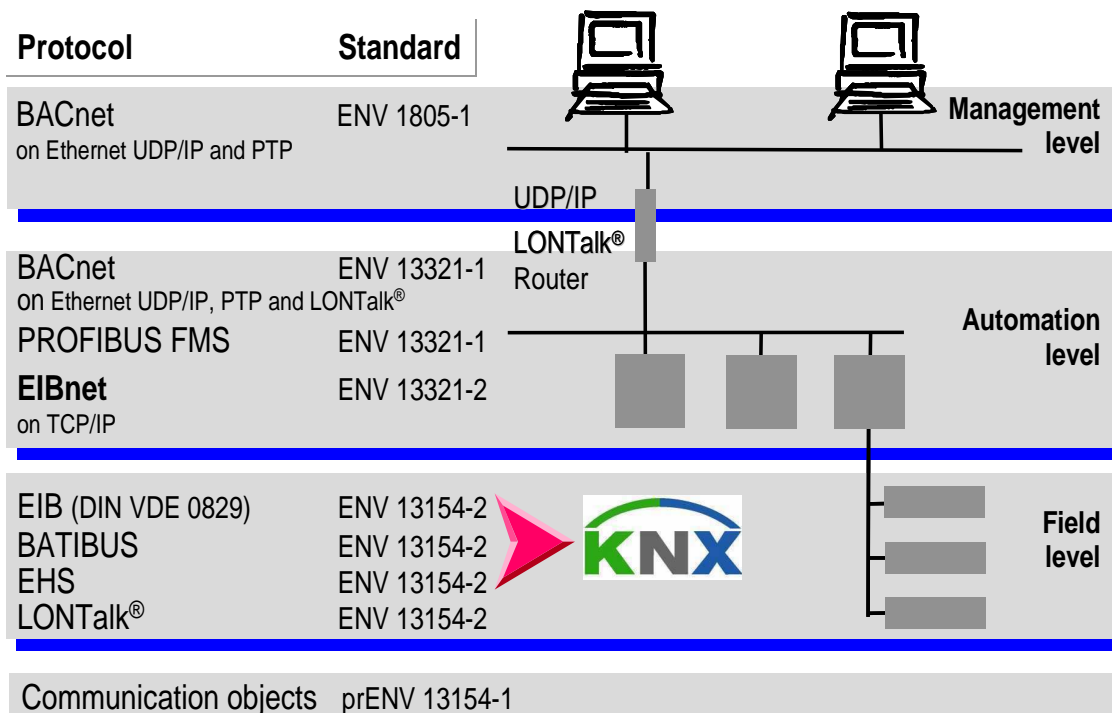
Fax 6304778

mailto: aivar.kukk@siemens.com

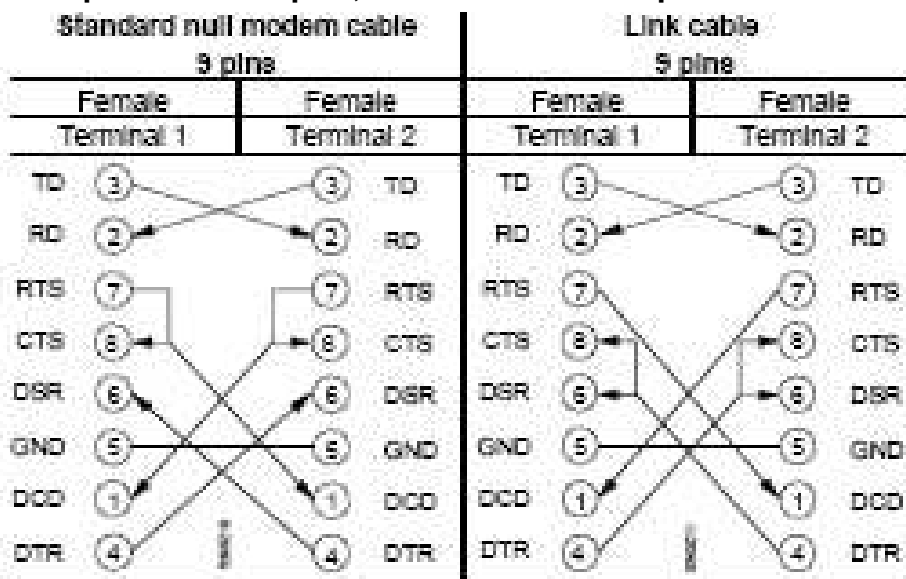
<http://www.siemens.ee/automaatika>

Lisa 1

Siemsi poolt kasutatavad standardid Status of Standardization in Europe (CEN TC 247)



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.

Lisa 2

Programmi valik ja litsentsid, valmispaketid.

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

Keskse sidemooduli kaudu

Function	OCI700	OZW771	OZW775	OCI600	OCI611	OZW10	OZW111	OCI69
Plant diagram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Popcard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trend			<input type="checkbox"/>					
- Online	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Offline			<input type="checkbox"/>	<input type="checkbox"/>				
File transfer			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		
Parameter settings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plant navigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Connections								
- Directly	<input type="checkbox"/> 2)	<input type="checkbox"/> 1)	<input type="checkbox"/> 1)	<input type="checkbox"/> 1)	<input type="checkbox"/> 1)	<input type="checkbox"/> 1)	<input type="checkbox"/> 1)	<input type="checkbox"/> 1)
- Modem		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Limiidid (lisa on juurde tellitav)

	ACS700	ACS712	ACS713	ACS715	ACS741	ACS785
Batchjob software	(200)	-	-	200	-	3900
Seadme tüüp						Device-specific credit
OCI600, OCI611, OZW10, OZW111, OZW771						10
OCI69, OCI700, WTX16, WTT16, KNX line coupler						0
Synco <input type="checkbox"/> RMU7..., RMH7..., RLU2...						8
Synco <input type="checkbox"/> RXB...*						2
Synco <input type="checkbox"/> QAW740						1
SIGMAGYR <input type="checkbox"/> RVL..., RVP..., RVD...						8
SONOGRYR <input type="checkbox"/> , SONOHEAT <input type="checkbox"/>						3
MEGATRON2 <input type="checkbox"/> , VOLUTRON2 <input type="checkbox"/>						2
MEMOTRON <input type="checkbox"/> , AEW... (per input), PadpulsM1						1
Third-party devices with own device description						8
Unknown devices without own device description						8

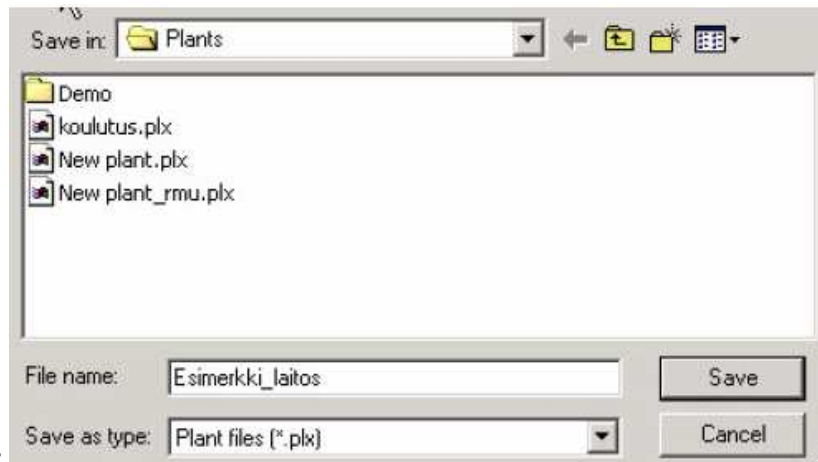
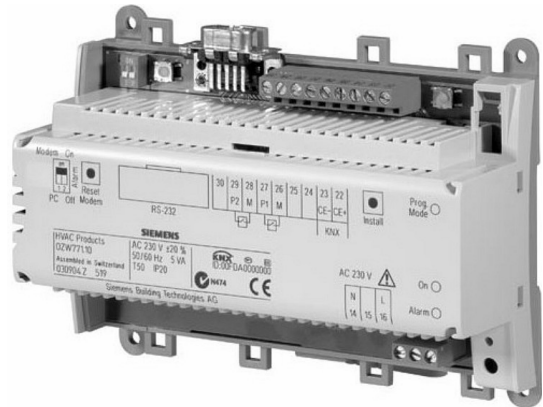
ACS Lühijuhend sidemooduli OZW771 kasutamiseks telefonivõrgus.

1. Üldist

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

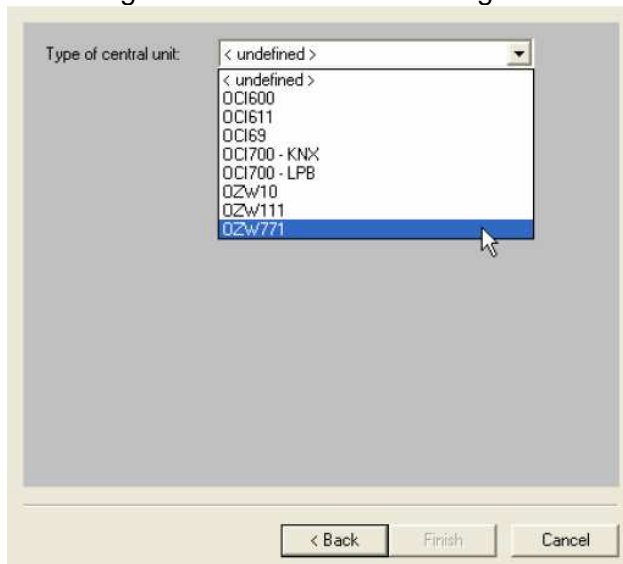
2. Alustamine

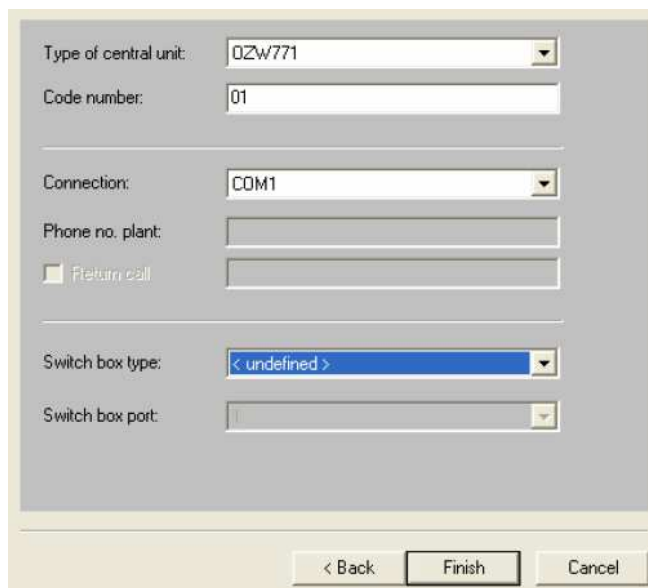
Looge uus "plant", seade, vt ACS üldjuhendist. Ensiksi täytyy luoda uusi laitos jotta saadaan tiedonsiirto käyntiin. Tämän tarvitsee tehdä vain kerran jos aina käytetään samanlaista yhteydenotto tapaa (OZW771 keskus). **NB! Ärge unustage GSM modemi SIM kaardilt maha võtta PIN'i kontrolli.**



2.1 Uus seade – New plant

Salvestage seade Teile sobiva nimega.



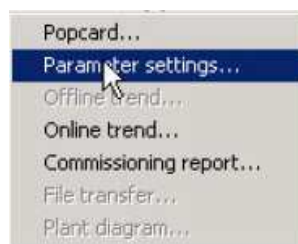


Valige andmesideks OZW771.

Kinnitage valik Finish`il klikiga, mille järel programm küsib: Refresh device list? Vastake Yes

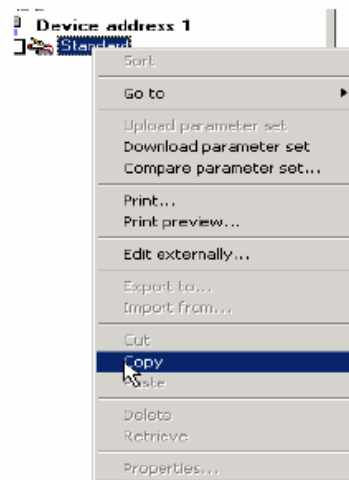
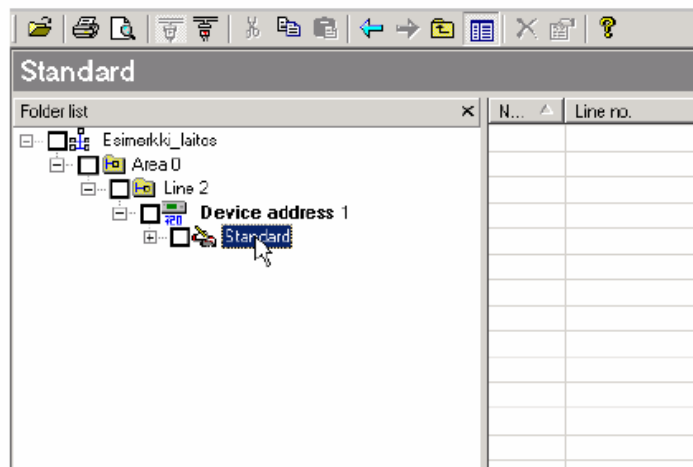
2.2 “Parameter settings”.

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” parameetrid 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 valitud seadme andmetega.

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

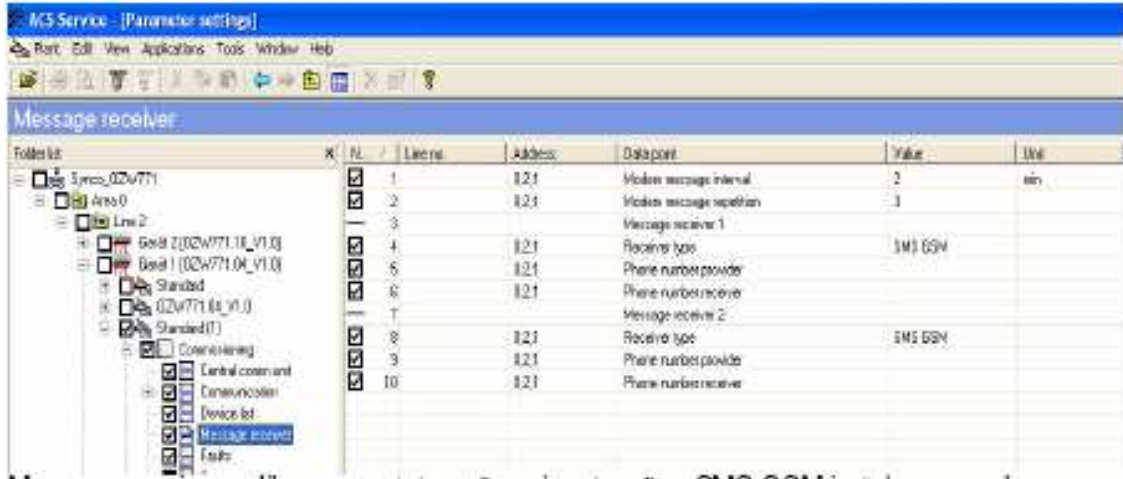


seadmesse "download" käsuga.

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.

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

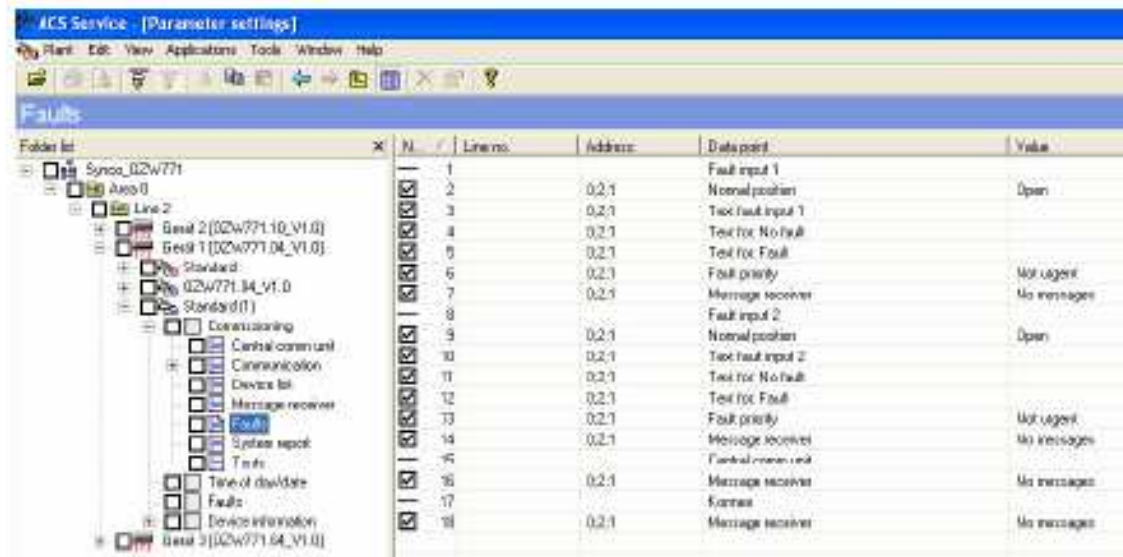


provider" mis on vastava võrgu GSM kõneandestuskeskuse number ja "phone number receiver" mis on taas kohta peal olevan telefonikaarti number.. Kirjutage ka kordushelistamiste arv.

EMT GSM tekstikeskuse number (Short Message Service Centre) +3725099000

.Elisa: +372 56100020

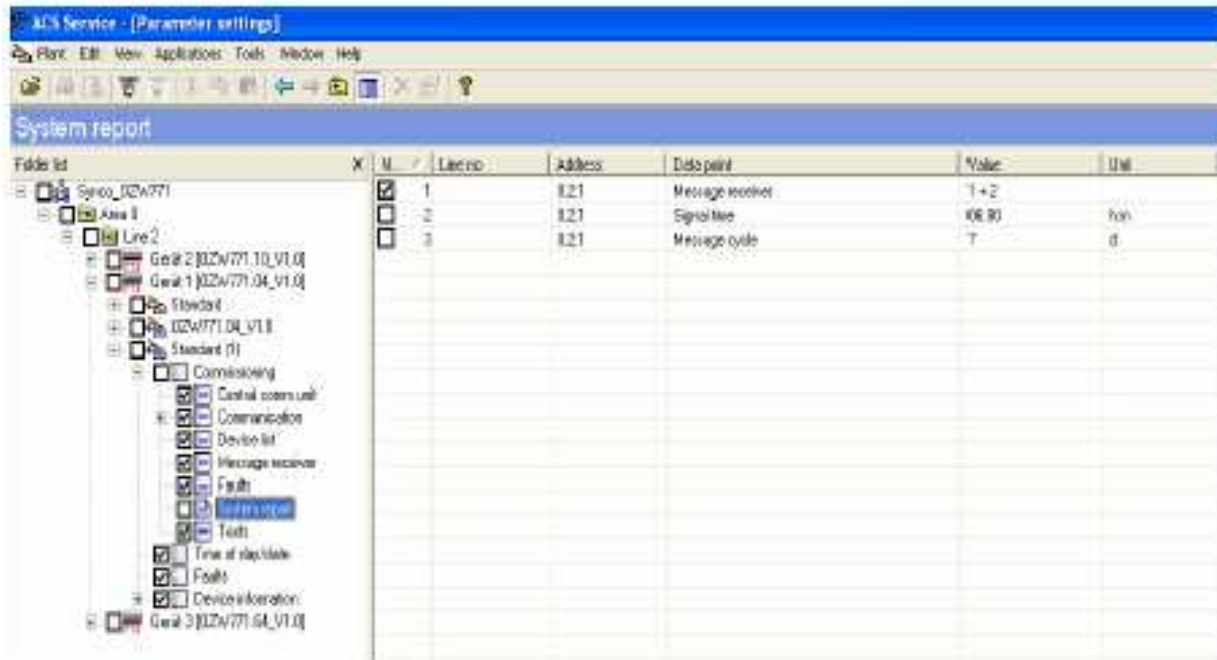
Tele2: +372 5509911



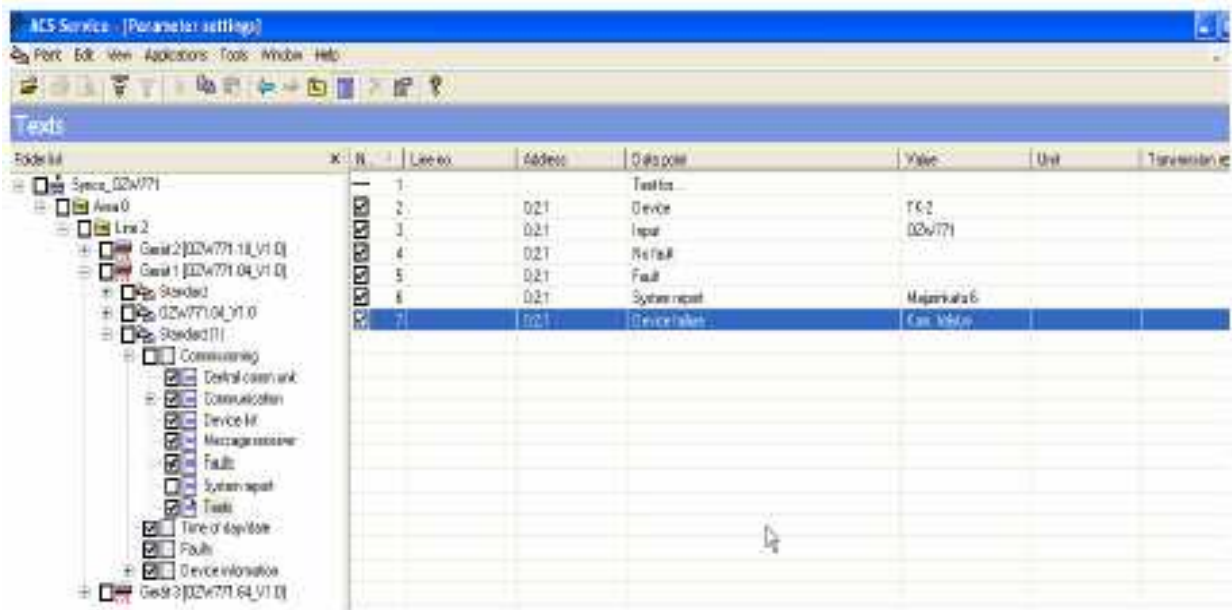
Fault input (iseseisvad veateate sisendid) 1 ja 2 jõuavad OZW sidekeskuse ilma KNX bus'1 vahendusega. Tekstid saab ise kirjutada. .

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

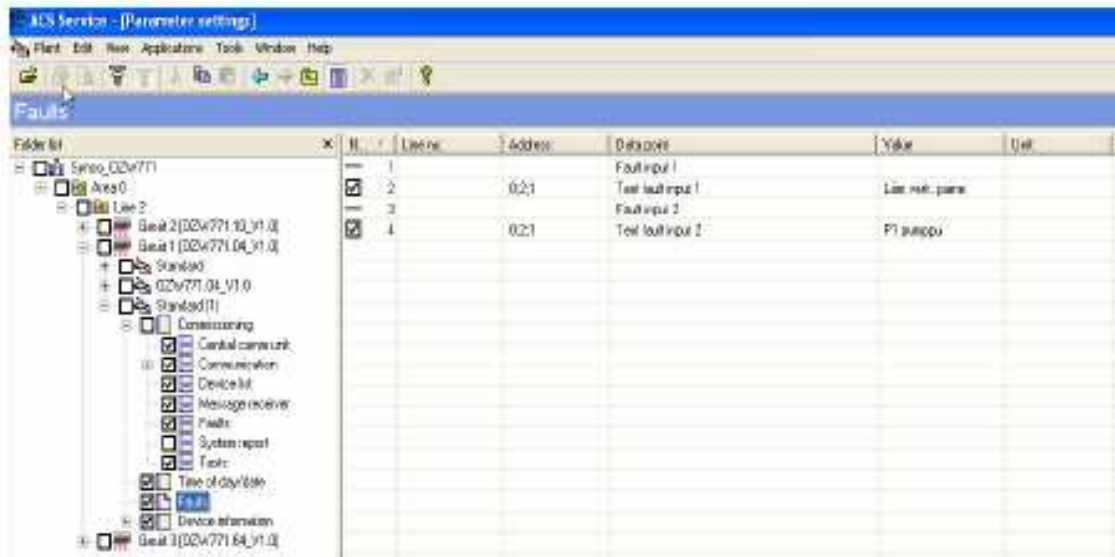
Konnex: bus'ist tulevad kõik häireteated sellistena nagu nad on regulaatorites nimetatud ning prioriseeritud.



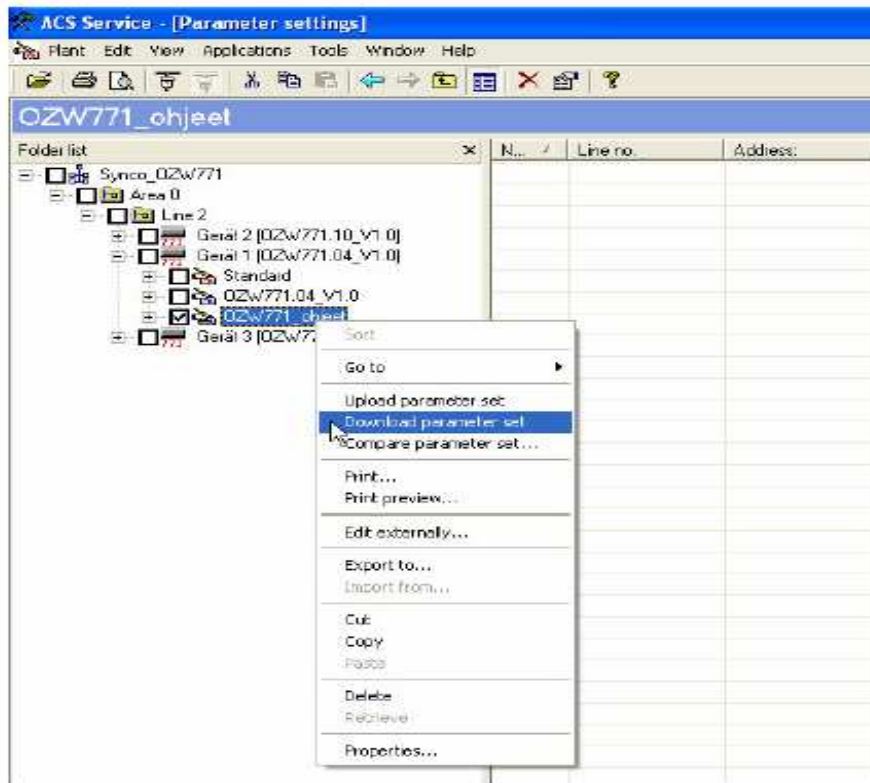
System report menüüs määratakse mis vastuvõtjad saavad millise teate ning millal see välja saadetakse.



Veateated



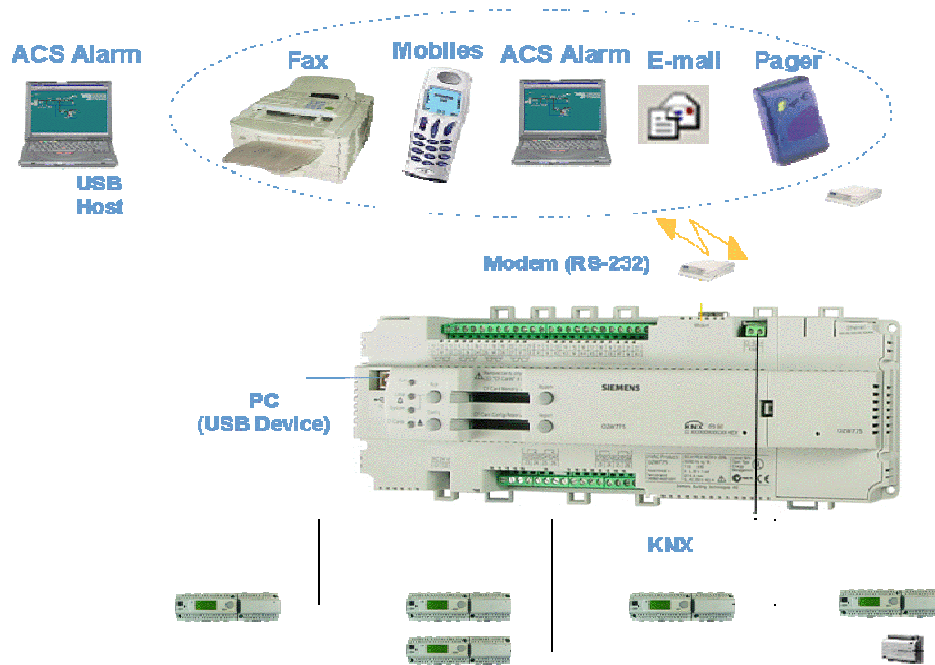
Veateate tekstid.



Lõpuks salvesta tehtud muudatused ACS programmist OZW-sse samal viisil nagu RMU-dessegi. Salvestatava valik tuleb ära märkida.

Märkus: OZW775 pakub märksa enam võimalusi andmesideks ja juhtimiseks. Lisainfo Siemensist

Juhtimine ja side OZW775 – 6 erinevat sidet



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 °C
- 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

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 50 022-35x7.5) and can be removed with a screwdriver.

Wiring



1. Permitted per terminal are solid wires or stranded wires (twisted or with ferrules)
 - 1 core: 0.5 mm²...2.5 mm²
 - 2 cores: 0.5 mm²...1.5 mm²
 - 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

- 1 RS-232 selector S1: "Modem" / "PC"
Signal selector S2 "Alarm": "on" / "off"
- 2 Modem reset button "Reset Modem"
- 3 RS-232 socket "RS-232"
- 4 Connection terminals for low-voltage:
Konnex bus "CE-", "CE+"; fault inputs "P1", "M", "P2", "M"
- 5 Konnex bus button: "Install"
- 6 LED for programming: "Prog" (red)
- 7 Connection terminals for mains voltage "AC 230 V"
- 8 LED for operation "On" (green)
- 9 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 ) 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 ) 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: Fault
 - Fault priority
 - Message receiver
 - Message triggering
- System report:
 - Message receiver
 - Signal time
 - Message cycle
- Texts*



* Optional

** Depending on the type of receiver

Completing commissioning

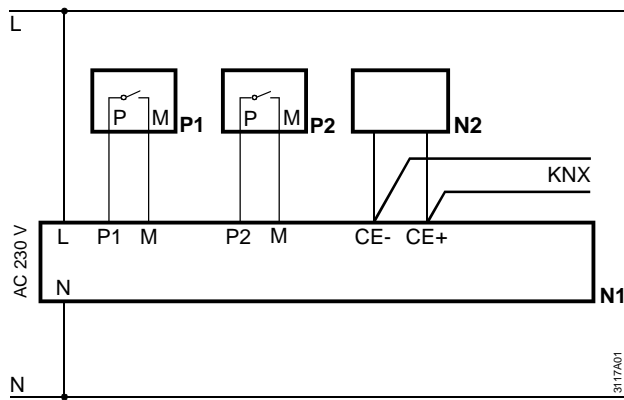
1. If the central communication unit is in addressing mode (LED for programming lit), it must be switched to normal mode.
2. To ensure that messages are delivered correctly, signal selector S2 must be set to .
3. After commissioning, the connection to the operator station via modem must be checked in 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 communication is opened.
4. Replace the terminal cover on the low-voltage side.

(Final) check on site

1. Is the green LED for operation lit?
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 .

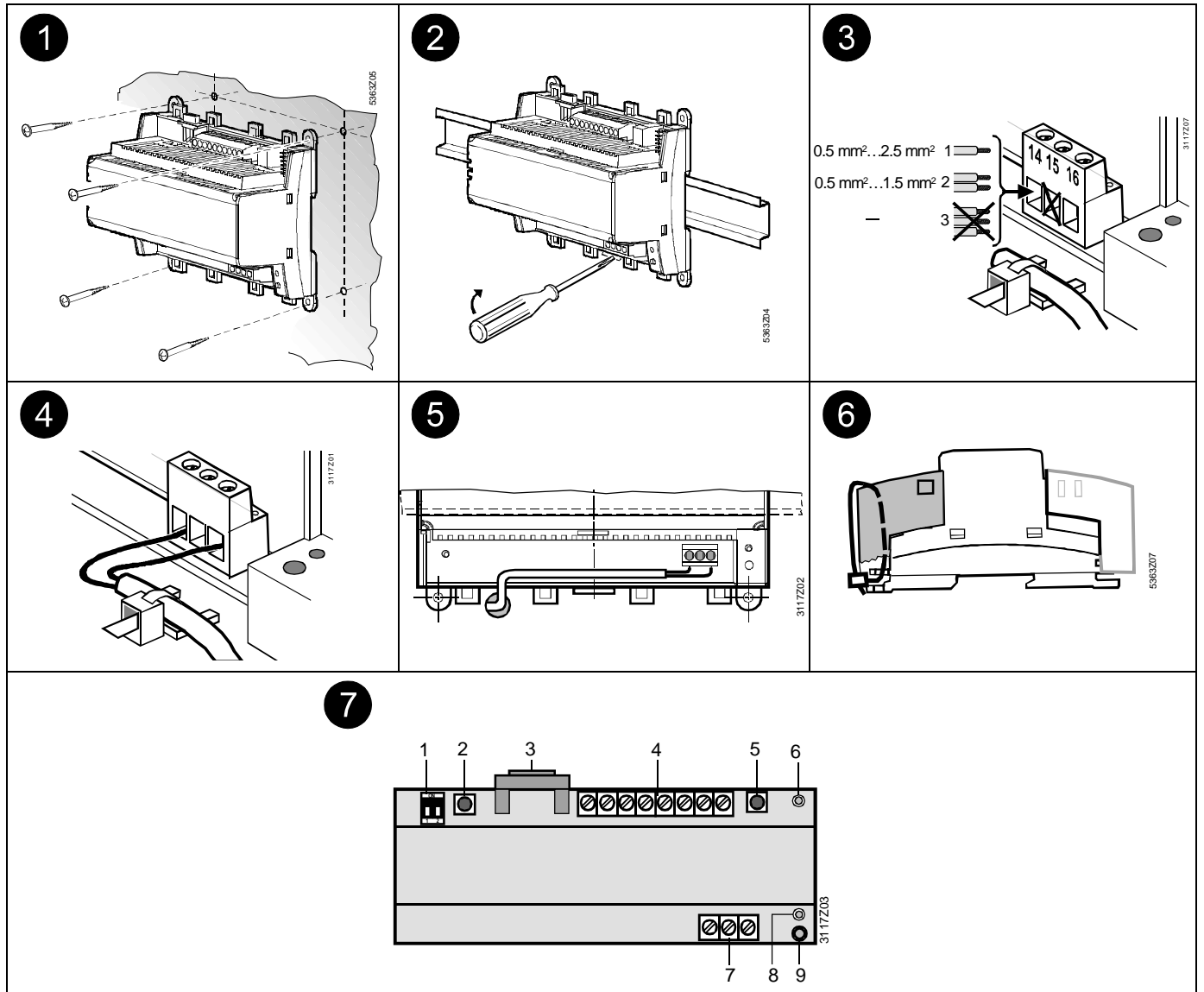
Anschlusschaltplan

Connection diagram



Abbildungen

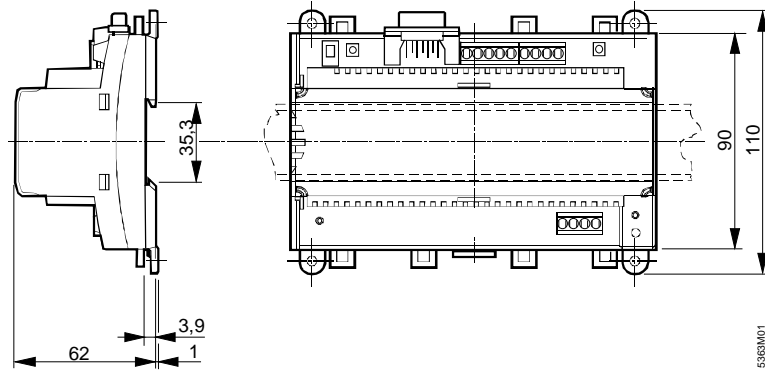
Figure



Massbilder

Dimensions

Ohne Klemmenabdeckungen
Without terminal covers
Ilman liitinsuojuksia



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