

SIEMENS

Alarm Software ACS900

Operating Instruction

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Introduction

Overview

The ACS900 is used to receive alarms or system reports from OCI600, OCI155 or OZW30.

These alarms or system reports are presented in the form of a list.

To allow further handling, the alarms can also be printed out or exported.

System specification

- **PC:** 100 % IBM compatible
 - **Processor:** 80486 or higher
 - **RAM:** min. 4 MB
 - **Hard disk:** min. 5 MB (the amount of free capacity required depends on the size of the file)
 - **Screen:** VGA standard driver (VGA 3.0), 640 x 480, 16 colours
 - **Port:** minimum one serial port COM1 with up to 9600 Baud
 - **Operating system:** DOS, Version 5.0 or higher, Windows 3.1 or higher
-

Languages

You can select the language you require when starting up the ACS900. Then, you can also decide whether the dialog for language selection shall be shown each time the ACS900 is started up.

It is not possible to change the language while the ACS900 is running.

Installation

Installing the software

For the steps to be followed, refer to the ACS900 Operating Manual.

Supplied files

The following files will be installed in the installation path of the ACS900 (...\\ACS900):

- **ACS900.EXE:** ACS900
- **README.TXT:** Latest information about the ACS900

- **ACS900xx.HLP**: Online help in different languages
- **ACS900xx.DLL**: DLL resources in different languages

The following files will be installed in the Windows system directory:

- **FPGRID.VBX**: Grid control
- **ANIBUTON.VBX**: Animations control
- **MHTAB.VBX**: Table control
- **MHGLBX.VBX**: List control
- **MHRUN400.DLL**: Dll for the controls

The following files will be installed in the Windows directory:

- **UNICOM.INI**: INI file for UNICOM.EXE
- **ACS900.INI**: INI file for ACS900.EXE

The following file will be installed in the Windows Unicom directory:

- **UNICOM.EXE**: Communications program

The AUTOEXEC.BAT and CONFIG.SYS files will not be changed by the installation program.

General information

Introduction

The ACS900 is used to receive alarms or system reports from OCI600, OCI55 or OZW30.

Menus

Main menu

With the ACS900, you can activate one alarm reception at a time. After a new installation, it is not possible to immediately receive an alarm.

The **Main** menu offers the following choices:

- **File** menu
- **View** menu
- **Help** menu

File menu

The **File** menu offers the following choices:

- **New**: the ACS900 will be activated. At the beginning, there will be the "Save File as ..." dialog where you have to give a file name for saving the alarms
- **Open...**: shows a dialog in which alarms are saved that already exist
- **Print Setup...**: shows a dialog for selecting the printer to be used with the ACS900 (standard with Windows applications)
- **Recent File**: the respective plant is directly selected. If the plant presently selected has been changed, the user will be asked if he wants to save the changes
- **Exit**: the ACS900 will be closed

View menu

The **View** menu offers the following choices:

- **Toolbar**: shows or hides the toolbar.
- **Statusbar**: shows or hides the statusbar.

Help menu

The **Help** menu offers the following choices:

- **Contents:** ACS900 help appears, including the contents
- **Using Help:** shows the summary of topics for using help
- **Info...:** shows a dialog with information about the ACS900

Toolbar



The toolbar provides functions from the menus for quicker access:
(from left to right)

- Print alarmlist
- Acoustic indication of each incoming alarm
- Show Trace window
- Detailed information about the selected alarm (ALT + ENTER)
- Info box

Status bar



The statusbar is divided into two sections:

- General text
- Comport statuses: the Comports shown are only those whose parameters have been set, whereby black => Comport *active* and grey/white => Comport *shared*

Procedures

First steps

If this is the first time you work with the ACS900, this section introduces you to its operation.

After starting up the ACS900, the cover picture appears, followed by a window for selecting the language you require. After selecting the language, you will see the main window with the main menu.

Starting up the ACS900

ACS900 is a Windows 3.1 application which can also be run under Windows 95.

Starting up under **Windows 3.1 / 3.11**:

1. To start the ACS900, double click on the **ACS900** icon in **Program Manager**.
2. The **ACS900** can also be started directly from File Manager.

Starting up under **Windows 95**:

1. Select the **Start** button and point at **Programs**.
2. Point at the ACS900 program.
3. ACS900 can of course also be started directly from Explorer.

After starting up the **ACS900**, a window with the cover picture appears, which also contains the copyright information.

Above the cover picture, the "Language" window is shown almost simultaneously. There, you can select the language you require.

Using the ACS900

With the ACS900, it is possible to generate an alarm receiver. For more detailed information, refer to section "Generating the alarm receiver".

Alarm receiver

Introduction

The alarm receiver is used to receive alarms from OCI600, OCI155 or OZW30.

Menus

File menu

The **File** menu offers the following choices:

- **Export:** all alarms and system reports are written to an Excel-readable file
- **Print...:** the contents of the currently active window is printed out. The command is also available on the toolbar
- **Print Preview:** a window shows how the contents of the currently active window would be printed out
- **Print Setup...:** shows a dialog for selecting the printer to be used with the ASC900 (standard with Windows applications)

Edit menu

The **Edit** menu offers the following choices:

- **Delete selected alarms:** removes all selected alarms from the alarm list
- **Select all:** selects all alarms on the list
- **Reverse selection:** reverses the selection of alarms
- **Properties:** shows the properties of the alarm currently selected

Options menu

The **Options** menu offers the following choices:

- **Connections:** opens a dialog in which the Comports can be assigned (refer to Connections window)
- **Settings:** here, a number of settings can be made (refer to Settings window)

Window menu

The **Window** menu offers the following choices:

- **Cascade:** arranges opened windows in a cascaded pattern

- **Tile:** arranges opened windows side by side
- **Arrange icons:** arranges the windows as icons
- **Alarms:** shows the alarm receiver
- **System report:** shows the system report receiver

Procedures

Generating the alarm receiver

To generate a new alarm receiver, choose **New** from the **File** menu. A dialog appears which prompts you to enter a name. The file extension used is ala, which stands for alarm.

Then, an empty list appears in the main window, showing the name of the file on the titlebar. The list is structured as follows:

- **Device type:** OCI600, OCI55 or OZW30
- **Transmission time:** point in time at which the alarm was sent from the plant
- **Telephone number:** telephone number of the plant
- **Name of plant**
- **Type of error:** brief description of error
- **Occurrence time:** point in time at which the alarm in the device occurred

The list can be sorted by clicking on the titlebar.

Note: if the list of alarms is very extensive, the sorting time can be very long.


Configuring the alarm receiver

To activate the alarm receiver, you have to make some settings first. Select Connections from the Options menu.

1. Select the required driver under Interfaces – Driver. If required, load or generate a driver.
2. Make a tick next to the required Comport under Interfaces – . AlarmPort
3. OK

A maximum of four Comports can be active at the same time.

Reception

After having opened the Trace window , you can trace an alarm. A successful reception of an alarm is indicated by a popup dialog which provides some information about the alarm.

The alarms are entered on the list and immediately saved in the file stated at the beginning, so that the alarm file is always up to date.

An alarm is always saved at the beginning of the list.


Windows

Alarm receiver

Introduction

The alarm receiver can show 200 alarms received from OCI600, OCI55 or OZW30. The list can be sorted by clicking on the titlebar.

Buttons


ALT+ENTER or double click or select : the alarm is shown in full detail.

Introduction

This window shows detailed information about an alarm.

Buttons

- **OK:** quits the dialog
- **Help:** shows the Help window

By selecting  or double clicking on an alarm line, all information about the alarm is displayed.

Date of acknowledgement (Popup): date when the user confirms the alarm manually in the Popup dialog.

Comment: comment the user has entered in the Popup dialog.

OCI600

In the case of an OCI600 alarm, the following alarm entries will be transmitted:

Item	Example	Remarks
Type	OCI600	Name of plant
Transmission time	20.03 1998 16:29:00	Date of transmission
Plant name	OCI600	Name of OCI600
Phone number	3799	Telephone number of OCI600
Occurrence time	20.03 1998 16:24:00	Date of alarm logging
Type of error	INPUT 2	Name of input
Module name	ETOR 2	Name of module
Alarm type	When occurring and disappearing	3: only when occurring 4: when occurring and disappearing
Status	Current status bar	0: current status low 1: current status high
Direction	7	1-7: telephone number to which the alarm has been assigned
Telephone channel	4	1-4: current telephone number

OCI55

In the case of an OCI55 alarm, the following alarm entries will be transmitted:

Item	Example	Remarks
Type	OCI55	Type of plant
Transmission time	14.05 1998 00:05:00	Date of transmission
Plant name	Hello World	Name of OCI55
Phone number	5137	Telephone number of OCI55
Time of occurrence	12.04 1998 00:41:00	Date of alarm logging in the respective device
Type of error	Input 7	Name of input
Device number	0	
Channel number	Digital input: 6	
Channel type	A5H alarm to mode 5; manual acknowledgement	
Channel status	Alarm	
Time of confirmation	---	If the channel has assumed the alarm status, this field is invalid

OZW30

In the case of an OZW30 alarm, the following alarm entries will be transmitted:

Item	Example	Remarks
Partner	OZW30	Type of plant
Time of transmission	02.04 2005 23:31:22	Date of transmission
Name of plant	OZW30	Name of OZW30
Telephone number	0000001	Telephone number of OZW30
Time of occurrence	02.04 2005 23:31:00	02.04 2005 23:31:00
Alarm text	Alarm input 1	Name of input
Production number	1234	
Customer number	0	
Apartment number	0	See below
Device number	1	See below

Apartment number	Device	Text
0	0	Central unit
0	1	Counter 1 connected to pulse adapter 1
0	2	Counter 2 connected to pulse adapter 1
0	3	Counter 1 connected to pulse adapter 2
0	4	Counter 2 connected to pulse adapter 2
0	5	Counter 1 connected to pulse adapter 3
0	6	Counter 2 connected to pulse adapter 3
>0	1	Control and heating cost allocation valve
>0	2	Counter connected to the control and heating cost allocation valve
>0	3	Counter 1 connected to pulse adapter 1

>0	4	Counter 2 connected to pulse adapter 1
>0	5	Counter 1 connected to pulse adapter 2
>0	6	Counter 2 connected to pulse adapter 2

Connections

Introduction

This dialog defines the connections of the ACS900.

Important

The local drivers are ready implemented. The modem drivers must be either loaded or newly generated.

This means that after installation, only the local drivers are available for selection. By selecting "*Load*", you can load one or several drivers from the diskette, or generate a completely new one by selecting "*New*".

Buttons

- **OK:** quits the dialog and saves the settings
- **Cancel:** quits the dialog
- **Help:** shows the help text
- **New:** shows a new dialog to generate a driver
- **Edit:** shows a new dialog to edit a driver; locally or modem
- **Delete:** shows a new dialog to delete a driver
- **Load:** shows a new dialog to load a driver

Table – "Ports"

- **Alarm port:** shows whether or not Comport is active
- **Driver:** shows the selected driver, whereby Direct: *local* and Modem: *with modem*

Table – "Drivers"

- **Parameters:** parameters of driver
- **Setting:** current settings of driver

Editing the local driver

Introduction

This dialog is used to edit a local driver.

Buttons

- **Save:** saves the driver and quits the dialog
- **Cancel:** settings will not be saved
- **Help:** shows help text

Table

- **Parameter:** parameters of driver
- **Setting:** current settings of driver

Field

- **Driver name**

Caution:

Change the given entries only if you have noted the former values or saved the driver somewhere.

Editing the modem driver

Introduction

This dialog is used to edit a modem driver.

Buttons

- **Save:** saves the driver and quits the dialog
- **Cancel:** settings will not be saved
- **Help:** shows help text

Table

Applies to "Connection", "Standard", and "Extended"

- **Parameter:** parameters of driver
- **Setting:** current settings of driver

Field

- **Driver name**

Caution:

Change the given entries only if you have noted the former values or saved the driver somewhere.

Deleting a driver

Introduction

This dialog is used to *completely* delete a driver.

Buttons

- **Delete:** deletes the selected driver after an interrogation
- **OK:** quits the dialog
- **Help:** shows help text

Table

- **Driver:** name of driver and driver settings

New driver

Introduction

This dialog is used to generate a driver.

Buttons

- **Save:** saves the driver and quits the dialog
- **Cancel:** settings will not be saved
- **Help:** shows help text

Entry field

- **Driver name:** name of driver to be generated

Table

Applies to "Connection", "Standard", and "Extended"

- **Parameter:** parameters of driver
- **Setting:** current settings of driver

Procedure

1. Make the required settings in "Connection", "Standard", and "Extended".
2. Enter the name in the entry field.
3. Select the "Save" button

Loading a driver

Introduction

This dialog is used to load one or several drivers.

Buttons

- **Load:** loads the drivers selected from the list of drivers
- **OK:** quits the dialog
- **Help:** shows help text

List

- **Drivers:** all drivers contained in the selected file
- **Drives, Directories, File name:** location of file
- **File format:** file extension

Procedure

1. Find the driver to be loaded.
2. The drivers contained in the file are now shown in the listbox "Drivers".

3. Select the driver(s) to be loaded.
4. Select **Load** button
5. When you have finished, select **Exit** button

Settings

Introduction

This dialog is used to make the general settings of the ACS900.

Buttons

- **OK:** settings will be adopted and the dialog quit
- **Cancel:** settings will not be adopted and the dialog will be quit
- **Help:** shows help text

Control box

- **Sound on reception of alarm:** shows whether the sound selected with (...) is played each time an alarm is received
- **Prints alarm received:** shows whether the alarm received is printed out
(tip: should only be used with a report printer, not with a laser printer)
- **Language dialog with a new Start:** shows the language dialog when the ACS900 is newly started
- **Popup when alarm is received:** the alarm is shown in a Popup dialog
- **Unicom visible:** Unicom can be shown
- **Trace window visible:** the trace window can be shown
- **In file:** the trace messages are immediately saved in the file selected with ...

Entry fields

- **Path:** complete path of sound file
- **Name logfile:** name of log file (path is that of ACS900.exe)
- **Maximum size [kB]:** maximum size of log file in KB

Popup dialog

Introduction

This dialog is used to show the alarms that have been received.

The user can attach comments to the alarms.

Buttons

- **Comment:** attaches a comment to the alarm currently shown

- **Help:** shows help text
- **Confirmation:** each alarm must be confirmed; when the confirmation is made, the date the alarm occurred is saved
- **Close:** this button becomes available only when all alarms have been confirmed
- **Previous:** shows the previous alarm
- **Next:** shows the next alarm

Fields

The other fields provide information about the alarm. The titlebar gives the number of alarms yet to be confirmed and the number of the current alarm.

Note

Each incoming alarm **must** be confirmed.

Comment

Introduction

This dialog can be used to attach a comment of maximum 100 characters to the alarm

Buttons

- **OK:** settings will be adopted and the dialog quit
- **Cancel:** settings will not be adopted and the dialog will be quit
- **Help:** shows help text

Generated files

Alarm file

Introduction

The information about the individual alarms is saved in an alarm file.

The following file name and file name extension are proposed:

- File name: optional
- Extension: ala (for alarm)

Format

The file is not available in clear text since the data are filed in binary form.

Export file

Introduction

The information about the individual alarms can be exported.

The following file name and file name extension are proposed:

- File name: optional
- Extension: alm

Format

The file is available in clear text and can be viewed with an editor or with EXCEL.

System report

Introduction

The system report is used to receive system reports from OCI600, OCI55 or OZW30.

Menus

The menu structure is similar to that of the alarm receiver. Some menu choices are not available.

Procedures

Refer to "Alarm receiver"


Windows

System report receiver

Introduction

The system report receiver shows all system reports in chronological order.

Buttons

ALT+ENTER or **double click** or **select** : shows the alarm in all details

Detail view

Introduction

This dialog shows the details of a system report.

Buttons

- **OK**: adopts the settings and quits the dialog
- **Help**: shows help text

Options boxes

- **System report**: shows basic information about the system report

- **Alarms present:** shows only the alarms destined for other telephone numbers
- **Counters:** shows the readings of the counters whose parameters have been set
- **Workhours:** shows the number of operating hours of the modules whose parameters have been set

OCI600

In the case of OCI600 system reports, more information will be delivered.

Mode	Display	Example
System report	Type Time of transmission Name of plant Telephone number	OCI600 17.03 1998 14:51:00 OCI600 3799
Alarms present	Time of occurrence Type of error Name of module Type of alarm Status Direction Telephone channel	17.03 1998 14:50:00 Etor1 in 1 ETOR 1 When occurring and disappearing Current status low 1 1
Counter	Time of occurrence Type of error Name of module Counting value Counter unit	17.03 1998 14:51:00 Counter 1 In 1 Counter 1 19608398 lx100
Operating hours	Time of occurrence Type of error Name of module Operating hours status Operating hours reading	17.03 1998 14:51:00 Etor 1 In 1 WH ETOR 1 1 00072

OCI55

The OCI55 system report only states that it occurred.

Mode	Display	Example
System report	Type Time of transmission Name of plant Telephone number Command code Device number	OCI55 14.05 1998 00:05:00 Hello World 5137 60 0
Alarms present	Not present	Not present
Counters	Not present	Not present
Operating hours	Not present	Not present

OZW30

The OZW30 system report only states that it occurred.

Mode	Display	Example
System report	Type Time of transmission Name of plant Telephone number Production number Customer number	OZW30 02.04 2005 00:00:40 OZW30 0000001 x x x 0
Alarms present	Not present	Not present
Counters	Not present	Not present
Operating hours	Not present	Not present

Trace

Trace window

Introduction

The Trace window is used to watch and analyse the reception of an alarm.

Menu

- **Clears the window:** only the contents of the window is cleared; the file will not be touched
- **Window always in the foreground:** the Trace window always stays in the foreground

The line format is the following:

Time, date, module / object, text

The number in the text represents the status of Unicom. If it is different from 0000, there is an error, which can be interpreted with the help of the Unicom error code list.

Using the setting dialog (checkbox: "Tracing/In File"), it is possible to select whether the lines shall also be saved in the file.

A maximum of 30,000 characters can be presented.

Tips & tricks

Desktop

Presentation of menus

The menus contain functions which cannot be performed at certain times because other functions may have to be called up first, or because no connection has as yet been opened. Menu items that cannot be executed yet are shown as grey text.

Operation

Each menu item can also be selected without the mouse. For this reason, menu items have one letter underlined. By keying in <ALT> <Letter>, the menu item can be selected.

For more detailed information, refer to the ACS900 Operating Manual.

Also, so-called short-cuts (accelerator keys) have been introduced. By keying in <ALT> <Letter> or <ALT> <Number>, it is possible to select a menu item directly.

In addition, the menu items most frequently used are made available on the toolbar for direct access.

For more detailed information, refer to the ACS900 Operating Manual.

Selecting the colours

In most cases, the ACS900 uses the Windows system colours. This means that almost everything displayed uses a colour that is not predefined by the ACS900. Hence, you can choose your own colours by changing the Windows colour configuration.

Data read

The alarm data can be exported to a file. By default, these files are filed using the installation path of the ACS900 (...\\ACS900\\<File name>.<File extension>).

These files can then be accessed with a standard spreadsheet program.

Glossar

Treiber / Drivers

Drivers are the various modem and comport parameters that are typical for use with a device

OZW30

SYNERGYR central unit

OCI55

Communication interface for RVL55

OCI600

Central communication unit for ALBATROS controllers and Batibus modules

Unicom

Communication interface for monitoring the comports and for instantiating the various protocols

