

Alarm Software

ACS900

for central units OCI600 / OCI611 / OZW10 / OZW111 / OZW30 / OCI55

**Software for the reception of alarms and system reports from one or several communication centres.
MS Windows version.**

Use

The ACS900 alarm software is an overriding program designed for use in plants with one or several communication centres that can deliver alarms and system reports.

Functions

The reception and handling of alarms and system reports is accomplished with the following applications:

<i>Application</i>	<i>Description</i>
Alarm	Alarms from the plant or the central unit are received, stored, displayed and delivered to a local printer
System Report	Information from the plant or the central unit is received, stored, displayed and delivered to a local printer

Ordering and delivery

The ACS900 alarm software is included in the scope of delivery of the ACS11... or ACS600 operating software.

Equipment combinations

Systems

For detailed information about the systems, refer to the following pieces of documentation:

<i>System</i>	<i>Document and reference number</i>
Communication with ACS600 / OCI600	Basic documentation CE1P2529en
M-bus system	Data sheet CE1N5361E
M-bus system	Basic documentation CE1P5361en
Control & metering system	Data sheet CE1N2800E

Software combinations

The ACS900 alarm software can be combined with the following software programs:

<i>Software</i>	<i>Document and reference number</i>
Operating software ACS110	Data sheet CE1N5385en
Operating software ACS111	Data sheet CE1N5385en
Service tool ACT110	Data sheet CE1N5385en
Operating software ACS600	Data sheet CE1N2530E
Batchjob software ACS910	Data sheet CE1N5389en

The programs can be run simultaneously.

Central units

The ACS900 alarm software is suited for use in plants equipped with the following types of central units:

<i>Central unit</i>	<i>Document and reference number</i>
Communication centre OCI600	Data sheet CE1N2529E
Communication centre OCI611	Data sheet CE1N2533en*
M-bus central unit OZW10	Data sheet CE1N5362E
M-bus central unit OZW111	Data sheet CE1N5363en
Central unit OZW30	Data sheet CE1N2841E
Communication interface OCI55	Data sheet CM1N2640E

* In preparation

PC hardware

<i>PC component</i>	<i>Minimum requirements</i>
Processor	486 / 66 MHz for Windows 95/98 or Pentium for Windows NT 4.0
RAM	24 MB for Windows 95/98 or 32 MB for Windows NT 4.0
Hard disk	10 MB free storage capacity Recommended: additional 20 MB per plant
Screen	SVGA standard driver 800 x 600
Ports	Serial COM1...COM4, up to 9'600 Baud for communication (directly or via modem) Parallel port for copy protection
Operating system	Windows 95, Windows 98, Windows NT 4.0
Diskette drive	3½", 1.44 MB
CD-ROM drive	1 speed

PC software

For the further handling of exported data, a user program suited for ASCII files is required (e.g. MS Excel)

- that consists of several lines and columns and
- whose columns are separated by tabs

Modem

Modems are required if communication takes place via the telephone network. The following modem drivers are delivered as standard:

- Elsa MicroLink 28.8k, 36.6k and 56k
- US Robotics Sportster VI
- ZyXel Elite U-1496E

Other modem settings can be made.

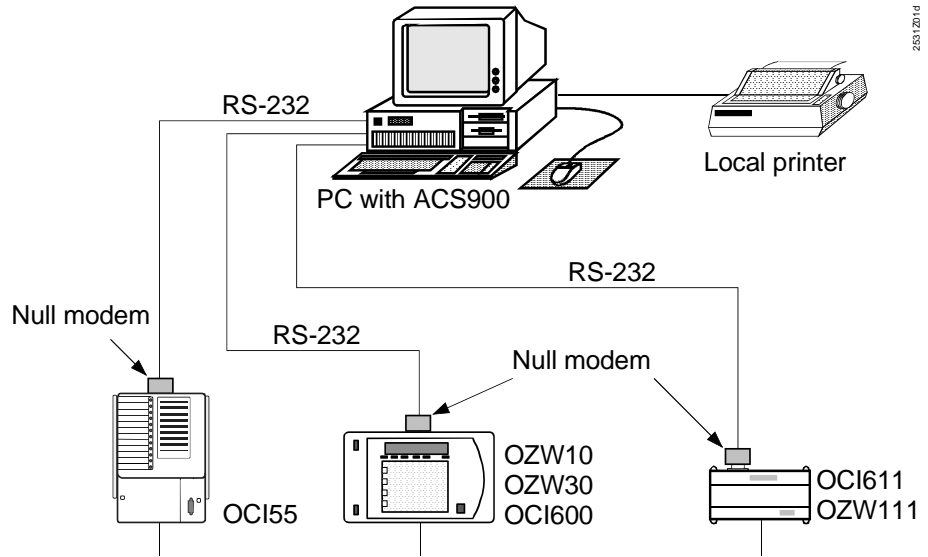
Technical design

Communication

Communication with the central units takes place either directly or via modem.

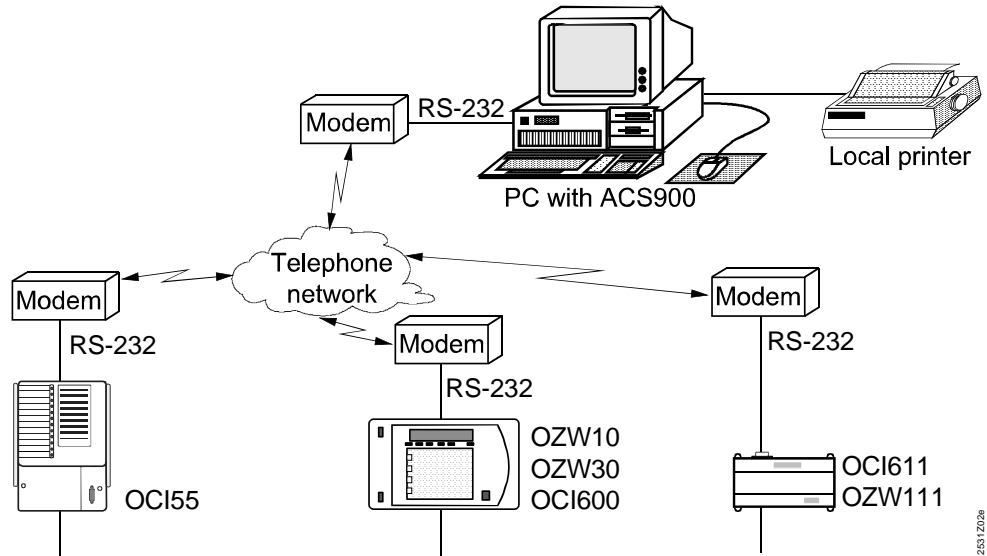
Direct connection

The direct connection necessitates a null modem between central unit and PC.



Telephone connection

With the connection via the telephone network, a Hayes-compatible modem is required at each end.



For detailed information about the RS-232 cables, the null modem, modems and RS-485, refer to the Basic documentation CE1P5361en and CE1P2529en.

Applications

Alarm

Every alarm received from the plant (central unit or devices) is entered in an alarm list. That list contains a description of the alarms and the information required for exporting them to other programs, such as MS Excel.

The process taking place during alarm reception can be configured:

- Audible signal
- Popup window opens. The alarm is entered in the alarm list only after the window is closed
- Printout on a local printer
- Any combination of the three choices

In the alarm list (see below), the designations and arrangement of the individual columns can be configured on a user-specific basis. It is also possible to add columns.

Type	Transmission time	Phone number	Plant name	Type of error	Occurrence time
OCI600	19.10.1998 10:57:00		Stadion East	Hot water	19.10.1998 10:57:00
OCI600	19.10.1998 10:30:00	7202160	Sport center	Burner lockout	19.10.1998 10:19:00
OZW30	19.10.1998 10:26:04	7244758	Airport	Alarm input 1	19.10.1998 10:25:00
OCI55	19.10.1998 10:22:00	7202160	Lion hotel	Boiler temp	19.10.1998 10:21:00
OZW30	19.10.1998 09:54:11	7244758	Airport	Alarm input 1	19.10.1998 09:53:00
OCI55	19.10.1998 09:45:00	7202160	Lion hotel	Burner fault	19.10.1998 07:57:00
OZW30	19.10.1998 09:42:30	7244758	Airport	Alarm input 1	19.10.1998 09:41:00
OCI600	19.10.1998 09:40:00	7202160	Sport center	Burner lockout	19.10.1998 09:39:00
OCI55	19.10.1998 09:35:00	7202160	Lion hotel	Boiler temp	19.10.1998 09:34:00
OCI600	19.10.1998 09:13:00		Stadion East	Burner failure	19.10.1998 09:13:00
OCI55	19.10.1998 07:58:00	7202160	Lion hotel	Burner fault	19.10.1998 07:57:00
OZW30	19.10.1998 07:55:10	7244758	Airport	Alarm input 1	19.10.1998 07:54:00
OCI55	19.10.1998 07:34:00	7202160	Lion hotel	Boiler temp	19.10.1998 07:33:00
OCI600	19.10.1998 06:43:00		Stadion East	Hot water	19.10.1998 06:43:00
OZW30	19.10.1998 05:54:25	7244758	Airport	Alarm input 1	19.10.1998 05:53:00

Details of every alarm can be shown, if required. Scope and contents of the respective window depend on the type of central unit used.

Date of acknowledgement: (Popup)	19.10.1998 11:00	<input type="button" value="OK"/>
Comment:	broken fuse changed 19.10.98 13:30 A.Brown	<input type="button" value="Help"/>
Type	OCI600	
Transmission time	19.10.1998 10:30:00	
Plant name	Sport center	
Phone number	7202160	
Occurrence time	19.10.1998 10:19:00	
Type of error	Burner lockout	
Module name	Miller School	
Alarm type	When occurring and disappearing	
State	Normal	
Direction	5	
Telephone channel	1	

All information received from the plant will be displayed. The complete system report contains general information about the plant, such as type of central unit, telephone number, name, etc. (see below). The system report can be printed on a local printer.

Type	Transmission time	Phone number	Plant name
OCI55	19.10.1998 09:45:00	7202160	Lion hotel
OCI600	19.10.1998 09:15:00	7202160	Stadion East
OCI600	18.10.1998 15:37:00	7202160	Sport center
OZW30	18.10.1998 14:15:31	7244758	Airport
OCI55	18.10.1998 09:45:00	7202160	Lion hotel
OCI600	18.10.1998 09:15:00	7202160	Stadion East
OCI600	17.10.1998 15:37:00	7202160	Sport center
OZW30	17.10.1998 14:15:30	7244758	Airport

Every line of the system report can be displayed individually:

System report: OCI600

Mode

System report

Alarms present

Counter

Workhours

OK

Help

Type: OCI600

Transmission time: 18.10.1998 15:37:00

Plant name: Sport center

Phone number: 7202160

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OCI600 communication centre only

When using central unit type OCI600, the ACS900 software in connection with the system report can also display the following:

- Alarms:
If, at the time of system report transmission, alarms are present, they will be displayed
- Counting values:
If the plant uses counters, their readings at the time of system report transmission can be displayed
- Hours run:
If, on the communication centre, digital inputs are configured as hours run counters, the readings at the time of system report transmission can be displayed

Commissioning notes

The ACS900 alarm software is included in the scope of delivery of the ACS11... or ACS600.

The software must be installed according to the installation program supplied with it.
The ACS900 can be run without copy protection.

Operating notes

The ACS900 offers the common Windows help functions. This means that descriptions of the commands and menus are available at any time.