

# Access Professional Edition

Log Viewer



**BOSCH**

en Operation Manual



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# 1 Overview

## 1.1 Modular Design

The Access Professional Edition System (hereunder referred to as **Access PE**) provides a self-contained access control for small and medium sized companies. It consists of several modules:

- LAC Service: a process which is in constant communication with the LACs (Local Access Controllers – hereafter referred to as Controllers). AMCs (Access Modular Controllers) are used as Controllers.
- Configurator
- Personnel Management
- Logviewer
- Alarm Management
- Video Verification

## 1.2 Server and Client Modules

The modules can be divided into server and client modules. The LAC service needs to remain in constant contact with the controllers because firstly it constantly receives messages from them regarding movements, presence and absence of cardholders, secondly because it transmits data modifications, e.g. assignment of new cards, to the controllers, but mainly because it carries out meta-level checks (access sequence checks, anti-passback checks, random screening).

The Configurator should also run on the server; however it can be installed on client workstations and operated from there.

The modules Personnel Management and Logviewer belong to the Client component and can be run on the Server in addition, or on a different PC with a network connection to the server.

The following Controllers can be used.

- AMC2 4W (with four Wiegand reader interfaces) - can be extended with an AMC2 4W-EXT
- AMC2 4R4 (with four RS485 reader interfaces)



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## 2 General

### 2.1 Introduction

Access PE is an Access Control System which has been designed to offer the highest standards of security and flexibility to small and medium sized installations.

Access PE owes its stability and upgradeability to a 3-layer design: **The first layer** is the administration level with its controlling services. All administrative tasks are carried out here, e.g. the registration of new cards and the assignment of access rights.

**The second layer** is formed by the Local Access Controllers (LACs) which govern each group of doors or entrances. Even when the system is offline a LAC is able independently to make access control decisions. LACs are responsible for controlling the entrances, governing door opening times or requesting PIN-codes at critical access points.

**The third layer** consists of card readers.

The communication between client, server, and cardholders is AES encrypted.

Access PE multi-user version allows multiple workstations to control the system. Customizable user rights levels regulate access and guarantee security. In this way it is possible, for example, to maintain card data from one workstation whilst using another to verify whether an employee is present in the building.

Access PE offers exceptionally flexible configuration of access rights, time models and entrance parameters. The following list gives an overview of the most important features:

### **Quick & Easy card Assignment**

Cards (up to three) can be assigned to persons either manually or using a dialog reader connected to a PC via a serial connection. All assigned cards are active. When upgrading cards the old card is automatically overwritten and becomes invalid, thus preventing old cards from gaining access even if those responsible forgot or were unable to cancel them.

### **Access Rights (including Group Privileges)**

Each person can inherit group privileges as well as having individual rights assigned to him. Privileges can be restricted by area and time to an accuracy of one minute. Group privileges can be used to grant and limit access rights for any or all cardholders simultaneously. Group privileges can be made dependent on time models which restrict their access to certain times of day.

### **Access tracking**

By defining Areas it is possible to track and enforce a correct sequence of accesses. Even without monitoring, this configuration makes it possible to display a cardholder's location.

### **Anti-Passback**

When a card has been read it can be blocked for a defined period from entering at the same access point. Hence it is possible to prevent "passback", where a user hands his card back across a barrier to provide access for an unauthorized person.

### **Automatic Cancellation of cards upon Expiration**

Visitors and temporary staff frequently require access for a limited period only.

cards can be registered for a specific time period, so that they automatically lose their validity when that period expires.

### **Time Models and Day Models**

A cardholder can be assigned to specific time models which regulate the hours in which that person has access. Time models can be defined flexibly using day models which determine how specific weekdays, weekends, holidays and special days deviate from normal working days.

### **Identification via PIN-Code**

Instead of a card a person can use a special PIN-Code to enter.

### **Verification via PIN-Code**

Particularly sensitive areas can be programmed to require additional PIN-Codes. This protection can in turn be made dependent on time models, so that, for instance, a PIN-Code is only required for access during holiday times or outside of defined working hours.

### **Flexible Door Management**

Flexible parameterization of individual door models allows an optimum balance between security and comfort. The "shunt" or alarm suppression period can be individually specified to regulate for how long a door may remain open. In cooperation with an alarm system the access point can then optionally be locked.

### **Periodic Door Release**

In order to facilitate access, door alarms can be shunted to release doors for specific periods. Door release periods can be defined manually or automatically via a time model.

### **Time and Attendance**

Access points can be parameterized to record ingress and egress for time & attendance purposes.

### **Card Design**

The graphical add-in module **Card Personalization** (CP) is fully integrated into the Access Control system to allow the operator to create cards without switching applications.

### **Assignment of Photos**

If the add-in module **Card Personalization** (CP) is not activated photographic identification can nevertheless be imported and associated with cardholders.

### **Offline locking system**

Areas which are not covered, for whatever reason, by the high-availability online access control system can nevertheless be locked offline.

### **Administration of video devices**

Entrances can be equipped additionally with cameras to identify and track the movements of persons using them.

## 2.2 User Login

The following applications are available. See the respective User manuals for details:



### Personnel Management



### Configurator



### Logviewer



### Map and Alarm Management



### Video Verification



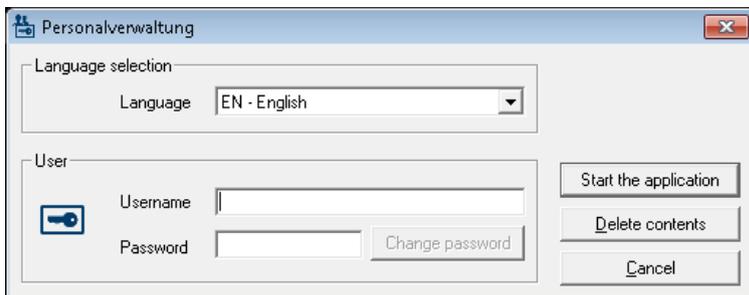
#### Notice!

A login from the client is only possible with the LAC service running on the server.

#### Client Login

The system's applications are protected from unauthorized use. The **default passwords** on first usage are:

- Username: **bosch**
- Password: **bosch**



After entering a username and password, the button **Change Password** becomes active.

After 3 wrong entries a time delay before the next logon will be the consequence. This applies for the buttons "Start the Application" and "Change Password".

The upper drop-down list can be used to select the desired interaction **language**. The default is that language which was used to install the application. If there is a change of user without restarting the application then the previous language is retained. For this reason it is possible for a dialog box to appear in an undesired language. In order to avoid this, please log in to Access PE again.

Access PE applications can be run in the following languages:

- English
- German
- French
- Japanese
- Russian
- Polish
- Chinese (PRC)
- Dutch
- Spanish
- Portuguese (Brazil)

**Notice!**

All facilities such as device names, labels, models and user-rights schemes are displayed in the language in which they were entered. Similarly buttons and labels controlled by the operating system may appear in the language of the operating system.

After clicking the **Change Password** button enter a new user name and password in this dialog:

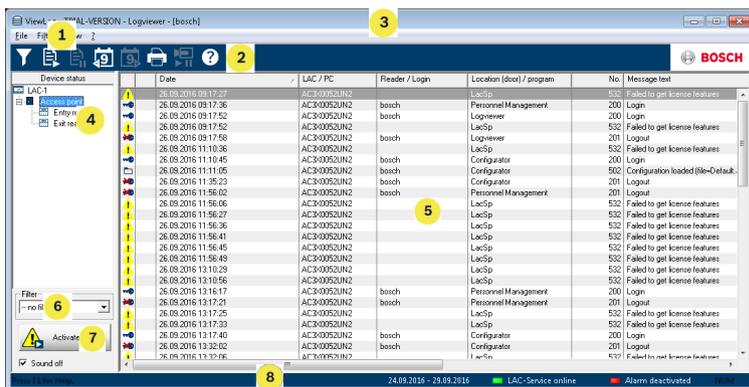
The image shows a dialog box titled "Change password". It contains two text input fields: "New password" and "Confirmation". Below the input fields are two buttons: "Ok" and "Cancel".

**Notice!**

Do not forget to change the password!

The button **Start the application** checks the user's privileges and, based on these, starts the application. If the system is unable to authenticate the login then the following error message appears: **Wrong username or password!**

## 2.3 Layout of the Log Viewer



- 1 = **Menu bar** - Contains all dialog functions arranged in menus.
- 2 = **Tool bar** - Contains the most important dialog functions as icon buttons
- 3 = **Title bar** - Conforms to Windows standard and contains buttons to minimize and close the main dialog window. The name of the current user is displayed in square brackets.
- 4 = **Device status** - List of the configured devices and entrances along with their connection status.
- 5 = **Message list** - List of messages arrived hitherto. The display can be modified by specific filter settings.
- 6 = **Filter selection** - Predefined and customized filters can be selected from the combo-box.

- 7 = **Alarm activation** - Triggers the activation/deactivation of alarms for messages. An incoming message can be accompanied by an acoustic signal.
- 8 = **Status bar** - Dates of the log files opened. Status of the LAC Service. Alarm settings.

## 2.4 Icon buttons

The following functions are available for log evaluation via menus and icon buttons.

Menu	Function	Icon button	Description
File	Print...		Print the log messages displayed
	Exit		Closes the LogViewer application.
Filter	Filter definition		Opens the message filtering dialog.
	Continuous mode on		Starts continuous message display. This icon is only active when the function is not already running and the message filter is set to the current day. Continuous message display is the default setting.

Menu	Function	Icon button	Description
	Continuous mode off		Pauses the continuous message display. This icon is only active when continuous message display is running.
	Events previous day		Switch to previous day's messages.
	Events next day		Switch to next day's messages.
View	Symbol bar		Hides/Displays the tool bar. Default = on.
	Status bar		Hides/Displays the status bar. Default = on.
without a menuitem			
			
			
? (Help)	Help topics		Opens this help file.
	About LogViewer		Opens Help About Access PE LogViewer.

## 3 Logbook

All processes (including, for example, login and logout data for users at a workstation) in the Access PE access control system are forwarded using corresponding messages and stored in the event logs. You can separate security-related messages (alarm messages) from purely information-related items by classifying them; this makes it easier for you to implement any further measures that may be necessary.

For a clear presentation with the option to filter important messages and alert dialog users, you can install and start the Logviewer dialog on any workstation, provided that the user rights of the person who is logged in allow this.

### 3.1 Message list

The main function of LogViewer is the display of log messages both current and historical.

	Date	LAC / PC	Reader / Login	Location (door) / program
	25.05.2009 17:14:07	WSN-KMK	bosch	video verification
	25.05.2009 17:14:15	LAC-1	access reader	Main entrance - south
	25.05.2009 17:14:25	WSN-KMK	bosch	video verification
	25.05.2009 17:14:28	LAC-1	access reader	Main entrance - north
	25.05.2009 17:14:30	WSN-KMK	bosch	video verification
	25.05.2009 17:14:44	WSN-KMK	bosch	video verification
	25.05.2009 17:14:45	LAC-1	access reader	Main entrance - south
	25.05.2009 17:14:54	LAC-1	access reader	Main entrance - north
	25.05.2009 17:15:00	WSN-KMK	bosch	video verification
	25.05.2009 17:15:06	LAC-1	access reader	Main entrance - south
	25.05.2009 17:15:13	LAC-1	access reader	Main entrance - south
	25.05.2009 17:15:16	LAC-1	access reader	Main entrance - north
	25.05.2009 17:15:24	WSN-KMK	bosch	video verification
	25.05.2009 17:15:28	LAC-1	access reader	Main entrance - south
	25.05.2009 17:16:12	WSN-KMK	bosch	video verification
	25.05.2009 17:16:15	LAC-1	access reader	Main entrance - south
	25.05.2009 17:16:18	WSN-KMK	bosch	video verification
	25.05.2009 17:16:46	LAC-1		Main entrance - south
	25.05.2009 17:17:01	LAC-1		Main entrance - south
	25.05.2009 17:17:17	LAC-1	access reader	Main entrance - north

By default the display is continuously updated with incoming messages. The relevant icon buttons appear with the following statuses: .

Upon startup of LogViewer the current day's messages are displayed. The messages from previous days can be displayed

using the button. A log file with the filename format

**Msg<yyyymmdd>.log** is created every day in the following directory **C:\BOSCH\Access Professional Edition\Data\MsgLog**. All such files can be displayed in LogViewer. The message list contains columns with the following information:

Column	Description
(no title)	Symbolic representation of the message category as defined in Configurator.
(no title)	Identification of the messages for which a video recording exists: 
Date	Date and time when the message was created.
LAC / PC	Source of the message: name of the controller or workstation.
Reader / Login	Source of the message if the controller has only forwarded the message. If source is a workstation then the name of the workstation user.
Location (Door) / Program	Name of the entrance, signal or other installation. If a workstation then the name of the application.
No.	Message number as per the list of event log texts in the Configurator.
Message	Message text as defined in Configurator.
Card-No.	card number (in as far as it was readable and known to the system).
Last name	Surname of the cardholder.

Column	Description
First name	First name of the cardholder.
Company / Dept.	Company / Department of the cardholder.
Local date	If the AMC is located in a different time zone, then the local creation time for the message is shown here.

The message list can be customized as desired. For example, the order of columns can be changed by dragging and dropping the column headers. Thus you can give prominence to those columns you consider most important.

In order to find the messages that interest you more effectively, the list view allows you to **sort** (toggling ascending or descending order) by double clicking on any column header.

### Notice!

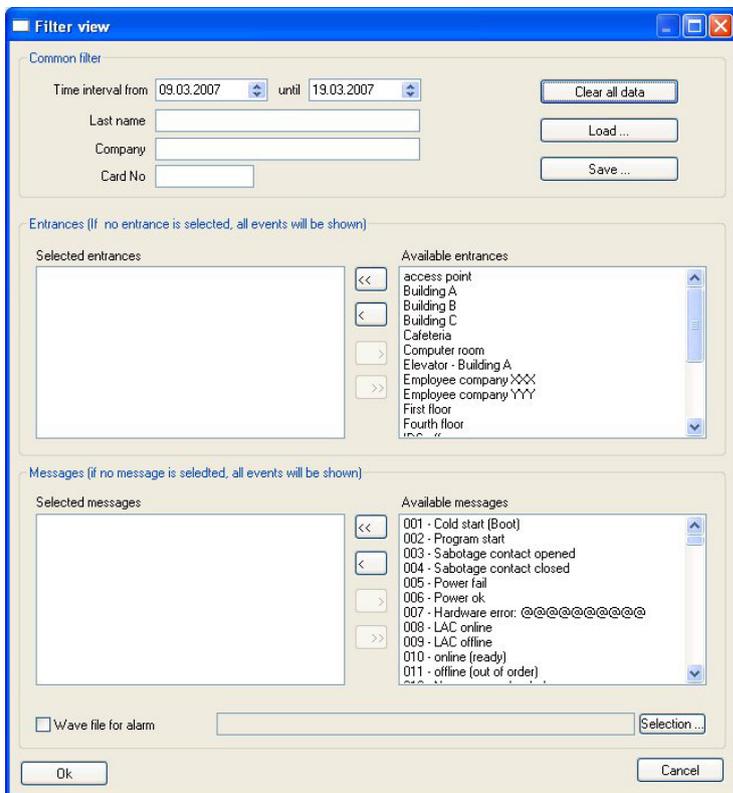


Depending on the user's assigned rights the messages displayed will be more or less limited. For users who are only entitled to view own messages, all messages pertaining to other persons will be filtered out. For users who are not entitled to view any personnel data the last four columns of the contents will appear blank.

## 3.2 Filtering messages

To restrict the display to messages matching specific criteria

click **Filter > Filter Definition** or the  icon button in the tool bar. A dialog for choosing filter criteria will be opened.



You can filter messages according to the following criteria:

Filter criterion	Description	Notes
Time period from ... to...	<p>By entering dates here it is possible to restrict the display to a certain time period. The current date can be entered as latest date.</p> <p>By entering other dates displays of events from past dates you can change or expand upon the data already displayed.</p>	<p>Because all log files will be read it is unwise to specify a very long period for the display. Depending on the size of the log files we recommend a maximum of one month in total.</p>
Name	<p>The display can be limited to persons whose names match the filter criteria.</p>	<p>The filters <b>Name</b>, <b>Company/Dept.</b> and <b>card</b> must be used singly and can not be used in combination.</p>
Company/Dept.	<p>The display can be limited to persons from specified companies or departments.</p>	
card	<p>The display can be limited to persons whose card numbers lie within a specified range. E.g. all card numbers beginning with 6.</p>	

Filter criterion	Description	Notes
Entrances	Limits the display to those messages concerning specified entrances.	
Messages	Limits the display to certain message types.	
Alarm siren with .wav file	Alarm Messages can be emphasized by playing an acoustic signal. Any system audio files can be selected to accompany an alarm.	



**Notice!**

A filter is only active as long as the application is running. Default settings (i.e. current day, no filtering) are restored as soon as LogViewer is restarted.

**Saving and reloading filters**

To avoid having to redefine filters at every restart of the program LogViewer allows each user to store and reload preferred filter settings.

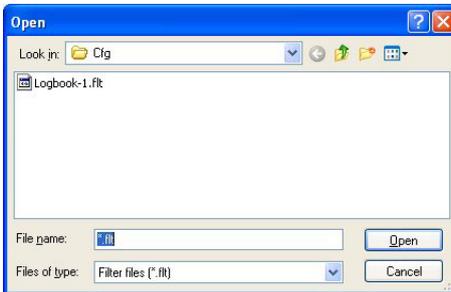
After defining you personal filter settings you can store them by clicking **Save...** at the bottom of the dialog box. By default named filter settings (<filename>.flt) are stored in **C:\BOSCH\Access Professional Edition\Data\Cfg**



Saved filter settings can be reloaded and activated by picking them from the Filter combo-box in the bottom left corner. To check and/or edit a previously defined filter, first load and



open it by clicking  and then **Load...** on the **Filter view** dialog.



The loaded filter settings can now be verified, modified and finally applied to the running application by clicking **OK**.

### 3.3 Activating alarm mode

By clicking **Activate alarm** , or by selecting a saved filter with alarm activation, the LogViewer window is closed and goes into standby mode. It appears in the Systray as the icon . Upon mouse-over the following text is displayed **Access PE: Wait for alarm**. By double clicking the icon the dialog window can be brought back into the foreground at any time.



**Notice!**

As long as **Alarm mode** is active the application can not be closed by the **x** button in the title bar, nor by **File > Exit**. Instead LogViewer returns to standby mode.

If a message is received then the main window is brought back to the foreground.

As long as the **Sound Off** box has not been checked the incoming alarm will also be accompanied by an acoustic signal.

### 3.4 Reports: Page view

It is possible to set filters to limit the report contents to a subset. If no filter is set then all data are reported. The **Search** button triggers the collection of data and their display in a preview window.

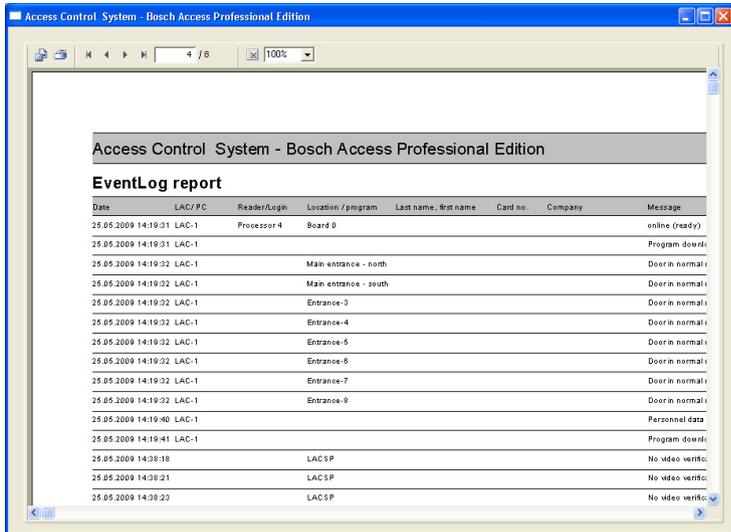


**Notice!**

When changing filter criteria it is advisable to make use of the **Clear form** button to avoid unintentional filtering and hence misleading reports.

Open log files can be saved or printed. The menu item **File >**

**Print** or the button  opens a preview.



Date	LAC/PC	Reader/Login	Location / program	Last name, first name	Card no.	Company	Message
25.05.2009 14:19:31	LAC-1	Processor 4	Board 0				online (ready)
25.05.2009 14:19:31	LAC-1						Program download
25.05.2009 14:19:32	LAC-1		Main entrance - north				Door in normal
25.05.2009 14:19:32	LAC-1		Main entrance - south				Door in normal
25.05.2009 14:19:32	LAC-1		Entrance-3				Door in normal
25.05.2009 14:19:32	LAC-1		Entrance-4				Door in normal
25.05.2009 14:19:32	LAC-1		Entrance-5				Door in normal
25.05.2009 14:19:32	LAC-1		Entrance-6				Door in normal
25.05.2009 14:19:32	LAC-1		Entrance-7				Door in normal
25.05.2009 14:19:32	LAC-1		Entrance-8				Door in normal
25.05.2009 14:19:40	LAC-1						Personnel data
25.05.2009 14:19:41	LAC-1						Program download
25.05.2009 14:38:18		LACSP					No video verify
25.05.2009 14:38:21		LACSP					No video verify
25.05.2009 14:38:23		LACSP					No video verify



### Notice!

All opened log files will be printed.

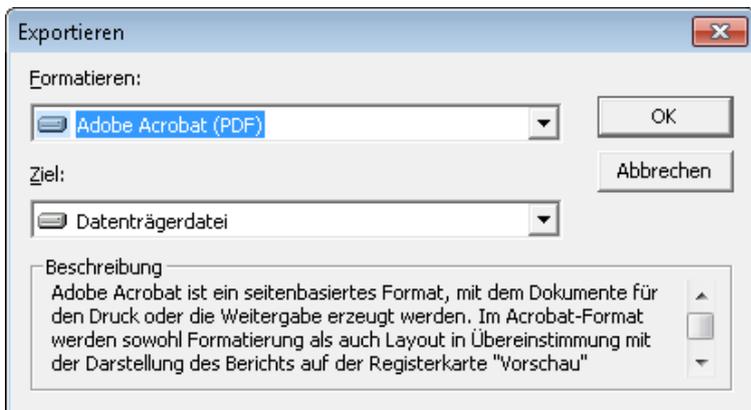
Close all files which should not be printed or reduce the selection to the important messages.

The **reports page view** offers a number of tools for modifying and manipulating the display:

Button	Meaning	Description
	Export	The list can be exported to a file for further processing. The following formats are available: Acrobat Portable Document Format (PDF) Comma Separated Values (CSV)
	Print	Prints the report via a print dialog which allows the setting of a default printer.
	Select page	The arrow buttons turn to the first, previous, next or last pages of the report. The control also shows the current and the total number of pages in the report.
	No. of pages	Prompts the current page and the number of all pages.
	Zoom	The standard scale of the view (100%) can be changed as desired.

### Exporting lists

Press the  button to open a dialog for defining the export criteria.



The **Format** selection list field offers the output formats .pdf (for forwarding and archiving specific search results) and .csv (for further processing data).

When exporting data to a csv file, it can be processed to some extent on the way.



As well as entering the **Delimiter** and the export **Mode**, you can also exclude or isolate **Report and Page sections** (column headers and page details) and **Group sections** (selected data) from the export.

You can select one of the following options as the **Destination**.

- **Application** – opens the file with the appropriate application. This application must also be installed on the computer. pdf files are opened with Adobe Acrobat Reader and csv files are opened with MS Excel.
- **Disk file** (default) – opens an Explorer dialog for selecting the directory you require. A name for saving the file is suggested.
- **Exchange folder** – the file can be sent directly to an MS Outlook recipient.
- **Lotus Domino Mail** – the file can be sent directly to a Lotus Mail recipient.

## 3.5 Video playback

If a surveillance camera has been configured for an entrance, all messages for this entrance are marked with a  in the log book dialog. Depending on the video device configuration, this means that video sequences from the selected surveillance camera are available, and can be played back, starting at the time the message was issued.

When you select a message with camera identification, the



button in the toolbar is activated. Press this button to open the Video playback dialog.



## Video playback

When you open the Video playback dialog, the playback starts, by default, 20 seconds before the alarm was issued and ends after 120 seconds.

You can configure the starting point and duration of sequences that are set when an alarm is issued.

Notes on operating the dialog:

- Progress display showing how far through the set time period the recording currently is.
- Adjustable fields for the beginning and end of the time period for the video sequence to be shown.
- The beginning and end times you set are only activated when you confirm them by pressing this button.
- Restarts the video sequence after you have interrupted it with the pause button, or reduces the playback speed if you had fast mode activated.

- ▶▶ Fast mode – fast-forwards the video sequence.
- || Pause – interrupts the display – produces a still image.
- ◀◀ Jumps to the start of the sequence and restarts the playback.
- ⏮ Jumps to the issue time of the alarm for which the video recording was opened.  
**Note:** This is only possible if the time of the alarm is within the set interval.
- Closes the **Video playback** dialog.

## 4 UL 294 Requirements

### Features not evaluated by UL:

- The Video Verification System
- Map Viewer and Alarm Management with Map and Video Verification
- Video Player
- Badge Designer
- The Delta 1200 Series
- Rosslare ARD-1200EM Series
- LAC Controllers
- LACi Controllers
- APC-AMC2-4R4CF Controllers
  - BG 900 reader interface protocol
  - L-BUS reader interface protocol
- Security System IDS - Arming/Disarming
- Elevator Use
- Texts
- Logbook
- Personnel Management and Reports
- Burglar Alarm Use

### Features evaluated by UL:

- 26-bit Wiegand format readers
- AMC2 Controllers:
  - APC-AMC2-4WCF
  - API-AMC2-4WE
  - API-AMC2-8IOE
  - API-AMC2-16IOE
- APE-SW as supplementary monitoring equipment

The following Bosch model card readers were evaluated by UL for compatibility with the Bosch's APE-SW software system:

- LECTUS secure 1000 WI
- LECTUS secure 4000 WI
- LECTUS secure 5000 WI



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