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Go to main-help ACL32

1 General

The scope of this documentation is to give the information to set up the intelligent door controller **XMP-K32** and **XMP-K32Lite** with the **small system ACL32**.

During operation certain parts of the **XMP-K32/K32lite** carry dangerous voltage. Because of that, the neglect of the safety references given in this documentation can have the consequence of heavy bodily injuries and material damages. Therefore, the installation as well as the start-up of the equipment should be reserved obviously for trained personnel.

2 Program versions

The documentation refers to the following program versions:

| W3K32p | Version 2.1 (Jan 08.2006) |
|---------|----------------------------|
| K32.bin | Version 2.9, BD 20.02.2006 |

3 Setting up the door controllers XMP-K32 / K32lite with ACL32

A mouse click on the menu-button **K32-Parameters** if the system configuration opens the screen shown in Fig. 1.

The program consists of 6 menus located on the left side of the screen (*Parameters*, *Attributes*, *Time-Schedules*, *Routines*, *Alarming* und *LINUX-Parameters*.).

| 4 | | 5 <u>1</u> | | | 3 | 1 | P | als. | 9 | \geq | | | | | | |
|--------------|-------------------|----------------|-------------|---------------|----------------------------------|---|--------------------------------|--|--|-----------|----------------------------|---------------|-----------------|--------|--------|-------|
| 124 | Communication F | lags/reader | Paramete | 45/2 4 | sader | Inputs | Outp | uts The | lautooo | Deneral | Option | | | | | |
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| (Colonia And | 1. BPA/9 plus (A | or TM500 and | TMC250 | 03 | _ | | 2 | a uci | -Protocol | | | | | | _ | 2 |
| 991 | Prati | acol-Yerlant | s and Da | tefuc | mat (| 0 | _ | | Ent | nnal-Ver | iants | and I | lotetem | at (1) | 8 | |
| | 1. 8 Bit protocol | for TMC250 | (Dip 5/1 | W3 = | On1) | | - | D: Om | ron 1-bit i | format (n | lighet | ic atri | pe) | | | - 2 |
| - | | Structure | Definitio | M (0) | 2 | | | | | Bleuc | ture-1 | outhoi | tion (11) | | | |
| | Hast-Transfer | a | 14,15,18, | 07.08 | ,09,10 | 11,12 | 11.14 | Health | inite: | 10,11 | | 1,14,1 | 8,16,17,1 | 8,19,3 | 1,11,2 | 22,23 |
| Tere-Scheman | Batgeronter | | 11, 12, 18, | 1.411 | 6. F | | 1.0 | Bargen | unter | 1.181 | .12.33 | 1,14.1 | 8,16,17,1 | 8,19,7 | 9,22,7 | 22,23 |
| 120 | Versionumber | 104 | | | | | | Vaniore | nanter | 144 | | | | | | |
| | Company-Code | 1.40.403 | 10.000 | 10 | | | | Compar | ig-Cade | 0.20 | 1.1 | 1.1 | 145347 | | | |
| Fredress | Codestructure | (and a second | | 1.41 | *** | | | Codestr | actore: | 1.000 | 10.00 | 2,03,0 | 4,05, 1 | 1.16 | 4.0 | |
| Ateming | ψ | | Web | Barry a | ntor the arias wi Is can d | deplaced the sub office the tithe de | position sectors sized a | n of the c City the s SCS char Inition in t | for actor in yotani with actor follow the autport | ABUT 324 | ng (CT. tert will be | 32) witter | | | | |
| 27 | | | Comes | ted.) | DMs: | | | | | | | Cor | nocted s | DAs | | |
| 2.2 | 0 7 2 | 2 4 5 | 8.7 | | | 11 11 | 12 | .13 14 | 16 | 0 | 61 | 2 | 3 4 | -5 | | 7 |
| Summerson | | | 00 | | |] [] | | 00 | | | | 0 | | | 0 | |

Fig. 1: Top line of the K32 parameters screen

Meaning of the topline-menu buttons:

| 4 | Exit program, go back to the system configuration |
|---|---|
| | Reboots the K32/K32lite. Cold- or warm-start can be chosen. A cold-start deletes all stored data into the door controller.(Reader, personal data, profiles) This makes only sense if generally new data has to be downloaded to the door controller. |
| | K32 data/ parameters will be load from a file on the central computer. One file is responsible for each door controller. |

EPA_K32.doc

| | K32 data/ parameters will be One file is responsible for eac | saved into a file on the central computer. ch door controller. |
|---------------|---|--|
| Ê | Upload of data/ parameters fr | om K32/ K32lite |
| | Download of data/ parameter | s into the K32/ K32lite |
| 2 | Data/ parameters of another I | K32/ K32lite can be imported. |
| <u> </u> | The current data/ parameters | will be overwritten by default values. |
| | A sub-menu with 4 utility func | tions opens. |
| Function 1 | | Show dipswitches. Several functionality of the door controller are activated by dipswitch. To get easy information about the actual settings the 4 dipswitches (SW1SW4) of the K32/K32lite can be displayed |
| Function 2 | Line | Download new firmware The software of the door controller K32/K32lite will be extended continuous with new functions and readers. If needed new software can be downloaded into the door controller K32/K32lite. |
| Function 3 | A Strate 2000 and Haddel 2010 Converted Type Converted Type Converted Type Converted Type Converted Converted | Activating additional features The controllers K32 or K32lite can be upgraded with special software-activation-codes. Depending to the type of controller a screen with activation possibilities appears. Activated features are displayed by a green hook. To activate a feature you receive a serial number depending 10-digit code from the manufacturer. Typing the code into the box and clicking the activation button the feature will be activated. |
| Function 4 | Display error log. Normally t should be the case, the conte to our service hotline. This ca | he error log should not contain entries. However, if this ant should be copied into a file (via clipboard) and to be send n be very meaningful for an error tracing. |
| | Opens the online help | |

3.1 Parameters

The first menu program *Parameters* consists of 7 registry cards where all attributes of the XMP-K32/K32lite and peripheral devices like connected card readers can be specified

Peripheral devices can by example be card readers, door contacts, extension modules (KDM16, KDA24), alarm contacts and so on.

Further on the communication protocols, data structures and timings must be set for the XMP-K32/K32lite.

The 7 registry card of the menu *Parameters* are described below.

3.1.1 The registry card Communication



Fig. 2: General functions of the registry card **Communication**

extension modules

In the registry card Communication the data transmission between XMP-K32/K32lite and connected card readers as well as the interpretation of badge data can be specified. The screen is divided vertically in two sides to specify two independent types of card readers and types of badges (0) and (1). The first step is to specify the reader protocol 'Serial Protocol' . Afterwards the data type of the selected card reader can be chosen 'Protocol-Variants and Data format'. Information about specific values is given in the datasheets of each card reader type.

Hint

Protocols and data formats will be extended continuously. Depending on the software revision different choices are possible.

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The transmitted badge information are defined by the 'Structure- Definition'. The card reader transmits maximum 32 digits to the door controller. These digits can consist of badge number, revision number, company code and pin-code. The position and type of the digits is described below.

Host-Transfer:

The XMP-K32 always transmits 14 characters to the computer.

The sequence of the 14 characters which are transmitted to the master computer is defined here as a selection from the maximum 32 characters [01..32] received from the reader.

Example: (01,02,03,04,05,06,07,08,09,10,11,12,13,14)

Blanks (empty fields) are replaced by ASCII zeros from the system. An input of the form 'x' (x = ASCII character) causes the appearance of the ASCII character that follows after the \$ character at the appropriate position of the output string.

Badge number:

By entering data positions into these fields (assuming from the data positions transmitted by the reader) the sequence of the card identification number for offline mode is defined here.

Attention: Card reader data is always transmitted by 14 digits, not defined digits are filled with zero automatically.

Version number:

By entering data positions into these two fields (assuming from the data positions transmitted by the reader) a version number can be defined.

Company-Code:

By entering data positions into these fields (assuming from the data positions transmitted by the reader) the sequence of a company code for the online and offline mode is defined.

Code structure:

By entering the pin code data positions into these fields (assuming from the pin code data positions transmitted by the reader) the sequence for the pin code evaluation is defined for the system.

In the bottom area of the window additional input-output modules can be activated. These extension modules KDM16 or XMP-KDA24 are connectable to the second serial interface of the **XMP-K32/K32lite**. A hook in the box activates the selected extension module with the corresponding hardware address (Dipswitch setting on the module).

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3.1.2 The registry card *Flags/reader*

In the registry card *flags/readers* the XMP-K32/K32lite gets information about general and special functional properties of the up to 8 connected card readers.

The standard delivery of the K32/K32lite allows the connection of up to 4 readers to the controller. To connect more readers the door controller must be upgraded by the '8-reader' Software-extension. It is recommended to use also the 8-reader connection terminal with integrated power supply.

| 1 | 2 🔺 🛔 🏦 🛃 | 1 | als: | ٢ | | | | | |
|-----------------|---|-----------|------------|-----------|-----------|--------|----------|---|---|
| 14 | Communication Rogs/resder Parameters/resider In | nits/Outp | auts Three | control i | ieneral (| ptions | | | |
| | | D | 1 | 2 | 1.1 | | <u>s</u> | 6 | 2 |
| Name | III. Enable polling | 4 | 4 | * | 4 | | | | |
| 1.6 | 1. Ext. reader | | | | | | | | |
| 67 | 2 Log sufferzed beekings | ×. | 4 | * | ×. | | | | |
| 244 | 3 Log unsufferzed bestings | * | 1 | 1 | * | | | | |
| Trindini | 4. Reader is equipped with a keylinant | 4 | | | | | | | |
| 1000 | 6 PinCode entry by profile | | | | | | | | |
| | 6: Activate office double access contral | | | | | | | | |
| | 7. Activate offices antipacolactic | | | | | | | | |
| Strethan | It Reader with Elemetric-Option (FIP) | | | | | | | | |
| 10 | 9. Picture companies reader | | | | | | | | |
| | 10 Fingegret resder (IMC2500FP) | * | | | | | | | |
| | 11. Heyboard input ad badge | | | | | | | | |
| CLUTTER. | 12 Reserved | | | | | | | | |
| 10.71 | 13 Reterned | | | | | | | | |

Fig. 3: Registry card *Flags / reader*

Meaning of the input fields of the registry card Flags / reader

| 0: Enable polling | Setting the flag activates the polling to the reader after the next K32 parameter download. The flag should be set only, if the reader with the appropriate address is actually connected to the XMP-K32. |
|---------------------------------|---|
| 1: Exit-reader | Setting of this flag defines the inside reader of a reader pair for Antipas back operation (reader 1 and reader 2, reader 3 and reader 4). The first ('even') reader of such a pair always must be set as exit or inside reader. |
| | In this situation two readers influence the same door control periphery (door opener, door contacts). For this reason only the data points for the outside reader is set. Furthermore the settings for the room balancing must be executed (e.g. (from 1 to 2) and (from 2 to 1) or (from 3 to 4) and (from 4 to 3)). |
| 2: Log authorized bookings | Authorized bookings at this card reader are stored into the XMP-K32. |
| 3: Log unauthorized bookings | Unauthorized bookings at this card reader are stored into the XMP-K32 (in offline mode). |

| 4: Reader is equipped with a keyboard | The connected card reader is equipped with a keyboard for pin code input. |
|---|--|
| 5: Pin Code-entry by profile | A pin code input at this card reader is only then required if the appropriate profile is defined so. This option does not work with all reader types! |
| 6: Activate offline double access control | The double access control in offline mode is activated for this reader. The time for this double access control is specified in the registry card General in the field <i>Number of seconds for double access control</i> . |
| 7: Activate offline Antipas back | The Antipas back is activated on the selected K32/K32lite |
| 8: Reader with Biometric-Option (FIPI) | Not used with ACL32. |
| 9: Picture comparison reader | Not used with ACL32. |
| 10: Fingerprint reader (TMC2500-FP) | This is a biometric fingerprint reader |

3.1.3 The registry card Parameters/readers

In the registry card *Parameters/readers* the following settings for the card readers and the periphery connected to the **XMP-K32** are made:

- definition of the control and supervision times for relay outputs and analog inputs, respectively, for the door control;
- activation of the functions for relay outputs and analog inputs;
- definition of a default identifier (SA/SAM) for the appropriate card reader;
- setting of room numbers;
- definition of the structure type for the identification number, the serial interface and the protocol or the data format (according to the definitions in the registry card *Communication*).

| | | - | <u>ais</u> | 0 | | | | | |
|----------------|---|-----------------|------------|----------|---------|---------|-------|----------|-------|
| 74 | Communication Rags/resider Parameters/r | oader Inputs/Ou | quets The | econtrol | General | Options | | | |
| 1 | | 0 | 1 | 1.4 | 1.1 | 4 | 1.6 | | lie I |
| anaton | Maximum door spine terror. | 10,0 | \$8,6 | 10,17 | 10,17 | 18,0 | \$0,0 | 10,0. | 10.0 |
| | Repared time 1 | 0,0 | 0.0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | D, D |
| | Pass through Smallet | 0,0 | 8,0 | 0,0 | 0,0 | 0,0 | 0,0 | 8,0 | 0,0 |
| 242 | Reserved time 2 | 8,9 | 11,0 | 0,0 | 8,8 | 0,0 | 8,0 | 0,0 | 8,9 |
| rtetwe | On-taxe for door-specier | 4,0 | 4,0 | 4,0 | 6,0 | 4,0 | 4,0 | 4,0 | 4,0 |
| 10100 | Divisions for plans rolling: | 30,0 | 10,0 | 10.0 | 10,0 | 30,0 | 10,0 | 10,6 | 10.0 |
| - | Function of analog input D | 0 | σ | 0 | 0 | 0 | 0 | σ | B |
| <u>er</u> | Function of analog regist 1 | 0 | a | 0 | 0 | 0 | a | 0 | Ð |
| Stremen | Function of analog input 2 | 0 | -0 | 0 | 0 | 0 | a | 0 | 0 |
| | Punction of analog isgut 3 | 0 | -0 | 0.0 | 0 | 0 | 0 | 0 | - D |
| 75 | Function of relay output 0. | 8 | 1 | 8 | .0 | φ. | 10 | 8 | ñ |
| -12.) | Function of relay suspan 1 | 0 | 10 | D | 0 | 0 | a | 0 | D |
| and the second | Default-Identifier (SA/SAM): | | | | | | | | |
| 200 | Frem room: | | | 0 | 4 | 0. | 0 | 12 | 10 |
| al | Ta vooro | ۰. | 0 | 0 | 0 | 0 | 0 | 0 | D |
| amiral | Structure-Defection (2 or 1) | 0 | 0 | 0. | 0 | 0 | 0 | 0. | 0 |
| 1.12 | Senal protocol (0 or 1) | 0 | U | 0 | D | 0 | 0 | U | B |
| - | Protocol-Variant / Dataformat @ ar 1): | 0 | 0 | 0. | 0 | 0 | 0 | 0 | R |

Fig. 4: Registry card Parameters /reader

Meaning of the input fields of the registry card Parameters/ reader

| Maximum door open | The maximum door open time in seconds is specified here. |
|--------------------------|---|
| une. | the door, before an alarm will be released. |
| Reserved time 1: | Reserved time. Not used at the moment. |
| | |
| Pass through timeout: | This is the maximum time interval, which may pass between bookings |
| | During this time the reader is blocked and on the reader display the |
| | message 'Terminal blocked' will appear |
| Reserved time 2: | Reserved time. Not used at the moment. |
| | |
| On-time for door opener: | The maximum effective period (on-time) for the first door relay of the |
| | respective card reader is entered here. |
| On time for clarm relay | The maximum effective period (on time) for the second relay is entered |
| On-time for alarm-relay: | The maximum effective period (on-time) for the second relay is entered here, if this is set as alarm output (function of the relay output $1 - 2$) |
| | Otherwise the max door opening time is valid |
| Function of analog | 0: Disabled |
| input 0: | 1: Doorframe contact active |
| | 2: Reader handles doorframe contact |
| | By this reader (with BPA/9 protocol) the door supervision is controlled |
| | externally. This function is important for integration of older reader installations |
| | on basis of BPA/9 protocol and integrated door supervision. The door |
| | supervision and/or door control is carried out directly by the reader |
| | here. The alarms resulting from it are registered and processed by the |
| | XMP-K32 as if it would concern supervision and control contacts of |
| | the XMP-K32 itself. |
| | Important: With this function no supervision times may be |
| | activated. |
| Function of analog | 0: Disabled |
| input 1: | 1: Pushbutton connected (For opening with alarm bridging) |
| | 2: Handle contact connected |
| Eunction of analog | |
| input 2: | 1: Pass through contact active |
| Function of analog | 0: Disabled |
| input 3: | 1: Reader blocking input active |
| | 2: Pass through reset contact |
| Function of analog | 0: Disabled |
| output 0: | Note: For the parameter setting of an Antipas back system the inside |
| | reader should be an even reader (address 0, 2, 4 or 6) and the outside reader an 'odd reader' (address 1, 3, 5, 7). If the readers 0 |
| | and 1 work as Antinas back reader pair, the function for the relay |
| | output of reader 0 should be set on '0' and for reader 1 this function |
| | should be set on '1'. By this constellation an authorized booking at |
| | reader 0 as well as at reader 1 activates the same door opener relay |
| | (BO2). |
| | 1: DOOF STIKEF ACTIVE |
| | |

| Function of analog output 1: | Disabled ON while door opening is allowed (external alarm system is bridged) Alarm output (badge related alarms, e.g. <i>Badge not valid</i>) with → on-time of alarm relay. |
|--|--|
| Default-Identifier (SA/SAM): | Each reader can get its own default identifier (e.g. $A0 = access, B1 = coming, B2 = going)$ by entering this identifier into this field. After a booking this identifier (together with the card information) is send to the control system. If this field remains free, then the identifier of the reader (e.g. TMC2503) is send. The card readers identifier is determined, e.g. on basis of a key action at the reader (<i>coming</i> or <i>going</i>). With readers, which do not sent an own identifier (e.g. TMC450N) the identifier type A0 will be send to the control system automatically. |
| From room: | Virtual room numbers can be entered here. These numbers are used for Antipas back in offline mode (also global!). Values from 0 to 254 are |
| To room: | allowed. A special case is the room number -1, which marks an 'undefined' room. If a person is in room -1 the 'anti pass back' is deactivated temporarily, i.e. the person can go into every other room. After restarting the K32, first, all persons are set as are being in room -1 (to prevent problems). It is recommended, however, not necessary absolutely, to use the same room numbers for the control system and for the K32. With very large system with more than 255 rooms, of course, this is no longer possible. The assignment of the room names is realized in the menu option <i>Rooms</i> (W3ROOM.EXE) of the parameter set for the door control units. The Antipas back option is only possible with a inside/outside reader pair. |
| Structure-Definition (0 or 1) | The code number (0 or 1) for the structure definition of the card reader must be entered here (see registry card <i>Communication</i>). |
| Serial protocol (0 or 1) | The code number (0 or 1) for the serial protocol of the card reader must be entered here (see registry card <i>Communication</i>). |
| Protocol-Variant / Data format (0 or 1) | The code number (0 or 1) for the protocol variant and/or the data format of the card reader must be entered here (see registry card Communication). |

3.1.4 The registry card *Inputs/Outputs*

In this registry card the assignment of the inputs and outputs of the door control unit to the appropriate card reader takes place.

Here can be selected between standard configuration and a free definable configuration.

| 54) (93 | | _ | | | | | | | |
|----------------|-----------------|--|-------------------------------|--------------------------------------|---------------------------------|-----------------|-------------|----------|---------|
| | 2 2 1 | s 👜 | | 2 | 1 84 | 2 | | | |
| Jd | Communication R | ags/reader Par | aneters/re | ader Inputs/O | utputs Times | control Gener | # Options | | |
| | Standard cont | galation. If B rander Please assign the | n wo correct physical (spi | në yne menë one Esloutpute in the | HDM and one in Ngical Important | HDA in addition | trix ballow | | |
| | | | dasig | mants of pho | nical in/out | to logical in/ | aute | | |
| and we | | α | 1 | 2 | 3 | 4 | 4 | 1 | 7 |
| | Wput 0 | AE 00 | P0.3A | AZ 08 | 81.13 | 108.00 | 108.09 | 10.0 00 | KBH 12 |
| 13 | input 1 | AL 01 | AE 05 | 40 1A | AT IS | 1011 01 | 108.00 | 108 00 | KDH 13 |
| Internation in | input 2 | 50 TA | AC 04 | 01 IA | AT 14 | 100 100 | ION OF | 100 H 10 | K0.8 14 |
| 1916 | Nput 3 | 60 TA | T0. 3A | AL 11 | 41 15 | 10 H 00 | ID:8 07 | 628.11 | K0 8 13 |
| | Output D | 80.02 | 80.03 | 80.04 | 80 CB | KILA 00 | R24 112 | K34 04 | NDA DA |
| -01 | Output 1 | 00 03 | 80 03 | 10 05 | 80.01 | IDA OL | K0 A 03 | RD & 05 | 10A 07 |
| | in 10 | adiano antigrao | - ⁻ | | | | | | |
| 1305 | 1102 568 | 2 100 | 14414 | | | | | | |

Fig. 5: Registry card *Inputs/Outputs*

Standard configuration:

In case of 8 reader operation a KDM16 and a KDA24 (both with the hardware address 0) are needed in order to reach the necessary number of inputs and outputs.

Free definable:

By selecting this option it is possible to assign outputs and inputs for the reader on individual way. To do this the operator can use the scroll down menus in the matrix.

Load/save assignments

With this selection menu it is possible to load or save frequently realized standard and own input/output configurations.

3.1.4.1 The registry card *Time control*

Into registry card *Time control* special settings valid for offline operation can be made. The settings, which are made in these input fields, mainly are meaningful for *Time Recording*.

Into the registry card an overview of all offline-available identifier types is represented. These identifiers are linked by activation of the appropriate field \checkmark with a defined property or by an entry of a characteristic number into the field *Display format* (0..10) with a certain display format on the reader display.

| Waxay (9) | ∎ ≗ ≗ ≙ ≙ ❷ | ġ | 1 | - | 8 | (i) | ø | , | | | | | | | | | | | . (111) |
|--------------------------|---|-----|-------|------|--------------|-------------|-------|------|------|------|---------------|----|-----|----|----|-----|----|------|---------|
| Z | Communication Regulateder Parameters/reader Inge Kay-Identifier speci | ns/ | outpe | es [| tine a.Co | con auto | te of | (ien | eral | or | ntion mil) | • | | | | | | | |
| 100-contractor | 40 | BQ. | 81 8 | 2 83 | 84 | 85 | 86 | 87 E | a a | 9 00 | a ci | 02 | 103 | CA | 65 | 68 | 87 | cale | 9 F0 |
| 1001 | Deplay format (0. 20) 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 0 | 0.0 | 10 | 0 | 0 | 0 | 0 | 0 | 0) | 0 | 0.0 | 0 |
| Case | 0. Suppress dant opener | | | | | | | | | | | | | | | | | | |
| Abreative | 1. Check authorization for leave company | | | | | | | | | | | | | | | | | | |
| | 2 Check authoritation for corrections | | | | | | | | | | | | | | | | | | |
| | 3 No entry as aback or double access control | | | | | | | | | | | | | | | | | | |
| | 4 Reserved | | | | | | | | | | | | | | | | | | |
| Tera-Seteman | 5 Reserved | | | | | | | | | | | | | | | | | | |
| - | Il Reserved | | | | | | | | | | | | | | | | | | |
| | 7 Received | | | | | | | | | | | | | | | | | | |
| Atomicia Chilliphican | Display formats 0 = "Theony Must" 1 = "Relating S.R." 2 = Relating 4 = 0 = Relating 4 = 0 = Relating 0 = Variation 1 10 = Variation 1 11 = Relating 1 11 = 10 = 148 (IR110) Tath Fields 1-10 | | | | | | | | | | | | | | | | | | |
| 0 (42130) | TEC 508 3 100 3 4414 | | | | | | | | | | | | | | | | | | |

Fig. 6: Registry card *Time control*

Meaning of the input fields of the registry card Time control

| Display-formats (010) | The entry of a code number into the appropriate field specifies the display format for the reader coupled with the identifier. The code numbers correspond to the following display formats: 0 = 'Thank you' 1 = 'Booking o.k.' 2 = Main-Balance and time of last booking 3 = Main-Balance 4 = Balance 1 5 = Balance 2 6 = Balance 2 6 = Balance 3 7 = Balance 4 8 = Balance 5 9 = Vacation 1 10 = Vacation 2 |
|---|---|
| 0: Suppress door opener | Setting this flag suppresses the door opening in connection with this identifier. This is often used in connection with inquiry functions (B0 key). |
| 1: Check authorization for leave company | With setting this flag in connection with this identifier the system checks if business errand is allowed. |
| 2: Check authorization for corrections | With setting this flag in connection with this identifier the system checks if there is the authorization for corrections. |
| 3: No Antipas back or double access control | With setting this flag in connection with this identifier the Antipas back and double access control will be suppressed. |

3.1.5 The registry card General

In the registry card *General* the following definitions are made:

- definitions for the check of the company code,
- definitions for the multi-host-operation with the XMP-K32, not used in ACL32
- definitions for the code offset for BPA9 readers and
- the time definition for double access control (offline).



Fig. 7: Registry card General

Meaning of the input fields of the registry card General

| Company-Codes: The company code is a customer specific code consisting of a customer specific code code code code code code code cod | defined |
|---|---|
| character sequence. The positions on the badge where this coor must be registered into the registry card Communication in the Company-Code. The company code is always checked on the Up to 16 different company codes can be defined. | le is read e field XMP-K32. |
| Define IP-Addresses for multi-host operation (Host 0 is the main computer) (Attention: only possible for XMP-K32 and BABYLON!)In the multiple host operation a XMP-K32 is used by several co systems with several sets of personnel master data. The appro assignments of the feedbacks (bookings, alarms) to the respect BABYLON control system is realized in the XMP-K32. The master computer 0 (host 0) has a special position. On host reader parameters and periphery definitions (e.g. door opener, contacts) of the XMP-K32 must be set. Hardware alarms (e.g. do breaking) and bookings with unauthorized badges are always for host 0. The IP addresses of host 0 must be entered into the first field.The IP addresses of further BABYLON master computers (max | ntrol priate ive 0 the door loor prwarded to imum 7) - g - must be parameter e changes av, |

| | Profile names may be used several times, however, badge data not. The badge data are not checked for repeated occurrence in the XMP-K32. The host with the lower IP number gets the priority. Important: The multi-host mode for the XMP-K32 must be released with the necessary releasing code! The feature flag 1 (K32 system point SY 0 0 → FE attribute) must be set! |
|---|--|
| Code-Offset for BPA/9 (0 = 13): | If a 0 is entered into this field 0, this is equivalent to an offset of 13. I.e., the position 14 of the characters transmitted by the reader contains the first character of the PIN code. For BPA/9 reader this offset can differ depending on telegram definition. This field offers the possibility of a correction. |
| | Example: 1 (\rightarrow Offset = 14) |
| Number of seconds for double access control: | For a double access control a certain time interval is specified. Within this interval two successive bookings with the same badge are forbidden. This applies also for all readers with activated double access control (i.e., if flag 6 is set). As the consequence of a successive booking within this time interval the badge is rejected and an alarm is generated. The time interval (in seconds) must be entered into this field. It is only valid if the XMP-K32 is in offline mode. |
| Custom key (0-2) | If the communication encryption mode between K32/K32lite and Host-PC is activated (Dipswitch 7 / SW3 of the K32/K32lite =ON) an additional defined custom key can be used as type of encryption. Important: The defined custom key will be activated after download of the parameter data and new warm start of the K32/K32lite. |
| Security level for fingerprint comparison (0-7) | Using fingerprint-readers with door controllers K32/K32lite the sensitivity of the fingerprint verification can be defined. A good setting is found if the fingerprints of all persons can be verified without failures. An undersized security level allows maybe some people to enter the building without authorization; an oversized security level can cause under influence of dirt many reading errors. A good value is a security level 4 or 5 |

3.1.6 The registry card Options

In the registry card **Options** special properties for the function of a **XMP-K32/K32lite** or properties of **XMP-K32/K32lite** together with other **XMP-K32/K32lite** integrated into the network can be defined.

| En un | | <u>_10</u> 12 |
|--------------|--|---------------|
| 4 | 🔐 🛎 🛎 🏦 🎰 😥 🗿 💩 🤣 | |
| 17d | Communication Rags/reader Parameters/reader Inputs/Outputs Timecontrol General Options | |
| Paratement | 0 Activity multi least operation (Mittenberl Filter Fag is charged, the H22 solution and deletes via logentrical) 1 Environmentary Council and a set (Charles Table Table 2 is UNICOUNTED advance Access of Lands 2 Council 20 | |
| (internet | 2 Encrypt using communication with TMC250 mades 2 Encrypt using communication with TMC2500 mades 2 Encrypt using communication with TMC2500 mades | |
| 2 | 2. Second does dependent on control dependent of the model 2. Ton't check second and the model | |
| Abreative | B. Set converter and last booking in local database in unline mode too V Texture and last booking in local database | |
| 95 | Employ Locker-Centrol restrict of Elevator-Centrol with NDADA galaxies and Option 1 tool) R Employ Locker-Centrol restrict of Elevator-Centrol with NDADA galaxies and Option 1 tool) | |
| Tere-Strenam | 10 Support additional error mensages the ATG readers | |
| 100 | 12. Recorved | |

Fig. 8: Registry card **Options**

Meaning of the input fields of the registry card Options

| 0: Activate multi host | This option activates the multi-host-operation (see also 3.1.5 The registry |
|---------------------------|---|
| (Attention: only possible | |
| (Attention: only possible | |
| for XMP-K32 and | Important: The change of this flag will boot the XMP-K32 and delete |
| BABYLON !) | old log data! |
| 1: Elevator-Control by | Setting this flag activates the elevator control after profiles with the |
| profile with KDA24 | KDA24. By the access profiles of the person it is specified, which floors |
| (Attention: only possible | are allowed for the person and which not. |
| with BABYLON !) | |
| | Important: |
| | Setting of the flag 1 Elevator-Control by profile with KDA' and input |
| | into the field Number of elevator levels divided by 8 if Flag 1 set' in |
| | the program W3port registry card YMP_Parameters |
| | The program woport, registry card XWP-Parameters |
| 2: Encrypt serial | This flag activates the encrypted communication to the TMC2500. |
| communication with | |
| TMC2500 readers | Important: |
| | For the TMC2500 this option can be reset only by a power off. |
| 3: Disable door open | If this flag is set, in case of a sabotage at the reader the door opener |
| relay in case of | relay will go into the state 'block'. |
| sabotage on reader | As long as the XMP-K32 registers a sabotage condition for the reader the |
| U U | door will not open. |
| 4: Don't check version | If this flag is set, the version number is not checked in offline mode. |
| number in offline | |
| mode | |
| | |
| | |

| 5: Activate global Antipas back with other K32 in offline mode | For the operation of this option it is provided that the involved XMP-K32 are in offline mode after parameter download (i.e., there is no connection to the master computer), however, there must be a cross-linking between the individual XMP-K32s. The sense for a global double access control is: it refers not only to an individual door with card reader authorization, but to a whole series of doors with card reader authorization. For it the door controls can be realized by several XMP-K32. The K32 exchanges the necessary data among themselves. |
|--|--|
| | Example: A person A executes a booking at entrance 1 of a stadium and hands over the badge to a following person B. By the global double access control for the person B is not allowed to execute any repeated booking neither at reader (entrance 1) nor at any other reader (stadium entrance) of this network. |
| | A similar information exchange between the XMP-K32s also causes that the Antipas back mode can be realized in offline mode. The whereabouts of the persons are defined by the executed badge bookings. |
| 6: Set room number and last booking in local database in online mode, too (Attention: only possible with BABYLON !) | The room number and the last booking will be forwarded to local master data also for online mode. It recommended to set this option if option 5 is set. |
| 7: Copy actual room number and last booking from old database if downloading a new database | With the master data download also the current room number and the last booking are taken over from old master data. It recommended to set this option if option 5 is set. |
| 8: Enable Locker- Control instead of Elevator-Control with KDA024 | (Attention: only possible with BABYLON !) |
| 9: Enable key dispenser function with KDM and KDA | (Attention: only possible with BABYLON !) |
| 10: Support additional error-messages for ATG-readers | (Attention: only possible with BABYLON !) |
| 11: Suppress door opening functions in case of sabotage on controller (UL294) | This feature disables the functionality of the output relays on the door controller if the sabotage alarm of this device is pending. UL installations don't allow access in case of sabotage alarms even on authorized bookings. |

3.2 Attributes



The menu *Attribute* consists of two registry cards. Inside the first card all attributes of the depending K32/K32lite are listed. For easy finding attributes a search-string can be inserted on the bottom. All attributes of a K32/K32lite can be uploaded and changed through clicking with the right mouse button on the attribute value! To activate the

new setting and values the data must be downloaded into the K32/K32lite.

| | Complet | to list He | sattime disp | lay/chane | . It | | |
|------------|---------|------------|--------------|-----------|---------|---|---|
| A | Terr | Cent | Channel | hTate | Athtole | When melect loss than sick with salt meanwhere to change value! | - |
| and and | er. | c | | 137 | 12 | 13.12.2005 12:56:37 | |
| | Evr . | 0 | 0 | 137 | 10 | 01.12.2005 08:49:00 | |
| - 25 | 157 | α. | a | 115 | 72 | K32L (Code) | |
| 1 | 57 | 0 | a. | 132 | 175 | 2-8 | |
| | ar. | 0 | 0 | 100 | 104 | 100038 | |
| 1965 | 27 | 0 | 0 | 100 | 10 | 0 | |
| | ST | σ | 0 | 150 | MC . | - 19 | |
| | ar . | 0 | 0 | 130 | 89 | 147 | |
| T . | 27 | 0 | 0 | 130 | 882 | 33 | |
| - | 57 | 0 | 0 | 132 | 81 | 19.7 | |
| 125 | 17 | 0 | 0 | 121 | 10 | 23.4 | |
| | 57 | 0 | 0 | 130 | 00 | 0 | |
| - | . तर | σ | U. | 170 | WE . | 0 | |
| | 217 | 0 | 0 | | FE | ***, | |
| | 57 | α. | 0 | 0 | FC | 0 | |
| | 17 | 0 | α. | 0 | ct | 0 | |
| | 17 | 0 | 0 | 0 | 99.1 | 0 | |
| | 27 | 0 | 0 | 1.2 | SV | 0 Dissiled | |
| | हर | 0 | 0 | 1 R | 51 | 30 flinstep | |
| | 11 | 0. | 0 | 6 | FD | E Rivertes | |
| | 27 | 0 | 0 | D | PO | 1 | |
| | 57 | 0 | d | 0 | 56 | 1 | |
| 4 | 17 | 6 | 0 | 0 | P.E. | 0 | |
| Nam - | 21 | 1 | a. | 2.6. | Ph | (astronomical astronomical astronomi | |
| | 56 | 1 | 10 | 0 | 58 | 1963 | |
| | 17 | \$ | 0 | 0 | 4.8 | 0 | |
| | 57 | 4 | 10 | 130 | 1.0 | \$8000 | |

Fig. 9: The menu *Attributes*

The second registry card shows a real time view of the attributes. All data and datachanges of attributes are displayed. Inserting search strings reduce the visualization of data.

| | - 2 | - | 屾 | 曲 | 🖴 📑 🍇 🤗 | |
|----------------|---------------|-------------|-------------|------------|--|---|
| 14 | Complete list | Realtine d | splay/chi | 101 | | |
| 2 | | lõ | W .1 | VSY . | VBI VBO VAI VDO VPG VC1 VTR VTT VTF | |
| and the second | Type Card | Chierre | NCade: | Atminute | Value (relect ins, Hen click with right massakey to change value) | |
| ARREST T | 111 A | 0 | -11 | CV. | | |
| 123 | 11 4 | 8 | 31 | TV. | 1 | |
| | BI 1. | 2 | 0. | AK | 0 | |
| Advantage a | HI 1. | 3 | 0 | MD | 0 | |
| | BI 1. | | 33 | LP . | O Normally open | |
| 20 mm | PT 1. | | 1 | 70 | 0.0 seconds | |
| | BI I | 6 | 3 | 82 | 0.0 Seconds | |
| | 81 1 | 1 | 0 | 90 | 4 | |
| -Strankies | 1 1 | 0 | 0 | 49 | New States and States | |
| | 11 1 | 9 | 32 | 251 | © Fimilari | |
| 26 | 11 1 | 10 | 12 | 57 | 1 Enabled | |
| | 91 1 | 11 | 1 | KD- | 0.0 Seconda | |
| -01 | 81 1 | 52 | 1. | AD | 0,0 Records | |
| viezzonie. | 14 I. | 53 | 0 | 97 | | |
| | 11 1 | 38 | 0 | 37 | Providence and the second seco | |
| 12-11 | 11 1 | 15 | E | T1 | 0.0 Seconda | |
| 12-1 | a contraction | | 19 | 30 | 3 Change of state | |
| 1.11 | | | 130 | NC | 1 march 1 marc | |
| 4 smins | | | 150 | NL. | Recently | |
| | | | 111. | BT. | 47612.0 | |
| and a second | | | 332 | BL. | P.P. 1911 | |
| 1 A A | | | 137 | DC | 01.01.1040 | |
| <u> </u> | | | 0 | VA. | 345 | |
| LIGHT AT AT | | | 18 | AI | 34 | |
| | | | 18 | 1.5 | 70 | |
| | | | 18 | 5-2 | 90 | |
| | | | 148 | 61 | 10 | _ |
| | Please type a | earchertana | Eleant | Value) Act | ad reput value 0 or 1 | |

Fig. 10: Real-time view of Attributes

3.3 Time-Schedules

The menu *Time-Schedules* consists of 4 registry cards (Set points, Time-Schedules, Trend-Definition, Display Trends).

| - | 2 2 2 1 | A A | | | 0 | | | | |
|----------------|--------------------------|------------------|----------------|----------------|---------------------------|----------|-------|---------|---|
| 134 | Setpoints Time-Schodules | Frend Definition | Bisplay Trends | | | | | | |
| | Activ Paatsame | Attitute | The Schedules | Occupied value | Unoccupied value | Type | (cail | Channel | - |
| Parameters | 4 1900100 | 09 | | a | 1 | 30 | | | - |
| in the second | | | | | | | | | |
| | | | | | | | | | |
| Abrbedve | | | | | | | | | |
| 100-0 | | | | | | | | | |
| 25 | | | | | | | | | |
| Time Schoolans | | | | | | | | | |
| 20 | | | | | | | | | |
| | | | | | | | | | |
| friedres | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| waning | | | | | | | | | |
| 27 | | | | | | | | | |
| 1 NUT Dates | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | - | | | | | | | | |
| 0.04130 | 102 966 (100 | 1.877.2 | 29 | 14407.40 | ributes university of the | m Kazins | 32 | | - |

Fig. 11: The menu *Time-Schedules*

3.3.1 The registry card Set points

In registry card **Set points** the data points - which should be controlled by the schedule – can be selected and specified with its parameters.

Attention: Within the smart system ACL32 the Data points are addressed by their technical addresses.

Example: Output BO Card 1, Channel 0 is named 'BO0100'

| Sell. | Setting a hook into the box the data point depending time schedule will be activated. |
|--------------------|---|
| Point name : | Technical address of the data point that should be controlled by the schedule |
| Attribute : | The data point attribute that should be affected by the schedule is entered here. |
| Time-Schedules : | The number of the schedule which was defined for the time control of the data point must be entered here. The definition of the schedule with the appropriate schedule number is made into the registry card <i>Time-Schedules</i> . |
| Occupied value : | In dependence on the data point and attribute type the set point value for the ,active' time window of the schedule must be entered here. |
| Unoccupied value : | In dependence on the data point and attribute type the set point value for the ,non-active' time window of the schedule must be entered here. |
| Type : | Type of the selected data point (inserted by system) |
| Card : | Card, that is defined for the selected data point (inserted by system) |
| Channel : | Channel, that is defined for selected data point (inserted by system) |

3.3.2 The registry card *Time-Schedules*

In the registry card *Time-Schedules* the actual schedule is defined by the setting of occupation times (,active' times). The schedule is characterized by a number.

| WORKSDU [H] | | | | | | | <u>. IDi x</u> |
|-------------|-------------|------------------------|------------------|--------------|----------|----------------------------------|----------------|
| 4 | 2 | 5 2 | | - | M . | 1 | |
| 124 | Setpoint | Time-Schedules | Trend Delinition | Display Tree | ds | | |
| Parameters | Ma U | Description of time-ar | hedule - | | | | |
| | 2 | | | | | | |
| Abritative | 5 | | | | | | |
| 27 | 7 B B | | | | | | |
| | 10 11 | | | | | | |
| Fintres | 12 | | | | | | 5 |
| | | from 00.00 | 10 M | Tu We Th | Pr 98 94 | | |
| 27 | | 00.00 | | | | | |
| LNULPalan | | 00.00 | <u></u> | | | | |
| | | 00.00 00.00 | | | | | |
| O JACLIND | - | 192 108 3 100 | 877.22 | 117 | 1 | 14403 Antributes upleaded from N | 32-0532 |

Fig. 12: Registry card Time-Schedules

Meaning of the input fields of the registry card *Time-Schedules*

| No. : | Number of the time-schedule [063] |
|------------------------------------|--|
| Description of time- schedule : | A short description of the time-schedule can be inserted here. |

By selection of an appropriate day-type (*Mo-So, H1-H9*) and setting of the ,active' time window (*from.. to..*) up to 10 different occupation times can be defined for a schedule.

Hint: By double-click on the time schedule number in the set-point value table it is possible to jump directly into the appropriate schedule.

3.3.3 The registry card *Trend-Definition*

In the registry card *Trend-Definition* each *K32/K32lite* up to 32 data points can be visualized by trend diagrams.

| 4 | 2 | 2 | 9 | | | | 9 | | | |
|--|---------|---------|------------|------------------|----------------|-----------|------|------|---------|--|
| 124 | Setjoin | a Time. | Scheitules | Trand-Definition | Display Trends | | | | | |
| | Ha | Adly | Painteam | 10 A | Attaba | te Truper | Type | Card | Classel | |
| Parameters | U | V | .001103 | | VE | 1 | 80. | 1 | 10 | |
| Contraction of the local division of the loc | 1 | | | | | | | | | |
| | 2 | | | | | | | | | |
| 244 | | | | | | | | | | |
| Abretetwe | - 5 | | | | | | | | | |
| | 6 | | | | | | | | | |
| | 17 | | | | | | | | | |
| 24 A | 15 | | | | | | | | | |
| a Schoolage | 8 | | | | | | | | | |

Fig. 13: Registry card Trend-Definition

Meaning of the input fields of the registry card Trend-Definition

| Nr. : | Number of trend [031] |
|--------------|---|
| Point name : | Technical address of the data point to be visualized. |
| Attribute : | Attribute of the data point that should be visualized. |
| Trigger : | A new trend value will be set if the attribute changes about this minimum |
| | value. |
| Type : | Type of selected data point (automatically set from system) |
| Card : | Card of the selected data point (automatically set from system) |
| Channel : | Channel of the selected data point (automatically set from system) |

3.3.4 The registry card Display Trends

In the registry card *Display-Trends* the selected data points of the trend definition are visualized. For each trend up to 2048 values are displayed. The visualization can be defined in different types.



Fig. 14: Registry card *Display Trends* (Example 1)



Fig. 15: Registry card *Display Trends* (Example 2)

Meaning of the menu symbols of the registry card Display-Trends

| | In the door controller K32/K32lite stored trend values will be load to the |
|--------------------------|--|
| | computer |
| Upload actual trend | |
| values : | |
| | Changes display type from line to bar. |
| Display type | |
| (line / bar) | |
| 252 | Each maximum value will be marked by a rectangle. |
| Display type (Marker) | |
| 1 | Each maximum value will be marked by its value. |
| Display type (Value) | |
| | Each maximum value will be marked by date and time. |
| Display type | |
| (Date/Time) | |
| ∴ ⊖ ∴ ⊙ | Zooms value range 'Y' |
| Zoom Y | |
| | Zooms value range 'X' |
| Zoom X | |
| H H 4 | Moves displayed values backward |
| Position backward | |
| ► + H | Moves displayed values forward |
| Position forward | |
| | Export of displayed trends in 3 different file-formats. |
| | 1. BMP |
| Export trond | 2. WMF |
| Export trend | 3. CSV |

3.4 Routines



In the menu option *Routines* up to 32 XMP routines can be created. With routines it is possible to control the periphery of the K32 according to a program sequence particularly specified by the user.



Fig. 16: The menu *Routines*

Meaning of the input fields of the menu program Routines

| No. : | Number of the routine [031] |
|---------------------------------|--|
| Description of Routine : | A short description of the routine can be inserted here. |

The length of a routine can be up to 120 lines. The length of a line may be maximum 200 characters.

Commands which can be used in K32/K32Lite routines:

| print [09],"format-string",expr1,e | <pre>kpr2,,expr10 ; 07 = Reader 07, ; 8 = Universal reader port, ; 9 = Universal KDM port, ; C = Console ; The structure of the format-string is the same as for the printf- ; command in the programming language "C" !</pre> |
|---|--|
| wait expr | ; in 100ms Steps, i.e. 3.5 = 3.5 seconds |
| alarm expr | ; release an alarm ; expr is the No from defmess~.txt |
| if expr op expr then | ; if- constructions |
| else | |
| endif | |
| if expr op expr goto nn if 12 < A < 27 then goto nn expr = expr | ; this constellation is allowed, too ; jump to line ; return into last line not necessary ; assignment of expressions |
| Meaning of defined variable | <u>S:</u> |
| cy = year cm = month cd = mday cw = wday wday2 time time2 date wm rand c100 | ; current year 2005 ; current month ; day of month ; weekday incl. holidays (015) 0=Monday ; weekday excluding holidays(06) ; time in running minutes per day ; time in running seconds per day ; date in PM format ; weekday-map ; random number ; internal 100ms counter |
| Operators, which can be use +-*/ AND or & OR or XOR or ^ MOD or % ROR, ROL >> and << | <u>əd:</u> J. as 0xB4D3. |

Examples for **technical hardware addresses** in K32-XMP routines [.BO0100] = 1 or [.BI0100] = 0 ; *!!cardnumber double-digit*

EPA_K32.doc

3.5 Alarming



The menu *Alarming* can be used to send door controller alarms by EMAIL, SMS or TCP/IP- message (alarm printer). There are 4 identical registry cards to define up to 4 different types of alarming or receivers.

Hint

The optional software feature 'alarming by email/sms' has to be activated on the door controller (Flag 3).

| 1 | 2 2 2 🛍 | Download data has most | IN IN | 2 | | |
|--|---|--|--------------------|-----------|---|--|
| | 1 2 1 4 | | | | | |
| 5 A | And the second second | Ho | lect type of Alarm | ing | | |
| | L Nut activated | | <u>4</u> 50 | e Attribu | đ#./ | |
| Anameters. | 2 Gent mai | | 🖂 6: Re | terror | | |
| Sec. E | 1 Seen SMS via "eMail to SMS | Gatevay* | 7 Percent | | | |
| | A Send TURAP telescare Storter | CCTV atr.3 | CI II Se | nered | | |
| and the second s | | distant's such | 1.1.4.1.4 | Sarrea. | · · · · · · · · · · · · · · · · · · · | |
| | Mai-Sener P-Address | 61,110,54,13 | 1/1028-02-01 | | | |
| 100 | Mail Account | cen-pectnerilenter | c-psibit.de | | | |
| | Recipient Mail Issuented to 171 | alarn#autsc-mbb | .de | | | |
| -Seteman | SMS data (provider dependend) | | | | | |
| | Peceried | | | _ | | |
| | | | | | | |
| 20 | Reserved | | | | | |
| B | Received Characteriset (Weetows 1252) | | | | | |
| E Cal | Record Characteret (Windows 1252) No. Select Exercs | | | 4 | Options | |
| C.C. | Pesaned Characterist (Windows 1252) No. Select Evence 0 (4) Fair Antiberized trook | ing | | 4 | Options | |
| Find two | Record Charactered (Wrebwe 1252) No. SelectExerce 0 40 isr Actorised book 1 40 isr Actorised book | Ling | | 11 | Options | |
| Fred trans | Recenct Characterist (Weekwis 1252) No. Select Evence 0 III ar Archerited book 1 III sel Fice D even 2 III set D card unknown | ing . | | 11 | Options 1 Use special characterist 2 Activated with Attributes AI. A4 (SY.0-1) | |
| Fred Parts | Roomed Characterist (Weakwes 1252) No. Selett Exerce 0 Image: Select Sel | ting 4 4 | | 21 | Options 1 Use special stansformst 2 Activenet with Attributes Af. A4 (SVID-1) 3 Personald | |
| Find two | Record Characterist (Weedows 1252) No. Select Exerct 0 will ser Arbitrized book 1 will ser Arbitrized book 2 Will ser D card unknown 3 will be card unknown 4 will be card unknown 5 will ser D card take be | ting 4 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | | 21 | Options 1 Use special standards 2 Activated with Attributes AI A4 (\$Y.0-1) 3 Resented | |
| Findhese Renderese Automation | Phoned Churacterist (Weekwis 1252) No. Select Enviro. 0 ∉ 1 = 2 Arkthorized hook 1 € 1=1 Arkthorized hook 2 € 1=1 Arkthorized hook 3 € 1=1 Cardia and 4 € 1=1 Cardia and 5 € 1 with D card has bee 5 € 1 with D card has bee 6 € 1 with D card has bee | ting 4 Looocreol m bioclosid Lid | | <u>an</u> | Options 1 Use special characterised 2 Activated with Attributes Af. A4 (SY.0-1) 3 Personed 4 Attributes Af. A4 (SY.0-1) | |
| Readbases Academics | Rosened Characterised (Weenews 1252) No. Select Evence. 0 Select Evence. 1 Select Evence. 2 Select Evence. 3 Select Frame ID wrong. 4 Select Evence. 5 Select Evence. 6 Select Evence. 7 Select Evence. | ing de Lécotroit int iet et valid | | 1 | Dyttens 1 Use special characternet 2 Activated with Attributes A1, A4 ((51.0-1) 3 Reserved 4 Reserved 6 Reserved | |
| Findhase Rindhase Alastrase NUTC-Param | Rosened Characterist (Weenwein 1252) No. Seint Everon 0 Int. Archarized book 1 Seint Everon 2 Int. Archarized book 3 Int. Checkslight wron 4 Sein Version onseter 5 Int. Checkslight wron 6 Int. Checkslight wron 7 Sein Version onseter 8 Sein Unit check book 9 Sein Unit check book 9 Sein Unit check book 9 Sein Unit check book 1 Sein Version onseter 2 Sein Unit check book 3 Sein Unit check book 4 Sein Unit check book 5 Sein Unit check book 6 Sein Unit check book 7 Sein Unit check book 8 Sein Unit check book 9 Sein Unit check book | ring n decouract m blocked id et valid and | | A.1 | Options 1 Use special characterret 2 Activated with Attributes AI. A4 (SY.0-1) 5 Resented 6 Robumed 6 Robumed | |
| Findhan Alamag | Phoned Characterist (Weakwis 1252) No. Select Events 0 ∉ 1 set Archerized hook 1 € 1st Fries ID woog 2 € ast D card unknown 3 € in: Checkelistis wood 4 € 1st D card tak bee 6 € 1st ID card tak bee | ting 1 1600C1001 10 10 10 10 10 10 10 10 10 10 10 10 | | 4 | Options I Use special characteriset Z Activated with Attributes Af. A4 (51/0-1) S Paramet 4. Paramet E Paramet E Paramet | |
| Anarran | Rosewit Characterist (Weedwein 1252) No. Seist Enviro. 0 | ing 4 1600creot Lice et valid and vvil | | 47 | Options I Use special stancturnet 2 Activated with Attributes Af. A4 (5Y.0-1) 3 Poissned 4 Poissned 5 Poissned 8 Poissned 1 E Resenant 7 Poissned | |
| Autores RotzParen | Roomed Characterist (Weenwein 1252) Mo. Selet Excess 0 If is a Archorised book 1 Is a Price ID ecces 2 Is a Price ID eccess 3 Is a Price ID eccess 4 Is a Price ID eccess 5 Is a D card back on two 7 Is a D card back on two 7 Is a D card to long 1 Is a Process on all long 2 Is a Process on all long 9 Is a D card to long 1 Is a Roman son all long | a g Léocrat n bioclad ide e valut and wel | | | | |

Fig. 17: The menu Alarming

Meaning of the input fields of the menu Alarming

| Offline alarming by Mail and/or SMS : (Top) | Defining the type of alarming. |
|--|--|
| Offline alarming by Mail and/or SMS : (Middle) | Defining of receiver address and used character set. |
| Offline alarming by Mail and/or SMS : (Bottom) | Defining the types of alarms that will be send. (Pushing the button 'NR' all hooks are set.) |

EPA_K32.doc

3.6 LINUX-Parameters



The menu *Linux-Param* is used as a control window to monitor or modify files in the K32/K32lite.

| Watstan (M) | | | | | |
|---------------------|---|---|-----------------|---------------------------|------------------|
| 4 | I | | | | |
| Z | IP-Address (/k32d/wyp.da Default Gateway IP (/k32d | t) //////////////////////////////////// | | Change Setting | |
| | /k32p/autuoxec | | | | 3 |
| Tere-Schedules | 고 /etc/Initrab | | | | لئر ال |
| Finition Alaming | | | | | ك لكر لكر |
| UND-Para | /etc/profile | | | | |
| | 121 | | | | ل ^ت ك |
| O JACLED | 102 568 2 100 | 8777.23 | 14403 Antribute | n upleaded from K32/DS32. | |

Fig. 18: The menu LINUX-Parameters

4 ACL32 download-files

All user defined values (definition of card readers, time schedules, routines and so on.) are stored from the system into K32-parameter-files. Each door controller the following files are stored with the corresponding hardware address (Example: K32A0 for K32 No. 0; K32A1 for K32 No. 1 ...):

K32A.a32 => holds Attribute values K32M.a32 => holds Mail addresses K32P.a32 => holds Parameter values K32R.a32 => holds Routines K32S.a32 => holds Set points K32T.a32 => holds Trend values K32Z.a32 => holds Time schedules

5 Document history

| 24.05.07 | Format and spelling |
|----------|---------------------|
| | |

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