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1 Contents

The Siedle Vario bus

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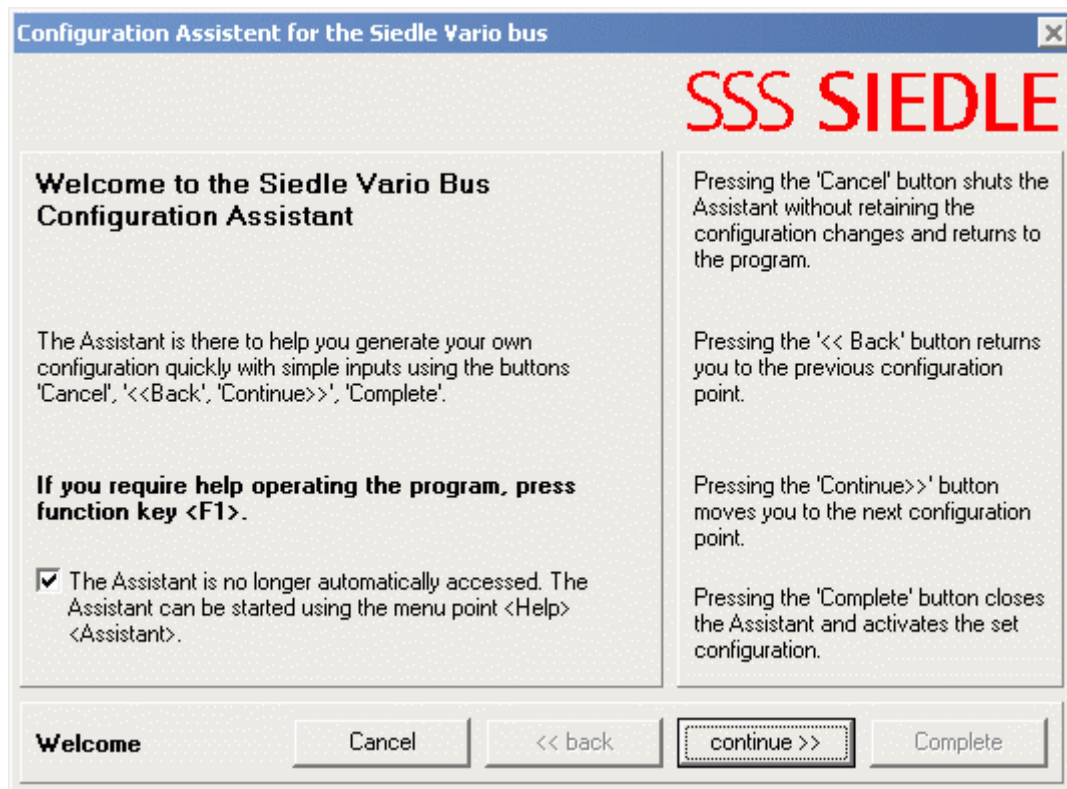
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2 The Siedle Vario bus

2.1 General information on the Siedle Vario bus

If required, the [Configuration assistant](#) can be used.



If you do not wish the assistant to be displayed when you next start up, click onto the bottom left of the selection box.

The next time you start up in future, the following window will appear (see below).
The screen of the configuration program is broken down into four basic sections:

 Menu bar

 Tool bar

 Selection tree

 Input section

Siedle Vario Bus configuration program - Data management\Customer data

File Data record RC Extras EC Extras Data transmission Setup ?

Data management
 Customer data
 Project data

Customer data

Customer no. 0002
 Company Company
 Department
 Street
 Post code / Town
 P.Code / P.O.Box
 Country

Contact partner

Form of address
 Title
 First name
 Surname
 Function
 Department
 Telephone
 Telefax

Customer data

Customer no.	Company 1st	Company 2nd	First name (contact)	Surname (contact)
0001	Testkunde			
0002	Company			
0003	Entreprise			
0004	Ditta			
0005	Firma			
0006	Firma			

2.2 Units at the Siedle Vario bus

2.2.1 Overview

Click onto the unit for which you require help.

- [BIM 650-...](#) Interface between the Siedle-In-Home bus and the Siedle Vario bus
- [COM 611-...](#) Code lock module
- [DIM 611-...](#) 2-line display module
- [DRM 611-...](#) 4-line display call module
- [EC 602-...](#) Easikey controller
- [ECE 602-...](#) Easikey controller extension
- [ELM 611-...](#) Electronic key read module
- [FPM 611-...](#) Fingerprint module
- [RC 602-...](#) Call controller
- [RCE 602-...](#) Call controller extension

2.2.2 BIM 650 - The bus interface module

The bus interface module links the Vario bus with the Siedle deluxe bus. It executes calls which appear on the Vario bus (e.g. from a COM or DIM) in the deluxe bus. This unit can be programmed using the software BPS 650 at the PC. Here, a logical call number can be assigned to every telephone from the Vario bus.

2.2.3 COM - The code lock module

The code lock module is an input unit in the Vario design for the placement of codes for door calls and control functions in conjunction with the Siedle Vario bus. To manage door calls, call controller [RC 602-...](#) is required, and for control functions, the Easikey controller [EC 602-...](#) is required.

There is a numerical keypad available with the digits 0-9 for entering codes, a call button for placing calls, an F key for placing codes, a C button for cancelling/interrupting incorrect inputs and a key symbol button for direct door opening without code input. The integrated LED can be used as a status display e.g. to indicate an activated alarm system.

Successful actuation of a button is confirmed by an acoustic feedback (bleep tone).

Up to 8 COM 611-... units can be operated at one EC/RC 602-... . A unique address is always required for each COM 611-... if there are several COM 611-... units connected to one EC/RC 602-... .

The address can be set from 1 to 8 using the BCD rotary switch at the back of the COM 611-... .

Entering the settings 0 and 9 or entering double numbers cause a failure of the COM 611-....

2.2.4 DIM - The display module

The display module is an input unit in the Vario design for the placement of door calls. To manage door calls, the call controller [RC 602-...](#) is required. In addition, the customer-specific data stored in the [RC 602-...](#) is displayed using the DIM 611-... .

To operate the DIM 611-... there are 4 buttons available. Using the >> button, scroll alphabetically through the name index according to the starting letters to look for surnames. Using the > button, scroll within any one starting letter alphabetically through all the entered names. When the user you are looking for is displayed, pressing the bell symbol button will place a call to the displayed user. Using the key button, the Easikey controller EC 602-... can be actuated (e.g. door release). In addition, an external door release button can be connected. An EC 602-... is always required in the system for the door release function using the key symbol button.

Successful actuation of the buttons is confirmed by an acoustic feedback (bleep tone).

Up to 8 DIM 611-... units can be operated at one [RC 602-...](#). A unique address is always required for each DIM 611-... if there are several DIM 611-... units connected to one [RC 602-...](#) .

If a combination of DIM 611-... and COM 611-... is operated at a door loudspeaker, the user call / code number can be displayed if entered via the COM 611-... at the DIM 611-... . For this function, the same address must be set at both modules.

The address can be set from 1 to 8 using the BCD rotary switch at the back of the DIM 611-... (default setting "1"). Entering the settings 0 and 9 or entering double numbers cause a failure of the DIM 611-....

2.2.5 DRM - The display call module

DRM 611-...

The display call module is an input unit in the Vario design for the placement of door calls. To manage door calls, **no** call controller is required. In 1+n systems, a call controller [RC 602-...](#) is only required for the call function (connection of call voltage). The names are managed exclusively in the relevant DRM 611-....

To operate the DRM 611-... there are 3 buttons available. Use the left-hand button (arrow up) to scroll alphabetically backwards through the name index. Use the right-hand button (arrow down) to scroll alphabetically forwards in the name index. When the required user is selected, press the bell symbol button to call the displayed user.

Successful actuation of the buttons is confirmed by an acoustic feedback (bleep tone).

External door release button

It is possible to connect an additional external door release button. For this door release function, an EC 602-... is always required in the system.

Address setting

Up to 8 DRM 611-... units can be operated in a Vario bus system. A unique address is always required for each DRM 611-... . If a combination of DRM 611-... and COM 611-... is operated at a door loudspeaker, the user call / code number can be displayed if entered via the COM 611-... at the DRM 611-... For this function, the same address must be set at both modules.

The address can be set from 1 to 8 using the BCD rotary switch at the back of the DRM 611-... (default setting "1"). Entering the settings 0 and 9 or entering double numbers cause a failure of the DRM 611-... / the DRM 611 module with the same address.

Temperature behaviour

In the case of external temperatures below zero degrees Celsius, the response time of the display slows down for technological reasons. This can temporarily result in an impairment of the display quality.

2.2.6 EC - The Easikey controller**EC 602-...**

The Easikey controller is used as an electronic evaluation system and switching unit in conjunction with the Siedle code lock module [COM 611-...](#), or the electronic key read module ELM 611-... . The EC 602-... is capable of managing up to 8 [COM 611-...](#) , 8 [ELM 611-...](#) , 8 [DRM 611-...](#) and 8 [FPM 611-...](#) units simultaneously. The EC 602-... provides two changeover contacts as switching outputs as well as two inputs. The relay contacts can be actuated by entering codes at the [COM 611-...](#), by reading in key / ID cards EKS 601-... / EKC 601-... at the ELM 611-..., by reading in fingerprints at the FPM 611-... or by actuating key-symbol buttons at the [COM 611-...](#) , [DIM 611-...](#) and [DRM 611-...](#). Certain codes and/or internal and external key symbol buttons can be enabled via two inputs either independently of each other, generally or on a time-controlled basis.

The relay pick-up time can be programmed from 1 second to 59 minutes and 59 seconds. By extending the EC 602-... with the Easikey controller [ECE 602-...](#) the two changeover contacts are extended by 6 working contacts.

2.2.7 ECE - The Easikey controller extension

The Easikey controller extension is used in conjunction with the Easikey controller EC 602, if more than two switching contacts are required. By extending the EC 602 with the ECE 602, the two changeover contacts are extended by 6 working contacts, making a total of 8 switching contacts available.

2.2.8 ELM - The electronic key read module

The electronic key read module in a Vario design is a no-contact access control system which can be used either as a stand-alone unit or in conjunction with the Easikey controller EC 602-... at the Siedle Vario bus. In stand-alone operation, the ELM 611-... manages a maximum of 9 users (electronic key EKS 601-... and/or electronic key card EKC 601-...) as well as a master card. It is possible to read in one or more users at different ELM 611-... units. The delivery scope of the ELM 611-... includes an EKC 601-... e.g. for use as a mastercard. To actuate for example a door release, a floating contact is available directly at the ELM 611-... in stand-alone operation.

In bus operation, the ELM 611-... serves as a reading unit. To manage the users and to actuate the outputs, an Easikey controller EC 602-... is required at the Vario bus. In this operating mode, up to 999 users are managed. A total of 8 control outputs are available with the Easikey controller extension ECE 602-... .

As in bus operation up to 8 ELM 611-... units can be connected to an EC 602-..., each ELM 611-... must be assigned its own address. Under the lid at the back next to the ribbon cable outlet is a BCD rotary switch for address setting from 1 to 8. Entering the settings 0 and 9 or entering double numbers cause a failure of the ELM 611-....

If there are several ELM 611-... units, a distance of at least 1 m must be observed between the modules.

2.2.9 FPM - The fingerprint module

FPM 611-...

The fingerprint module FPM 611-... in the Vario design is an access control system which can be operated both in stand-alone mode or also at the Vario Bus. In this system, a fingerprint which has been scanned in is used to actuate a function. A maximum of 100 user fingerprints can be scanned in – in bus operation exclusively with the aid of this programming software and the [programming interface](#). To operate the FPM 611-..., a biometric fingerprint scanner is available. By evenly drawing the user fingerprint over the scanner of the FPM 611-..., the access control is activated. A green LED indicates a successful access control process by rhythmic flashing, while a red flashing LED indicates a negative status.

Up to 8 FPM 611-... units can be operated at one [EC - 602-...](#). A unique address is always required for every FPM 611-... .

The address can be set from 1 to 8 using the BCD rotary switch at the back of the FPM 611-... (default setting "1")..

Remark

It is advisable for each user to scan in at least 2 different fingerprints, to ensure that access is enabled in the event of injury to one finger.

Due to missing or insufficient biometric features, it can happen that fingerprints cannot be scanned in, particularly in the case of children or the elderly.

Tips

- Only ever attempt to scan in a print on a dry finger
- The impression of the fingerprint should not be too large or too small
- The fingerprint should always be drawn over the sensor in the same way, and should not be positioned at an incline.
- Wherever possible, always scan the same part of a finger, e.g. when scanning in always place the start of the frontmost finger element on the sensor and gradually draw the frontmost finger section over the sensor.
- The evaluated part of the finger must not be too small (children's fingers may be too small)
- The skin can be changed by influences such as cosmetics, chemicals or abrasion/wear (workmen) to such an extent that evaluation is not possible.
- When using a [EC - 602-...](#) in conjunction with an [ECE 602-...](#) it is possible for different fingers to trigger different relay contacts, e.g. the index finger opens the door, the middle finger opens the garage door, and the little finger initiates an alarm.

2.2.10 RC - The call controller

The code controller permits the connection of up to 8 Siedle Vario door loudspeakers for code calls. For each door loudspeaker, the call is placed via a code lock module [COM 611-...](#) and/or via a display module [DIM 611-...](#) or [DRM 611-...](#). When using a [DRM 611-...](#) the RC 602-... is only required in 1+n systems for calling users. In the bus system, no RC 602-... is required. Direct calls can also be placed using call buttons at the door loudspeaker. One RC 602-... makes available 8 call outputs for connection of 8 users. By in-row mounting of a call controller extension RCE 602, a further 16 call outputs can be managed. A maximum of 31 RCE 602-... units can be mounted in row at one RC 602-..., meaning that a maximum of 504 call outputs can be connected. In total, up to 8 RC 602-... units can be connected to a Vario bus.

If more than one RC 602-... units are used in one system, to ensure reliable operation of the entire system a dedicated address number must be assigned to each RC 602-... . The address is set using the BCD switch integrated behind the cover flap. Numbers 1 to 8 are admissible as an address. If the code lock module [COM 611-...](#) is also used for control functions, or if you wish to use the key symbol button at the [DIM 611-...](#) and [DRM 611-...](#) (only ext.), the Easikey controller [EC 602-...](#) is also required.

2.2.11 RCE - The call controller extension

The call controller extension is used to extend the call controller [RC 602-...](#) in systems with more than 8 users. An RCE 602-... makes available 16 call outputs. A maximum of 31 RCE 602-... units can be mounted in row at one [RC 602-...](#), meaning that a maximum of 504 call outputs can be connected.

2.3 Functional characteristics of the Siedle Vario bus

2.3.1 Switching and control functions / codes

Switching and control functions can be executed in conjunction with the Vario bus via the [ELM 611-...](#), [FPM 611-...](#), [DIM 611-...](#) (int./ext. door release button), [DRM 611-...](#) (ext. door release button) or the [COM 611-...](#) (int./ext. door release button + control functions). For this, the distribution must contain one [EC 602-...](#) in any event and an additional [ECE 602-...](#), for more than two switching outputs.

2.3.2 Calling

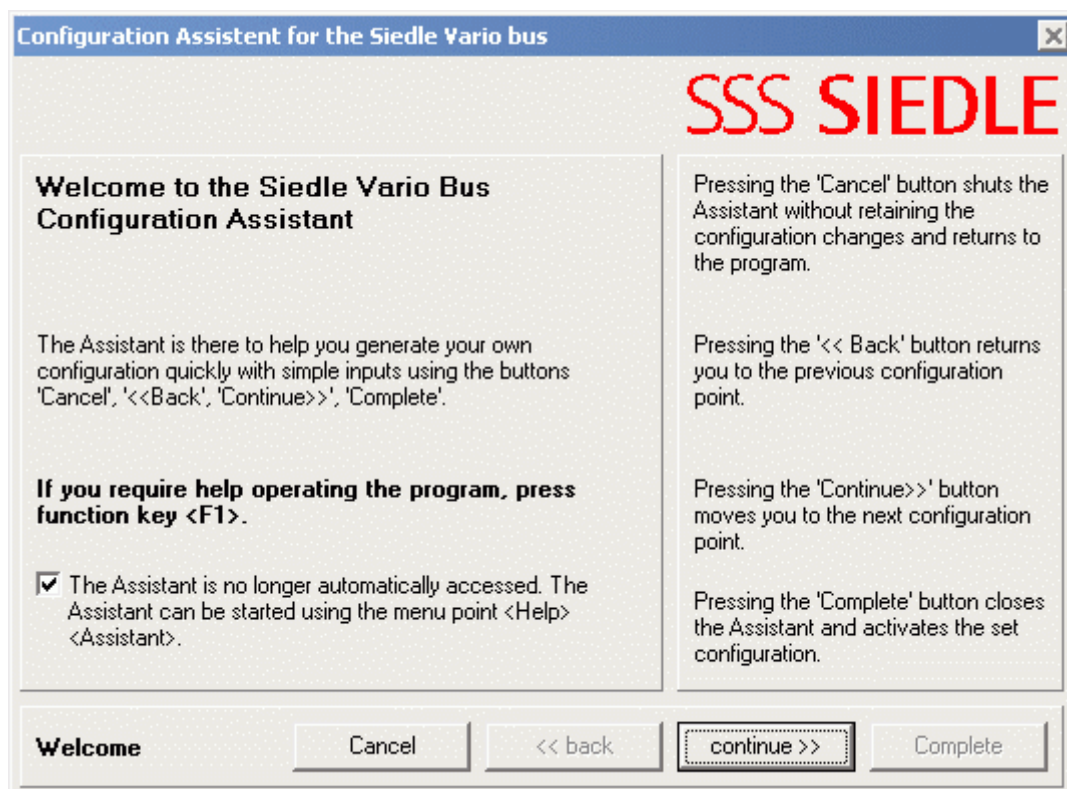
Call functions can be executed in conjunction with the Vario bus via [DIM 611-...](#), [DRM 611-...](#), [COM 611-...](#) or TME 640-... .

In a Siedle 1+n system, the [RC 602-...](#) is required for actuation of the in-house telephone receiving the call, and in for the In-Home bus the BIM is required for calling.

3 The configuration program PRS 602-...

3.1 PRS 602-... General information

If required, the [Configuration assistant](#) can be used.




If you do not wish the assistant to be displayed when you next start up, click onto the bottom left of the selection box.

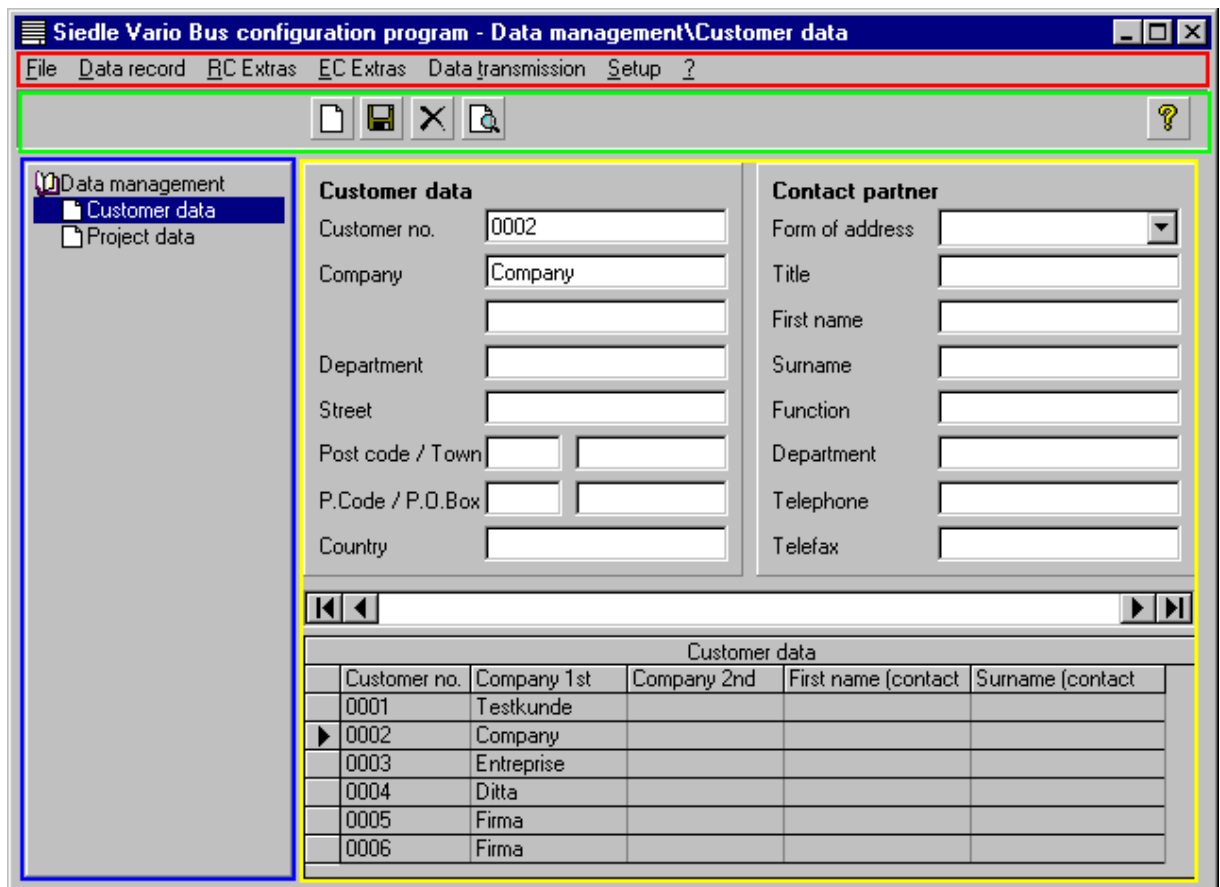
The next time you start up in future, the following window will appear (see below).
The screen of the configuration program is broken down into four basic sections:

 [Menu bar](#)

 [Tool bar](#)

 [Selection tree](#)

 [Input section](#)



Customer data				
Customer no.	Company 1st	Company 2nd	First name (contact)	Surname (contact)
0001	Testkunde			
▶ 0002	Company			
0003	Entreprise			
0004	Ditta			
0005	Firma			
0006	Firma			

3.2 PRS 602-... How do I create a configuration

Creating a configuration starts by generating or selecting a client.

Once you have done this, the best way to proceed is to follow the sequence given by the configuration tree from top to bottom.

What can be programmed under the individual points is explained in detail under:

[What do I program under the individual configuration points](#)

3.3 The configuration assistant

Start the assistant by pressing the key combination CTRL + A.

Note: In the current version, the assistant is not capable of programming the FPMs / DRMs.

The assistant will guide you step by step through the complete configuration.

The window of the assistant is divided throughout into three sections:



This is the input section in which the different settings can be made.



In this section you will find explanations on each of the boxes to be filled in. These explanations are located at the same height as the relevant input box.



This is the control area (see below).

Assistant control functions:

There are four buttons available for control functions within the assistant:

1. Cancel: If you click onto this button, you will quit the assistant without adopting any of the settings you have entered.
2. Continue: If you have made all the settings you require in one mask, clicking on this button will take you to the next configuration point.
3. Back: If you wish to make changes to configuration points you have already processed, use this button to return step by step back through the configuration points.

Configuration Assistant for the Siedle Vario bus

Switching contact 1 called in this project:

Switching mode
☒ Local
☐ Global

Switching time:
 min sec

☒ Define more switching contacts
☐ Do not define any more switching contacts

You can use this field to specify the name of the switching contact. This setting has no effect on programming.

Specify whether this switching contact is to be used as a global or local switching contact. A local switching contact can only be actuated from its designated door, a global contact from all doors.

In these two fields, enter the switching time for this contact.

Select whether you wish to configure the following switching contacts. This does not cancel already completed settings.

EC Swt. contacts Cancel << back continue >> Complete

Configuration Assistant for the Siedle Vario bus

RC number	Terminal to	Terminal
RC 1	RC	7.1

Baker, Malcolm
TO CALL PRESS 4

Logic number
1

☒ Carry out a new entry

- ☒ To next/previous terminal
- ☐ To this terminal

☐ Scroll through existing entries
☐ Quit RC entries

This line contains the terminal to be configured.

Enter the name in these fields. Even if you have no DIM in the system, you must enter a name. This name will help you later when assigning call numbers.

Enter the call number in this field if you wish to call with the COM, otherwise leave this field blank. It is then automatically filled in.

With these fields, define how the Assistant responds when you press the buttons 'Continue>>' and '<<Back'

RC entries Cancel << back continue >> Complete

3.4 The menu bar

Select the menu point for which you require assistance

File

- Printer setup
- Print
- Data save
- Data backup
- Close

Data record

- New
- Save
- Delete
- Reset
- Search
- Delete all data records

RC Extras

- Define standard text
- Use standard text
- Generate test table
- List view

EC Extras

- Read in ID card
- Scan fingerprint
- List view

Data transmission**Read data from bus**

Unit list
RC
EC
DRM

Write data via bus

RC
EC
DRM

Read from chip card

RC

Write to chip card

RC

Set-up

Programming interface
Chip card reader
Password

?

Contents
Assistant
Info

3.5 The tool bar

Click onto the symbol for which you require assistance.



New data record



Save data record



Delete data record



Reset data record



Search data record



List view



Read in ID cards via bus



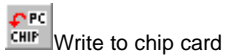
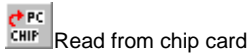
Scan fingerprint



Read data from bus



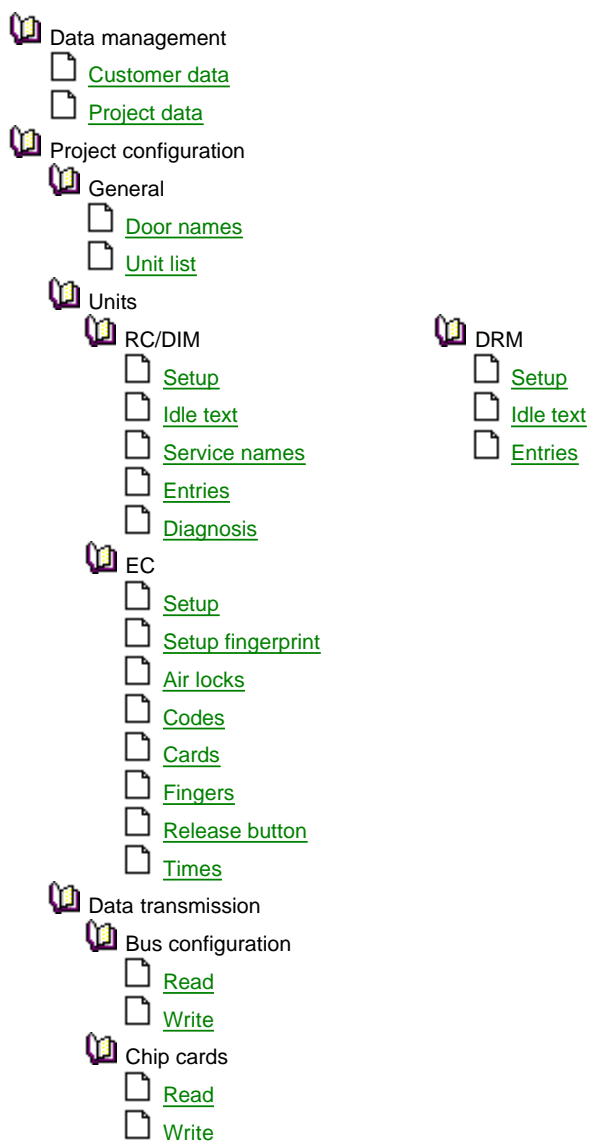
Write data to bus



3.6 What do I program under the individual configuration points

3.6.1 Overview

Select the relevant configuration point:



3.6.2 Data management


3.6.2.1 Customer data

Here, you can enter your customer data. On the left-hand side enter your company data and on the right-hand side your contact. The only mandatory information is a unique customer number. All other


fields can be but do not have to be filled in. To allow you to locate the customer more easily later on, it is advisable to fill in at least the box Company.


In the bottom half of the input window, a clear tabular overview of all entered customers is provided. By clicking into a box containing the required customer with the mouse, the data in the selection window is adopted.

Procedure:

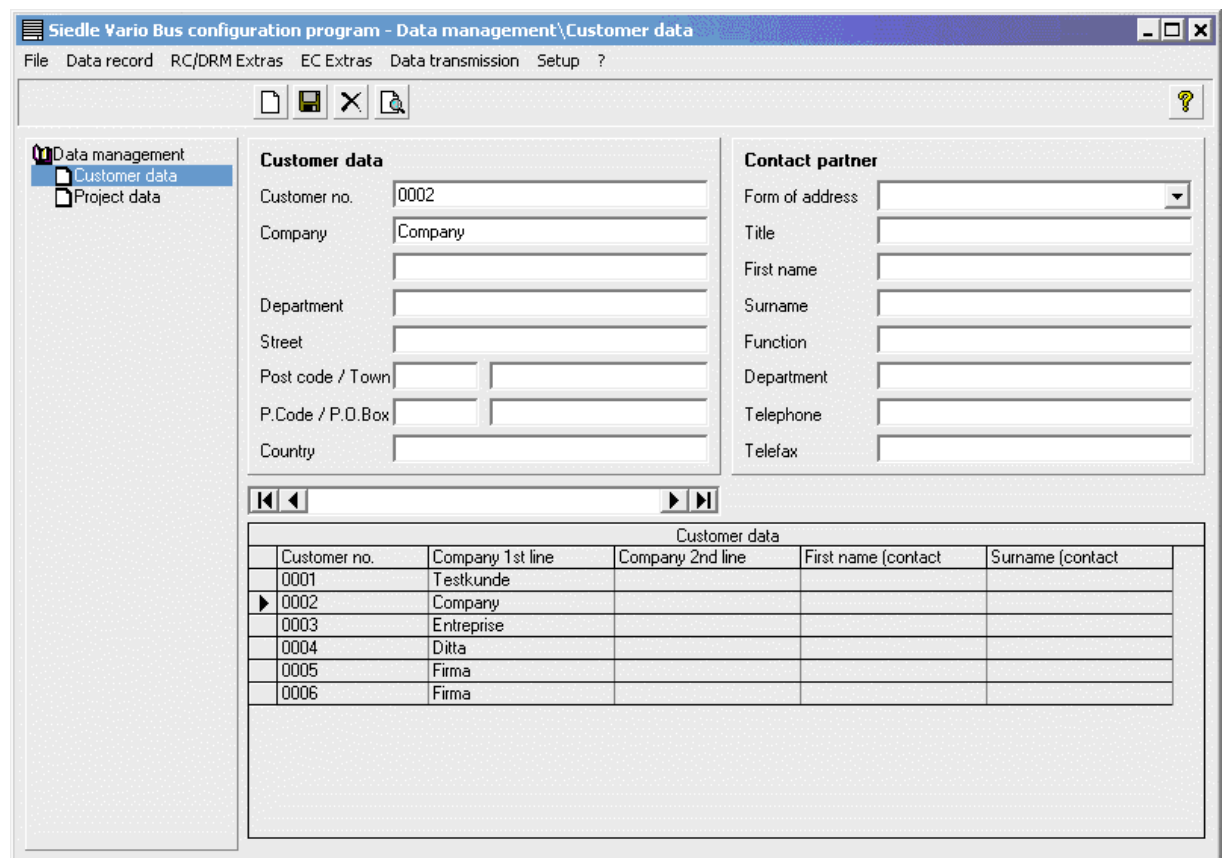
To create a new customer, either click in the tool bar on  or in the menu **Data record** select **New**. You can then enter the required data.

An existing customer can be selected by clicking into the customer list or searching in a search

window. To search for a customer, press the symbol  or select the command **Search** in the **Data record** menu.

To save the customer, press  or select the **Save** command in the **Data record** menu.

Click in the mask onto the point for which you require information or return to [Overview](#)



Siedle Vario Bus configuration program - Data management\Customer data

File Data record RC/DRM Extras EC Extras Data transmission Setup ?

Customer data

Customer no. 0002

Company Company

Department

Street

Post code / Town

P.Code / P.O.Box

Country

Contact partner

Form of address

Title

First name

Surname

Function

Department

Telephone

Telefax

Customer no.	Company 1st line	Company 2nd line	First name (contact)	Surname (contact)
0001	Testkunde			
0002	Company			
0003	Enterprise			
0004	Ditta			
0005	Firma			
0006	Firma			

3.6.2.2 Project data


In the configuration point Project data, you are asked to enter your project data. This data is important to allow you to later assign a programmed configuration to a specific project. The project number is also mandatory. All other boxes can be but do not have to be filled in.


In the mask area **Current customer** you can see which customer you are currently creating a project for. Under this you can see the tabular view of all entered customers. By clicking onto a certain customer you can quickly change to this customer and create a project for it, so bypassing the configuration point [Customer data](#). At the very bottom of the input area you will see a list of all projects existing for the current customer. Here, too, you can select every project by clicking onto it.

Procedure:

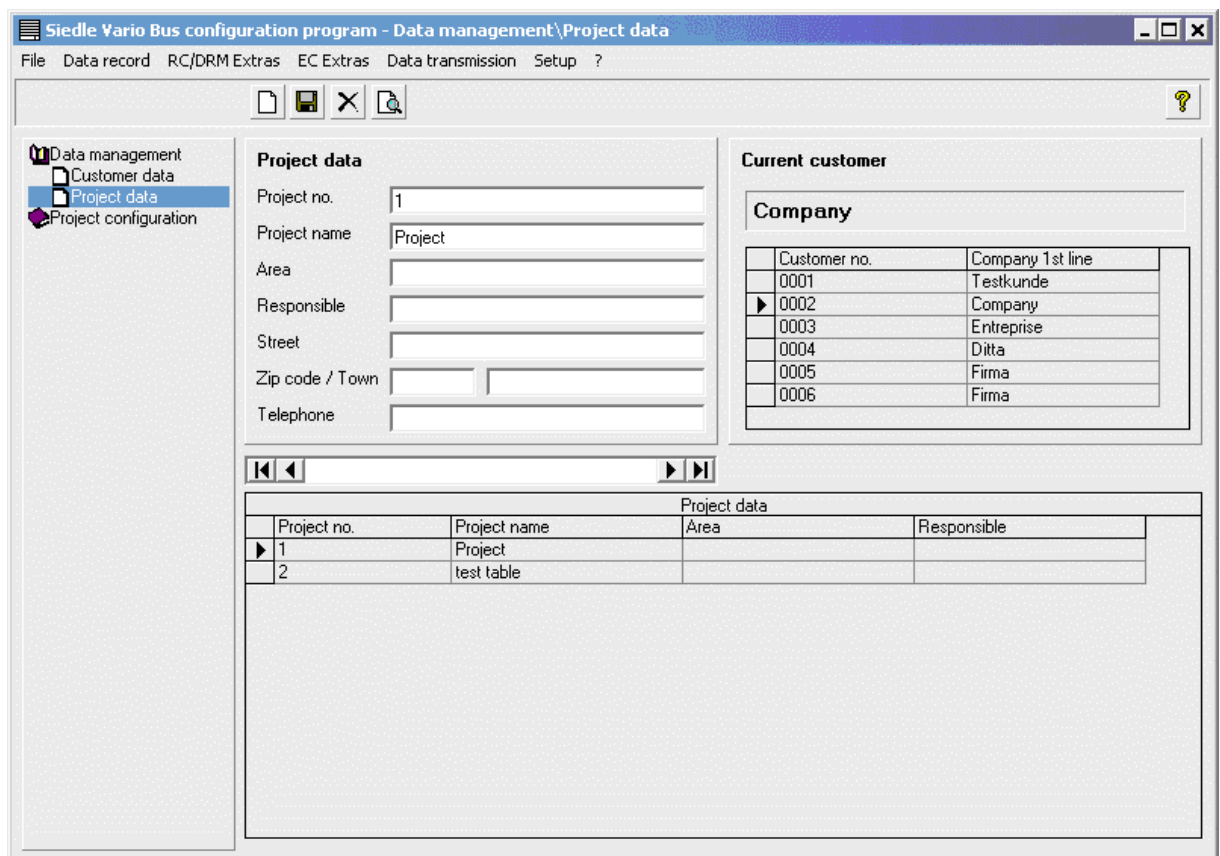
1. You first have to decide whether you wish to create a new project or process an existing one.

2. If you select an existing project for the current customer, you can immediately proceed with [Project configuration](#). (You can naturally also make changes to the project data)

3. To create a new project, click on  or select the command **New** in the menu **Data record**. If no project yet exists for the current customer, a new project is automatically created and you can bypass this step.

4. It is now possible to enter the required data and to save the data with  or using the menu command **Save data record**.

Click in the mask onto the point for which you require information or return to [Overview](#)



Siedle Vario Bus configuration program - Data management\Project data

File Data record RC/DRM Extras EC Extras Data transmission Setup ?

Project data

Project no. 1

Project name Project

Area

Responsible

Street

Zip code / Town

Telephone

Current customer

Company

Customer no.	Company 1st line
0001	Testkunde
0002	Company
0003	Enterprise
0004	Ditta
0005	Firma
0006	Firma

Project data

Project no.	Project name	Area	Responsible
1	Project		
2	test table		

3.6.3 Project configuration

3.6.3.1 General


3.6.3.1.1 Door names

In the configuration point Door names, you are asked to enter door names. These names are then used in the following programming masks. They are used solely for improved orientation in the configuration of your system and have no influence on the units being programmed.


Procedure:

1. Click into the box for the door whose name you wish to change and write the required text into it (e.g. main entrance, side entrance or similar). The text should not be too long, however, as otherwise it cannot be fully displayed.

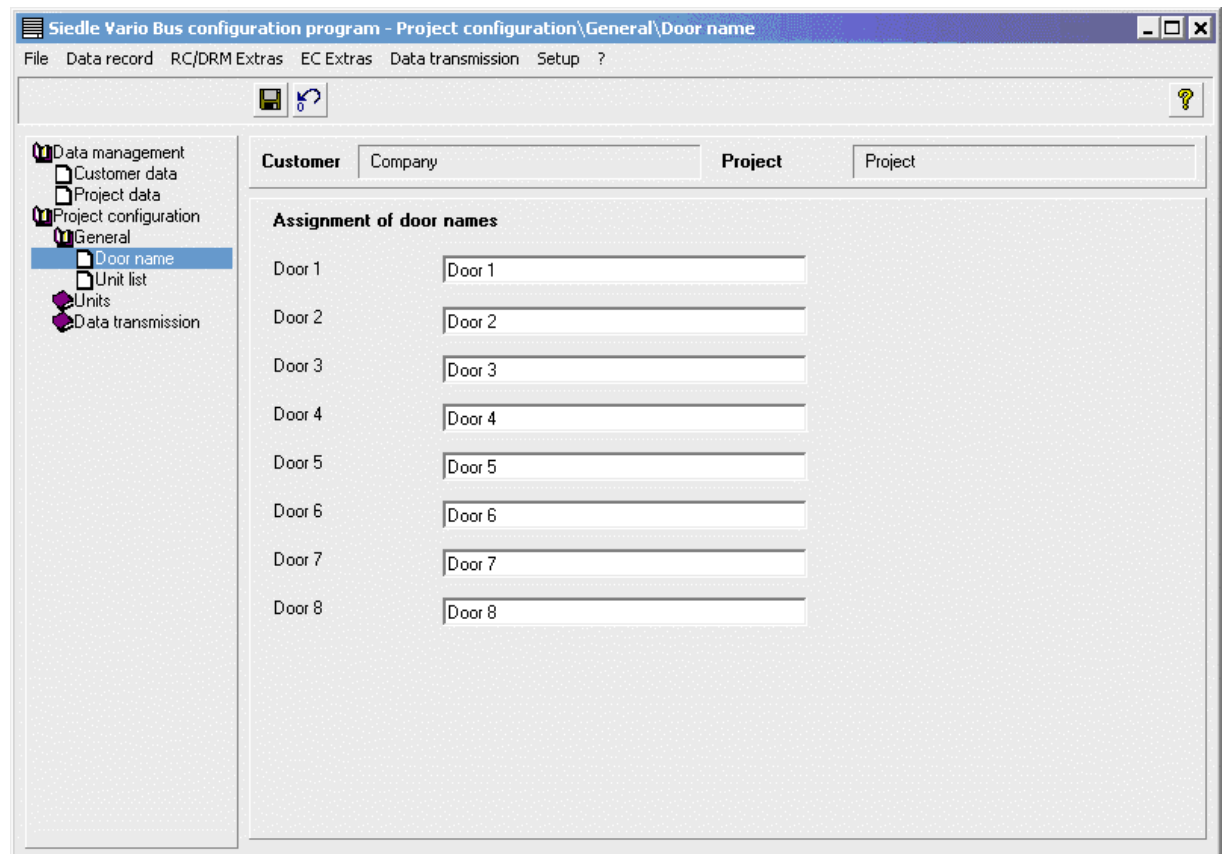
2. Repeat the first step for all the door names you wish to change.

3. Save your entries with  or using the menu **Data record**, command **Save**.

4. You can now continue with the configuration point [Unit list](#)

If you wish to restore the original names (i.e. door 1, 2...) click  or **Reset data record**.

Click on the relevant point on which you require information or return to [Overview](#)




3.6.3.1.2 Unit list


In the configuration point Unit list, you are asked to specify the units existing in your system.

In the upper part of the input area, the program once again informs you for which customer you are currently processing which project.

Procedure:

1. You can either enter the units manually or, if you have connected the PC or the interface to the Variobus, you can read in the units from the bus. To do this, click onto the symbol  or use the relevant Menu command. In this case, you can bypass points 2-5 and save the data directly as described under point 6. To enter the units manually, please follow these steps.
2. By clicking, select all units existing at the doors (the door) in sequence. You will recognize selected components by a tick in front of the relevant unit. The number indicated in the units corresponds to the address you should set at the units using the BCD switch (see also [Units at the Siedle Vario bus](#))
3. Now select the existing [RC 602-...](#) as described above. As soon as you have selected an RC 602-... you can specify how many call controller extensions [RCE 602-...](#) are connected to the relevant RC 602-...
4. You can now specify whether there is also an Easikey controller [EC 602-...](#) present in the system. If the EC is selected, you can also determine whether you use an Easikey controller extension [ECE 602-...](#)

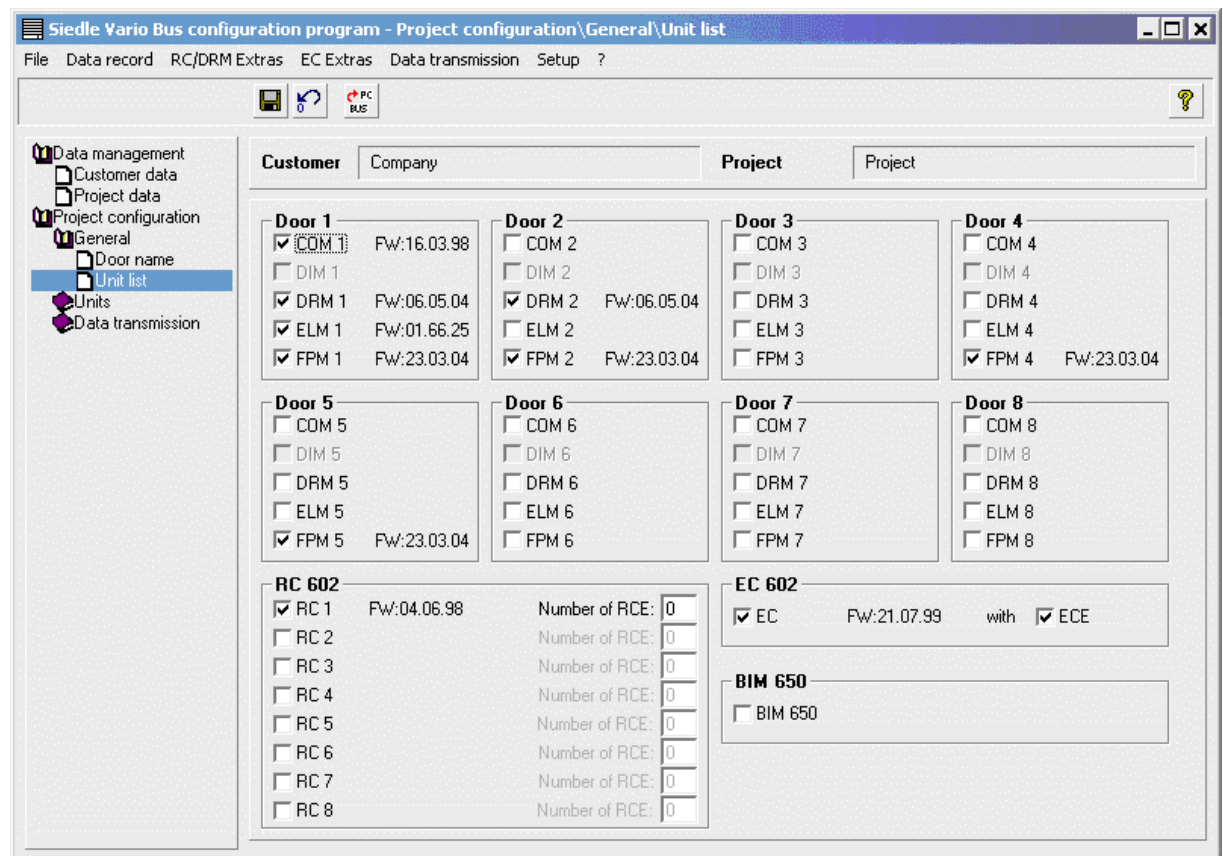
5. Select all other units by clicking.

6. When you have entered all the necessary information, save your settings with  or the menu command **Save data record**.

7. You can now continue with the next configuration point. Depending on which units you have specified in the unit list, this can be the configuration point [RC-Setup](#) or [EC-Setup](#).

If you wish to restore the original status, click onto  or select the menu command **Reset data record**.

Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2 Units

3.6.3.2.1 RC/DIM

3.6.3.2.1.1 RC - DIM Setup

The configuration point RC-Setup is used to define the type and functional characteristics of the RC/DIM system. For this, define the system type, the language you wish to use and the DIM functional characteristics.

For the system type, you can choose between a Siedle 1+n 711 system, a Siedle In-Home bus system or a Siedle Multi-System. This setting influences the way in which the RC entries and the RC service names are programmed.

With a Siedle 1+n 711 system, each entry must be assigned to a contact at the RC and a logical number issued. You can also assign several entries to the same contact at the RC, although the logical number must be unique.

With the other two system types, no contacts are assigned to the entries, as here the calls are

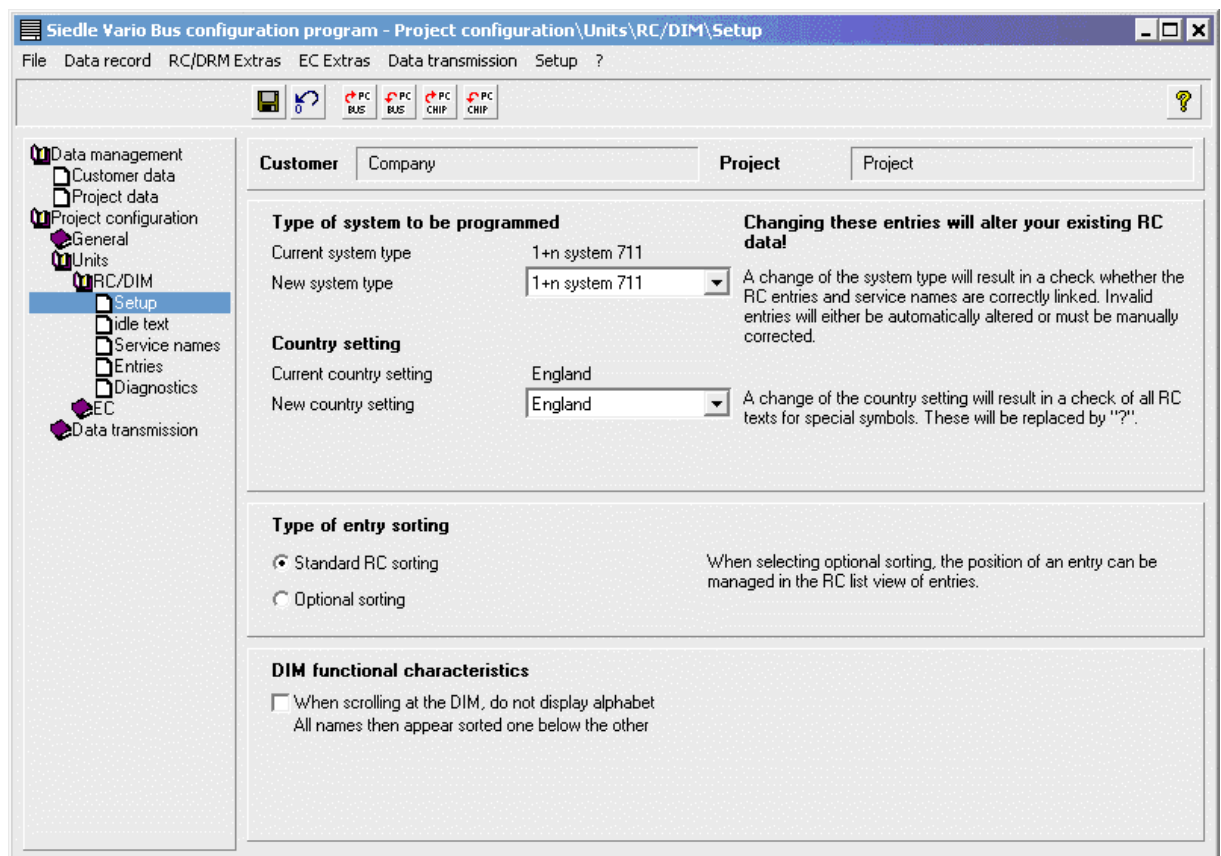
forwarded to a different bus system. With these system types, the logical number is no longer unique, i.e. it is possible to assign the same [logical number to several entries](#). However, bear in mind that a change to the system type has serious repercussions on your existing RC programming. If your configuration is a Siedle 1+n 711 system, and if you change to a different type of system, your terminal definitions (terminal assignment) will be lost. If you change to a Siedle 1+n 711 system, it can happen that the same logical numbers occur more than once. These invalid entries must then be corrected. To help you do this, a Window with the invalid entries is displayed.

With the country setting, you can change the available set of special symbols at the DIM and the way in which the entries are sorted. However, please note that changing the language replaces all special symbols in your existing configuration to a "?".

Under the functional characteristics of the DIM, you can choose between two different ways in which the entered users are displayed at the DIM 602-... . The following two display possibilities exist:

1. To reach the required user, first select the relevant starting letter with the >> button. You can then scroll through the users starting with this letter using the > button (cf. [DIM 611-...](#)). This mode is particularly suitable for properties with a large number of residents, as it accelerates the search for a particular name. If you wish to set this display mode, the option box "Do not show alphabet when scrolling at the DIM" should not be ticked.
2. In the second display mode, all entered residents are shown straight away in alphabetical sequence. You can search the list with the aid of the > button by clicking your way through each user. The >> button is not used. Particularly where the system does not contain many users, this search method accelerates the process of finding the user you are looking for in the DIM 611-.... If you wish to set this mode, tick the box "Do not show alphabet when scrolling at the DIM".

Click on the relevant point on which you require information or return to [Overview](#)




3.6.3.2.1.2 RC - DIM Idle text

Using the DIM idle text configuration point, it is possible to change the idle text displayed in the DIM 611-... . This text is displayed at the [DIM 611-...](#) when in its idle status, i.e. when the user approaches the unit and has not yet made any entries.

There are a total of 6 lines available with 16 characters each, which are shown alternately. The text is intended to explain operation of the DIM 611-... to users who are not familiar with the system.

The alternating display can be checked in the window **DIM idle text preview**.

Procedure:

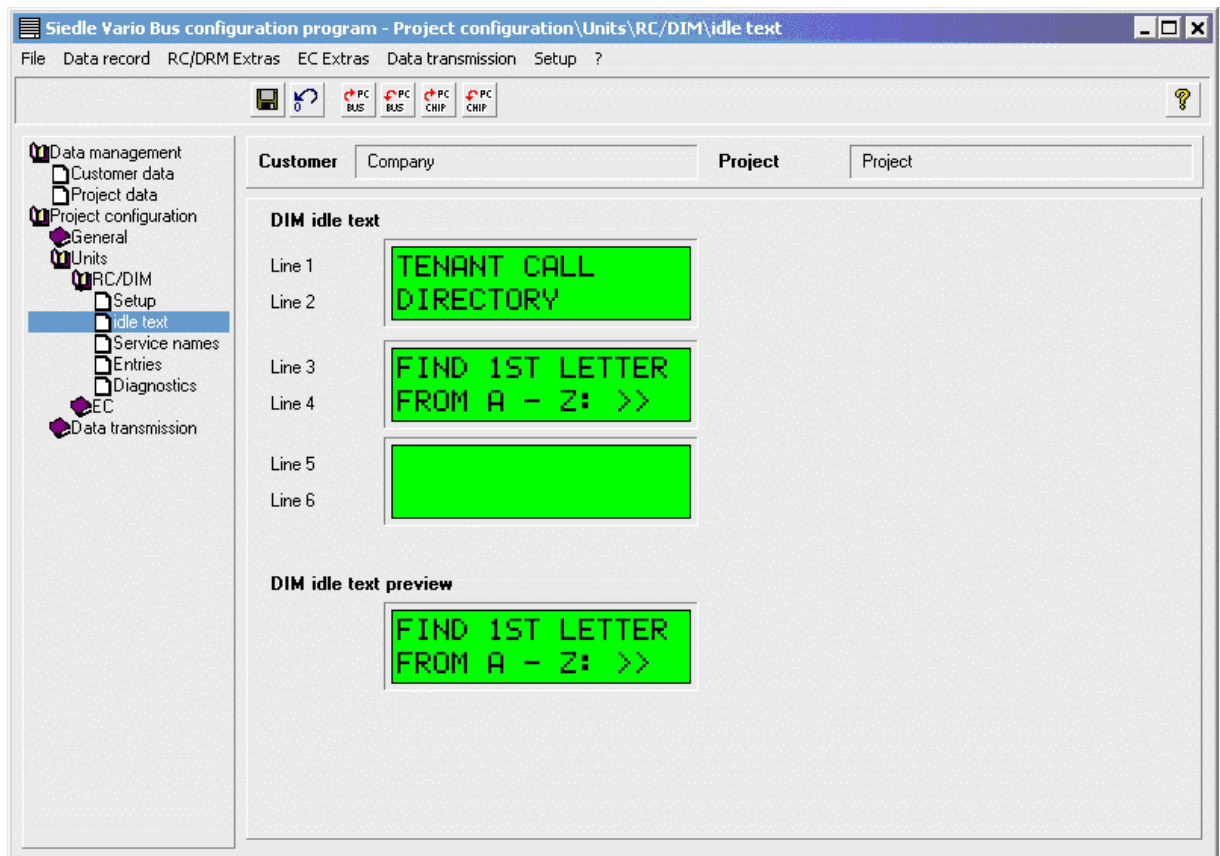
1. The default text set in the factory now appears in the individual lines depending on the country setting.
2. If you wish to change the texts, you must initially delete the existing text. This is done by selecting the entire line with the mouse and pressing **Delete** on your PC keyboard.
3. You can now enter the new text and view the result in the preview window.
4. Repeat the last two steps to change all the required lines.
5. If you are satisfied with the result, save your inputs with  or the menu command **Save data record**.

If you wish to restore the default text, click onto  or select the menu command **Reset data record**.

Entering special symbols:

At the same time as this configuration point, the Special symbol window also appears. Using this window it is possible to insert a special symbol in the cursor location by clicking onto it. If you have closed the special symbol window, you can open it again with F5.

Click on the relevant point on which you require information or return to [Overview](#)




3.6.3.2.1.3 RC - Service names

In the Service names configuration point, it is possible to program service names. As service names, it is advisable to enter those users who have to be reached frequently or quickly, as the service names are not listed in alphabetical order like the normal entries, but appear directly under the point INFO when scrolling at the DIM. A maximum of 5 service names can be entered. Users who should sensibly be included under this category are the caretaker, or a doctor's practice located in the building etc..

At the same time as this configuration point, the Special symbol window also appears. Using this window it is possible to insert a special symbol in the cursor location by clicking onto it. You can move and close the special symbol window. If you have closed the special symbol window, you can open it again with F5.

Using this configuration point, under the menu **RC Extras** the commands **Define standard text** and **Use standard text** are available. These can be used to define whether lines 2 to 4 (for each entry 2 lines of text are displayed during the search and 2 lines after the call) should carry the same text for all service names, and how these texts should look.

Procedure:

1. Using the menu command **Use standard text** define whether the standard text should be used for the new service names. If you do not define a standard text of your own, the default standard text is used, although this can be edited using **Define standard text**.
2. In order to create a new service name, click onto the symbol  or use the menu command **New data record**.
3. It is now possible to enter the required text into the individual lines. Please note that new text is entered not by overwriting an existing text but by deleting it first. If you use the default standard text, all you need to do is to enter the name, e.g. caretaker, in the first line.

The following points differ depending on which type of system you have defined under configuration point [RC Setup](#). The points 'a' apply to a Siedle 1-n 711 system, points 'b' to a Siedle In-Home bus system or a Siedle Multi System.


4a. When you have entered the required texts, you can indicate in the boxes "**Connect to**" the physical terminal to which the user displayed as the service name is connected. For more detailed information on this, please click onto the relevant boxes.

4b. This point is omitted. The boxes for the physical terminal are not available in this system type.

5a. It is now possible to enter the logical number. The 1-8 digit logical number must be unique, i.e. a number cannot be assigned twice. It corresponds to the call number of the user when using a [COM 611-...](#) If you do not enter anything into this box, the program automatically assigns a number when saving the service name.

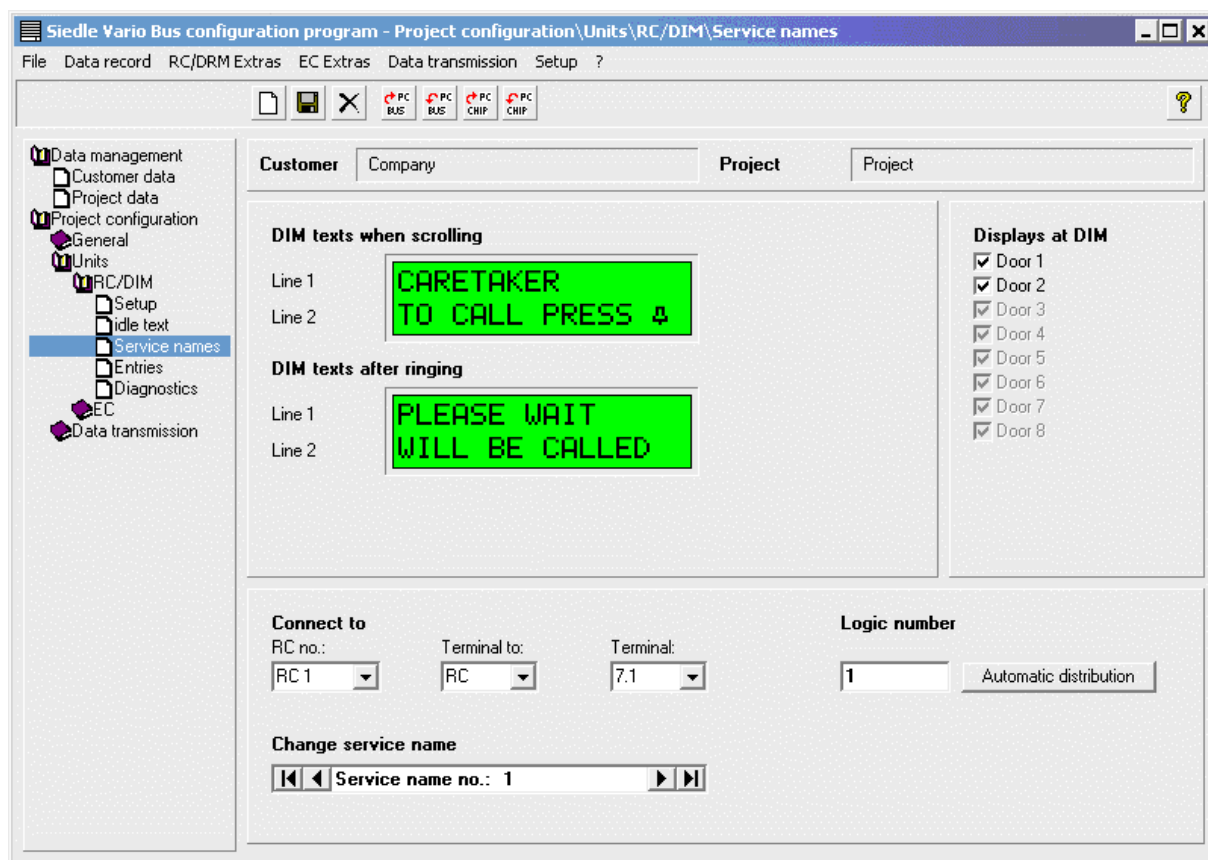
5b. The same applies as under point 5a, but the logical number does not need to be unique.

6. If you have several [DIM 611-...](#) units in the system, you can specify at which DIM 611-... the service name should be displayed. As standard, the service name appears at all DIM 611-... units. If you wish to deselect one or more DIM 611-... units, click onto the relevant check button to remove the tick.

7. Once you have carried out all the required settings, save your inputs with  or the menu command **Save data record**.

8. Then repeat steps 1 to 7, to enter additional service names.

Click on the relevant point on which you require information or return to [Overview](#)



The screenshot shows the 'Siedle Vario Bus configuration program - Project configuration\Units\RC\DIM\Service names' window. The left sidebar contains a tree view with 'Service names' selected. The main area is divided into several sections:

- Customer:** Fields for 'Company' and 'Project'.
- DIM texts when scrolling:** Two line boxes. Line 1 contains 'CARETAKER' and Line 2 contains 'TO CALL PRESS #'. The text is displayed in a green box.
- DIM texts after ringing:** Two line boxes. Line 1 contains 'PLEASE WAIT' and Line 2 contains 'WILL BE CALLED'. The text is displayed in a green box.
- Displays at DIM:** A list of checkboxes for Door 1 through Door 8, all of which are checked.
- Connect to:** Fields for 'RC no.' (set to 'RC 1'), 'Terminal to:' (set to 'RC'), and 'Terminal:' (set to '7.1').
- Logic number:** A field set to '1' and a button labeled 'Automatic distribution'.
- Change service name:** A field labeled 'Service name no.: 1' with navigation buttons.

3.6.3.2.1.4 RC - DIM Entries

The configuration point Entries is used to define the entries indicated at the DIM. All entries are subject to a sorting criterion, which clearly defines under which alphabetic character the relevant entries are sorted.


At the same time as this configuration point, the Special symbol window also appears. Using this window it is possible to insert a special symbol in the cursor location by clicking onto it. If you have closed the special symbol window, you can open it again with F5.

Using this configuration point, under the menu **RC Extras** the commands Define standard text and Use standard text are available. These can be used to define whether lines 2 to 4 (for each entry 2 lines of text are displayed during the search and 2 lines after the call) should carry the same text for all entries, and how these texts should look. In addition, in order to obtain an overview of the users you have already entered, you can have a list of all entered users displayed using the menu point List view in the menu

RC Extras or by clicking the symbol .

Procedure:

1. Using the menu command Use standard text define whether the standard text should be used for the new entry. If you do not define a standard text of your own, the default standard text is used, although this can be edited using Define standard text.

2. In order to create a new entry, click onto the symbol  or use the menu command **New data record**.

3. It is now possible to enter the required text into the individual lines. Please note that new text is entered not by overwriting an existing text but by deleting it first. If you use the default standard text, all you need to do is to enter the name e.g. "Smith, George" in the first line.

The following points differ depending on which type of system you have defined under configuration point [RC Setup](#).

Siedle 1+n system

4. When you have entered the required texts, you can indicate in the boxes "**Connect to**" the physical terminal to which the user displayed as the service name is connected. For more detailed information on this, please click onto the relevant boxes.

5. It is now possible to enter the logical number. The 1-8 digit logical number must be unique, i.e. a number cannot be assigned twice. It corresponds to the call number of the user when using a [COM 611-...](#) If you do not enter anything into this box, the program automatically assigns a number when saving the entry.


Siedle In-Home-Bus System

4. This point is omitted. The boxes for the physical terminal are not available in this system type.

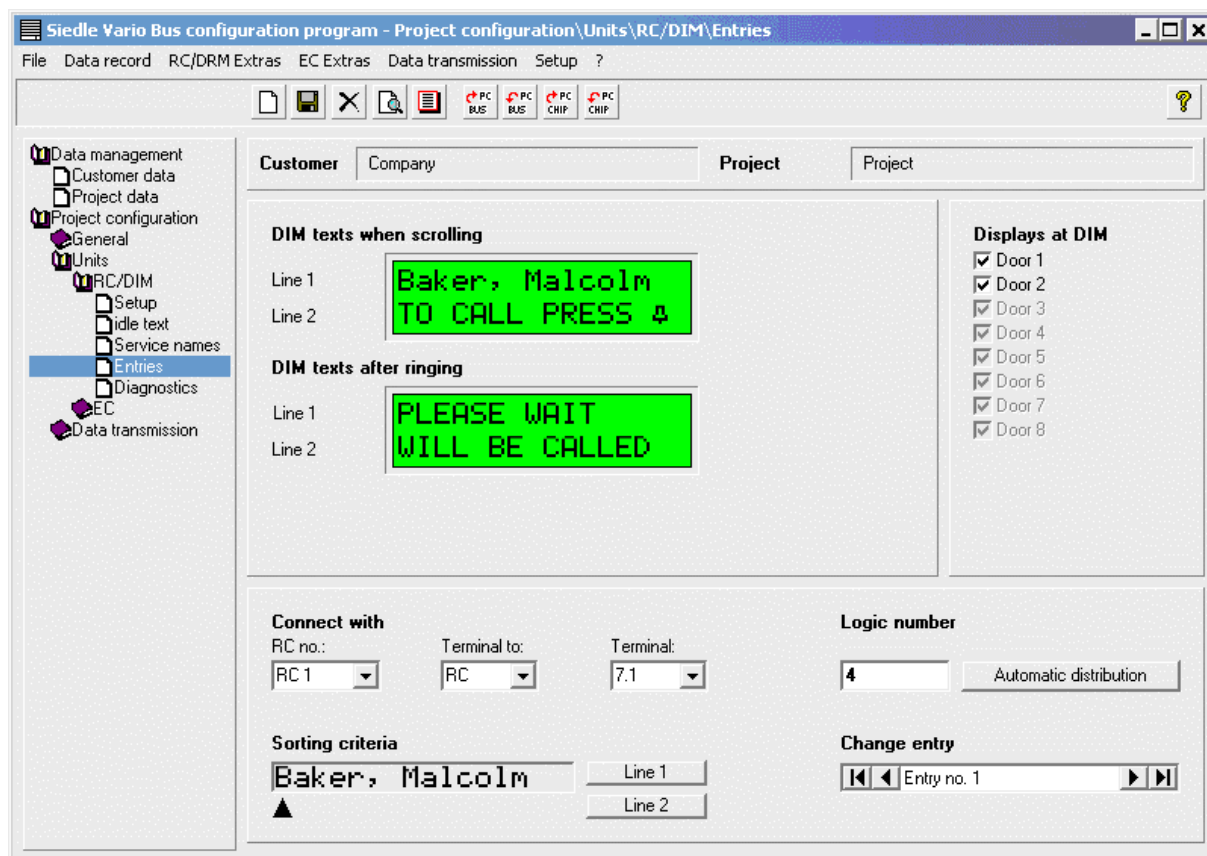
5. The same applies as under point 5a, but the logical number does not need to be unique.

All systems

6. If you have several [DIM 611-...](#) units in the system, you can specify at which DIM 611-... the service name should be displayed. As standard, the service name appears at all DIM 611-... units. If you wish to deselect one or more DIM 611-... units, click onto the relevant check button to remove the tick.

7. Once you have carried out all the required settings, save your inputs with  or the menu command **Save data record**.

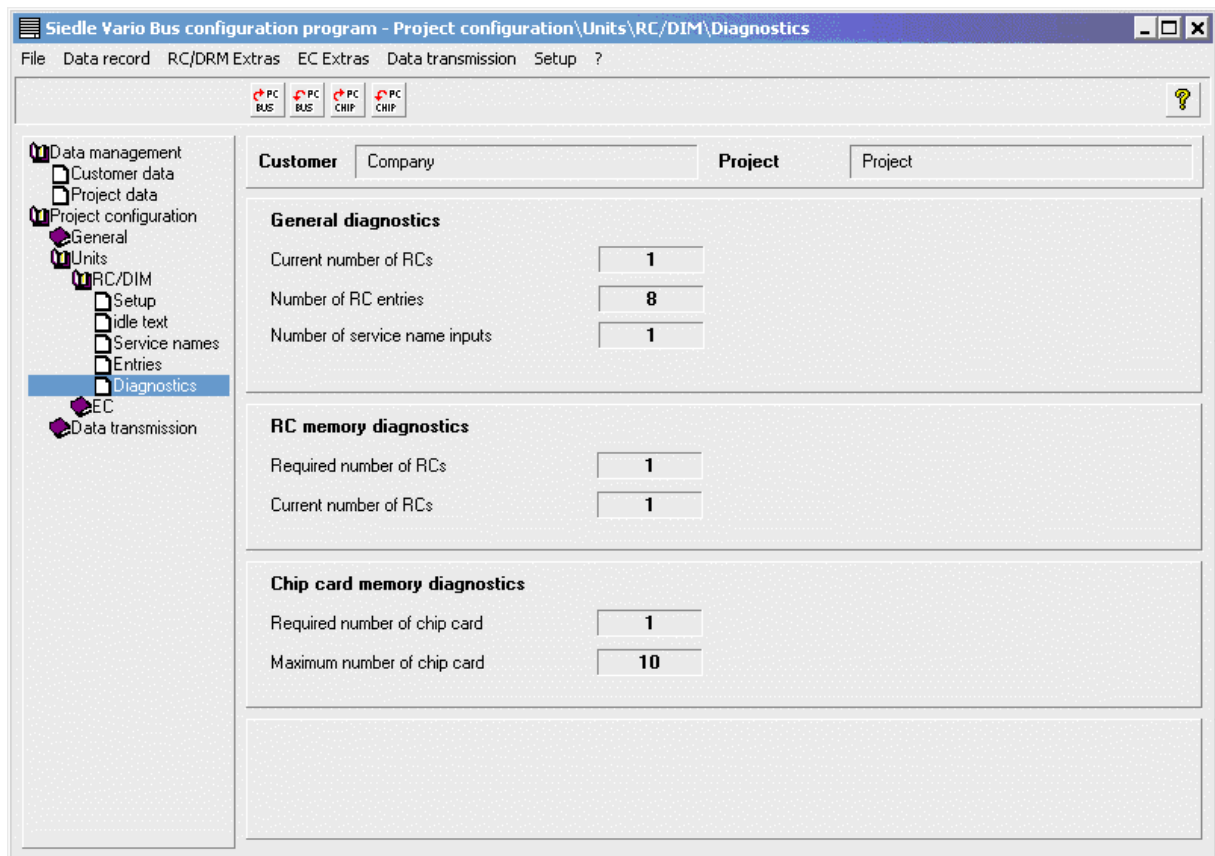
Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.1.5 RC - Diagnosis

The configuration point Diagnosis helps you gain an overview of the current RC configuration.

Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.2 DRM

3.6.3.2.2.1 DRM - Setup

The configuration point RC-Setup is used to define the type and functional characteristics of the RC/DRM system. For this, you define the system type, the language to be used and the DRM functional characteristics.

Under the system type, you can choose between a Siedle 1+n system, a Siedle In-Home bus system or a Siedle Multi system. This system influences the programming of the RC entries and the RC service names.

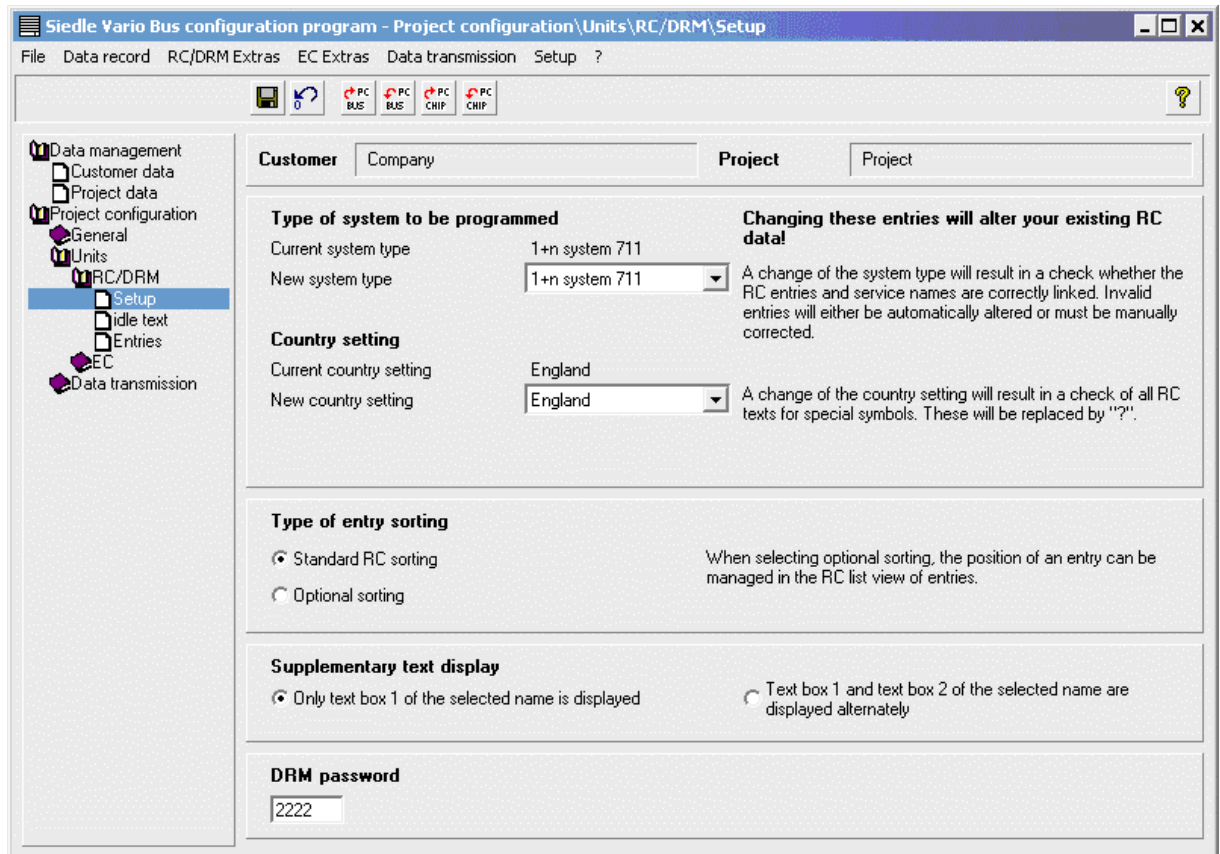
In a Siedle 1+n system, you must assign a contact at the RC to every entry, and also issue a logical number. You also have the opportunity to assign several entries to the same contact, although here the logical number must always be unique.

With the other two system types, no contacts are assigned to the entries, as here the calls are forwarded to a different bus system. With these system types, the logical number is no longer unique, i.e. it is possible to assign the same logical number to several entries.

However, bear in mind that a change to the system type has serious repercussions on your existing RC programming. If your configuration is a Siedle 1+n 711 system, and if you change to a different type of system, your terminal definitions (terminal assignment) will be lost. If you change to a Siedle 1+n 711 system, it can happen that the same logical numbers occur more than once. These invalid entries must then be corrected. To help you do this, a Window with the invalid entries is displayed.

With the country setting, you can change the available set of special symbols at the DIM and the way in which the entries are sorted. However, please note that changing the language replaces all special symbols in your existing configuration to a "?" / with certain languages all characters change to the upper case. It is not admissible to edit directly at the [DRM](#) in any language except English and German, as the relevant sorting algorithms are not supported in the DRM.


Click on the relevant point on which you require information or return to [Overview](#)




3.6.3.2.2.2 DRM - Idle text

Using the DRM idle text configuration point, it is possible to change the idle text displayed in the DIM 611-... . This text is displayed at the [DRM 611-...](#) when in its idle status, i.e. when the user approaches the unit and has not yet made any entries.

There are a total of 3 lines available with 18 characters each. The text is intended to explain operation of the DRM 611-... to users who are not familiar with the system or provide general information. In contrast to the DIM 611-... there is no standard text for the [DRM 611-...](#) .

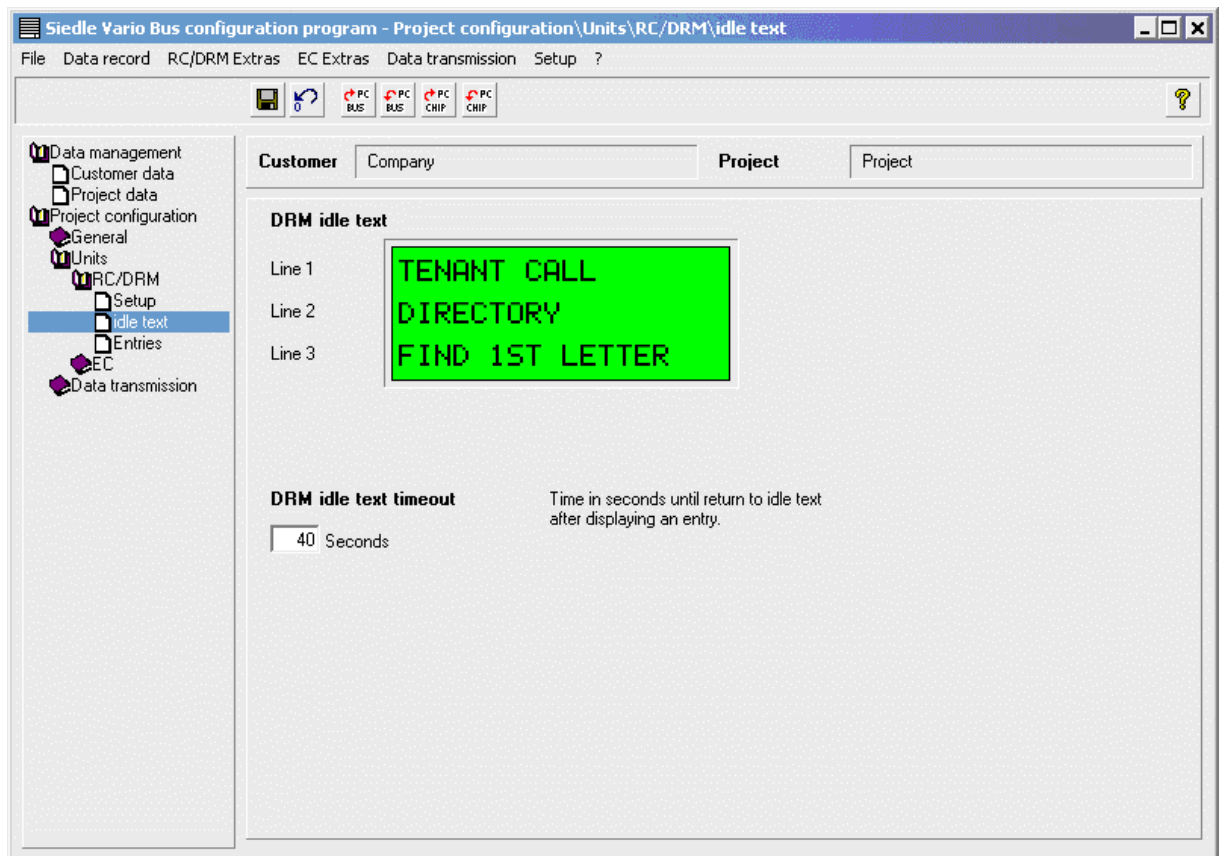
Following a text entry, save it with  or the menu command **Save data record**.

If you wish to delete a text again, click onto  or select the menu command **Reset data record**.

Entering special symbols:

At the same time as this configuration point, the Special symbol window also appears. Using this window it is possible to insert a special symbol in the cursor location by clicking onto it. If you have closed the special symbol window, you can open it again with F5.

Click on the relevant point on which you require information or return to [Overview](#)




3.6.3.2.2.3 DRM - Entries


The configuration point Entries is used to define the entries indicated at the [DRM 611-...](#). All entries are subject to a sorting criterion, which clearly defines under which alphabetic character the relevant entries are sorted.

At the same time as this configuration point, the Special symbol window also appears. Using this window it is possible to insert a special symbol in the cursor location by clicking onto it. If you have closed the special symbol window, you can open it again with F5.

Using this configuration point, under the menu **RC Extras** the commands Define standard text and Use standard text are available. These can be used to define whether lines 2 and 3 should carry the same text for all entries, and how these texts should look. In addition, in order to obtain an overview of the users you have already entered, you can have a list of all entered users displayed using the menu point List

view in the menu **RC Extras** or by clicking the symbol .

Procedure:

1. Using the menu command Use standard text define whether the standard text should be used for the new entry. If you do not define a standard text of your own, the default standard text is used, although this can be edited using Define standard text.
2. In order to create a new entry, click onto the symbol  or use the menu command **New data record**.
3. It is now possible to enter the required text into the individual lines. Please note that new text is entered not by overwriting an existing text but by deleting it first. If you use the default standard text, all you need to do is to enter the name e.g. "Smith, George" in the first line.

The following points differ depending on which type of system you have defined under configuration point [RC Setup](#).

Siedle 1+n System

4. When you have entered the required texts, you can indicate in the boxes "**Connect to**" the physical terminal to which the user displayed as the service name is connected. For more detailed information on this, please click onto the relevant boxes.

5. It is now possible to enter the logical number. The 1-8 digit logical number must be unique, i.e. a number cannot be assigned twice. It corresponds to the call number of the user when using a [COM 611-...](#) If you do not enter anything into this box, the program automatically assigns a number when saving the entry.


Siedle In-Home-Bus System

4. This point is omitted. The boxes for the physical terminal are not available in this system type.

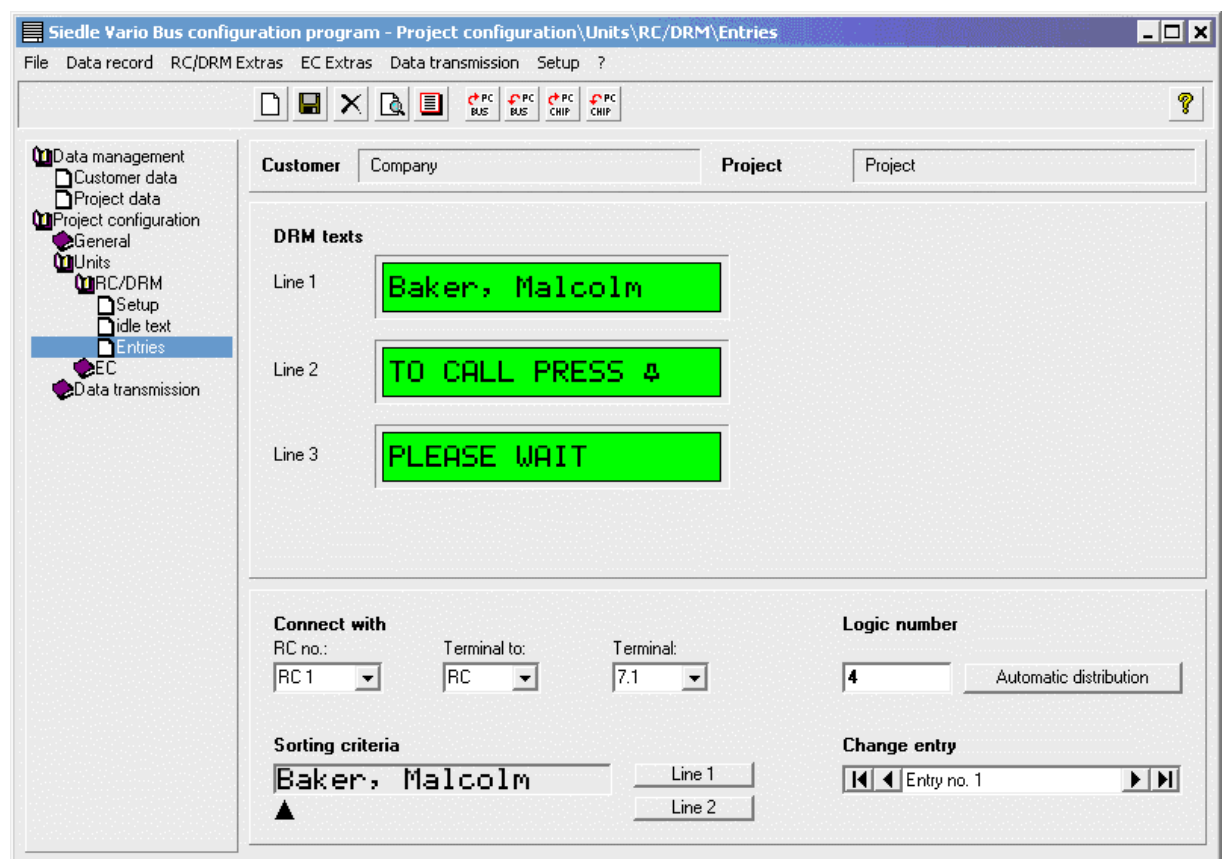
5. The same applies as under point 5a, but the logical number does not need to be unique.

All systems

6. If you have several [DRM 611-...](#) units in the system, you can specify at which DRM 611-... the service name should be displayed. As standard, the service name appears at all DRM 611-... units. If you wish to deselect one or more DRM 611-... units, click onto the relevant check button to remove the tick.

7. Once you have carried out all the required settings, save your inputs with  or the menu command **Save data record**.

Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3 EC

3.6.3.2.3.1 EC - Setup

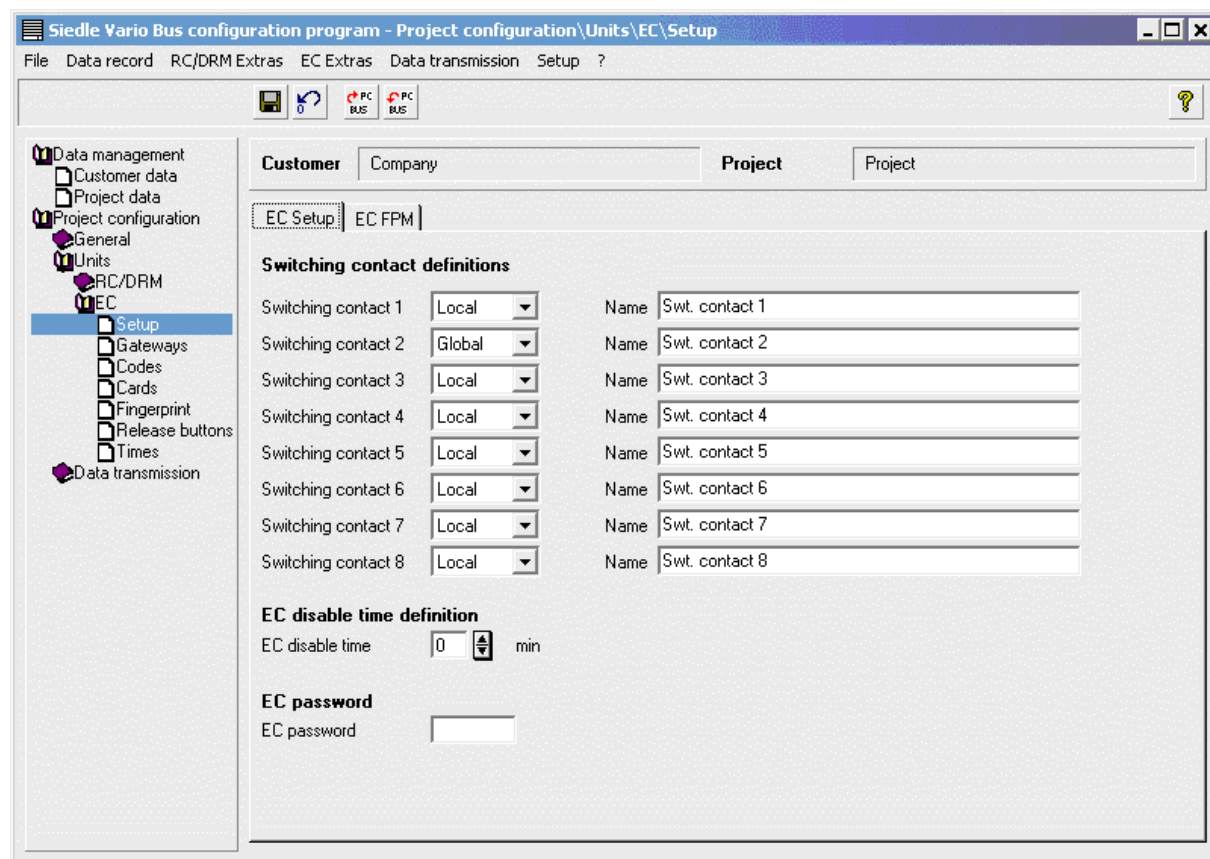
Click the default settings of the [EC 602-...](#).

The EC 602-... makes available a total of two changeover contacts as switching outputs. By extending

the EC 602-... with the [ECE 602-...](#) these two changeover contacts are supplemented by a further 6 working contacts, making a total of 8 available switching contacts. The functional characteristics of this relay can be defined using this configuration point.
It is also possible to define a lock-out time and a password.

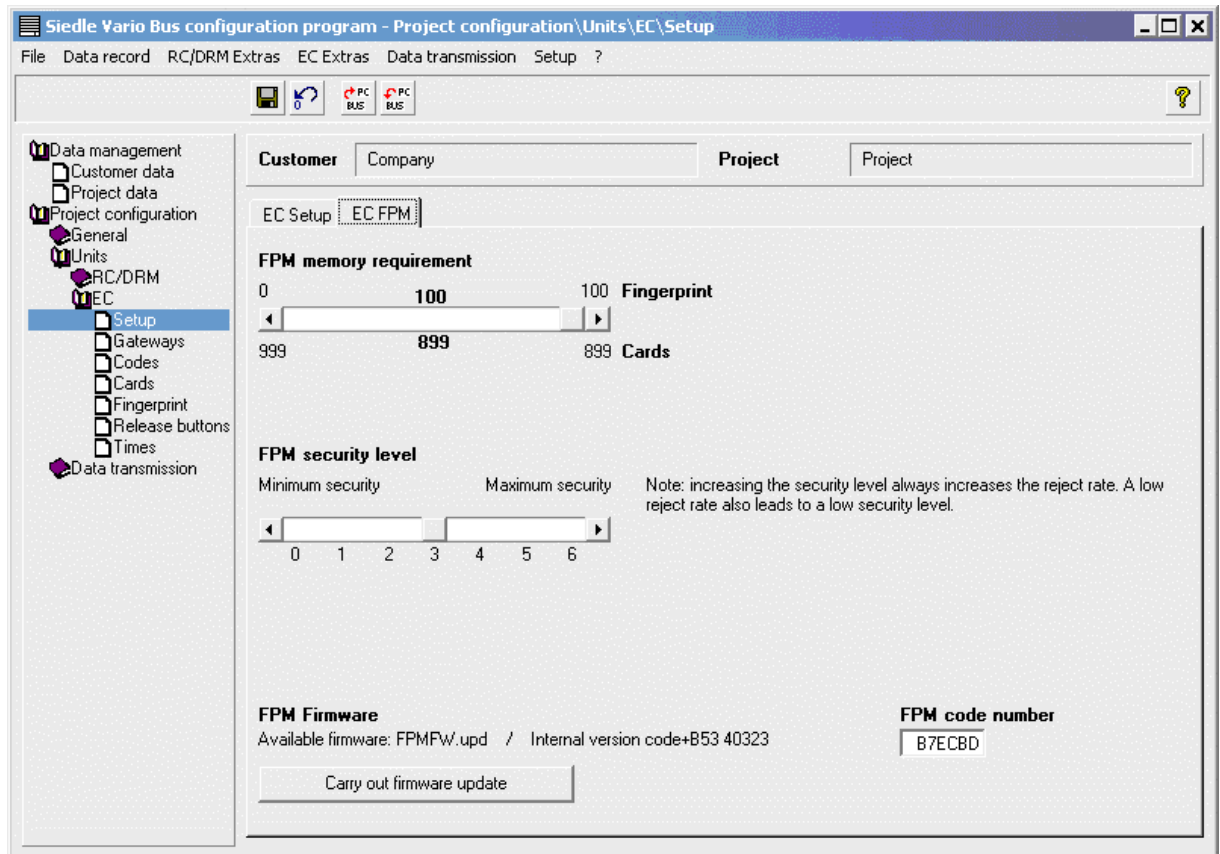
At the EC 602-... from version V2.1, when the password is active, the password must be entered at the EC 602-... before the read / write process via the PRS 602-...

Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3.2 EC - Setup fingerprint

Here, you can modify the memory capacity and the security level for the [FPM 611-...](#). In addition, it is possible to carry out a firmware update.

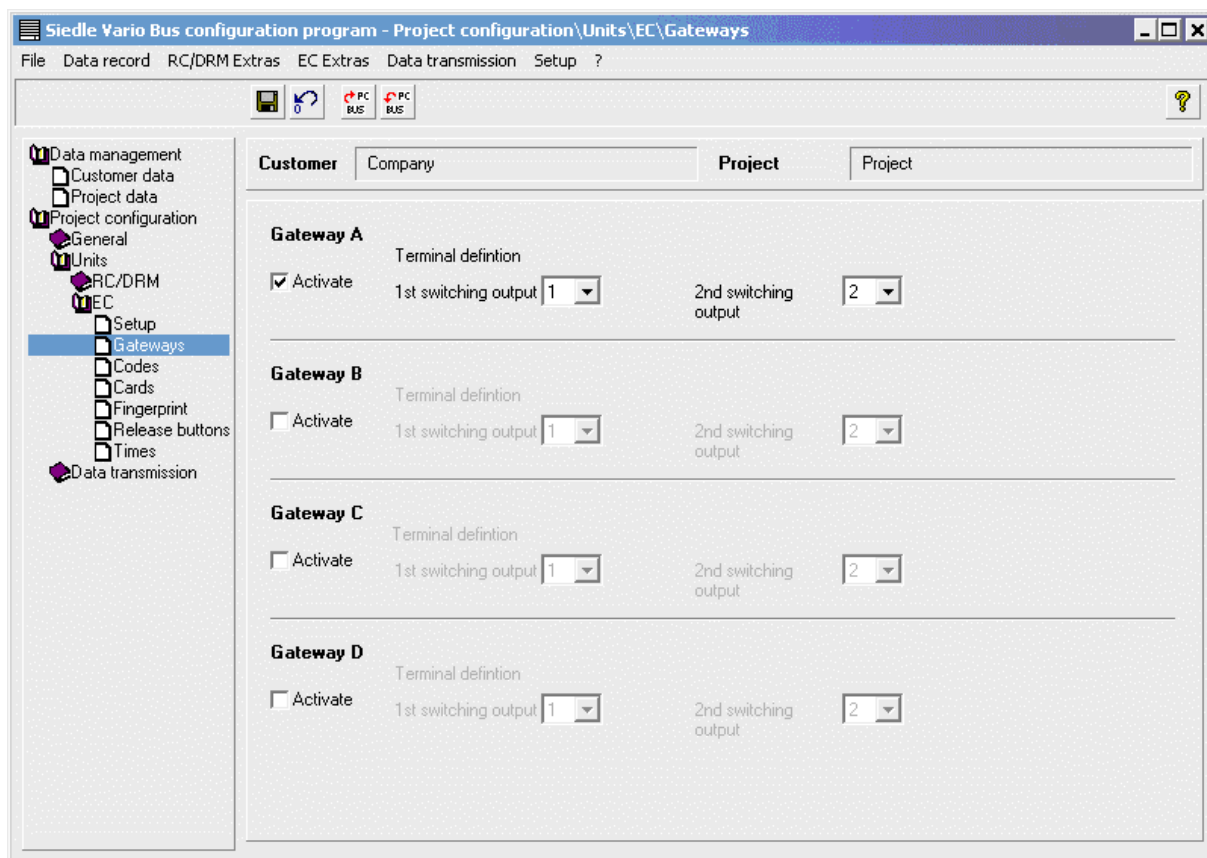


3.6.3.2.3.3 EC - Air locks

Using the EC 602-... it is possible to implement a maximum of 2 air locks (A, B), and in conjunction with the ECE 602-... a maximum of 4 air locks (A, B, C, D).

An air lock permits the automatic switching sequence of 2 switching outputs. The switching contact selected in the box 1st switching output is always switched first. After a time delay which can be selected in the configuration point [EC times](#), the switching contact selected in the box 2nd switching output is tripped.



Click on the relevant point on which you require information or return to [Overview](#)




3.6.3.2.3.4 EC - Codes

In this window, you can define up to 99 F codes which are entered at the COM 611-... in order to execute any optional switching functions (e.g. door release or light switching). The codes can have between 1 and 8 digits. You can assign each resident their own code number, for example, to enable them to open the door. To ensure that you have a reference for who has been assigned which code, the names of the relevant residents are recorded in the Description box.

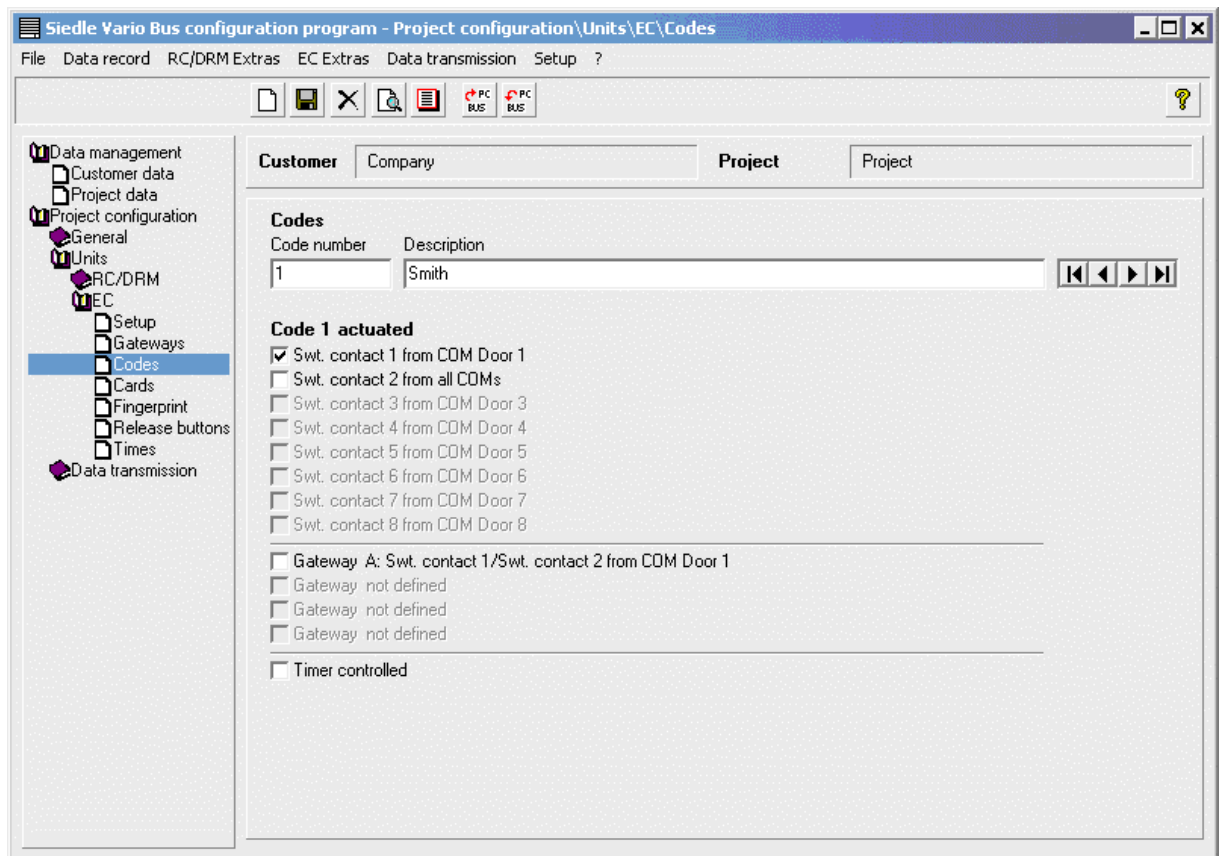
Procedure:

1. To enter a new code, click onto the symbol  or use the menu command **New data record**.
2. Enter the code number and a meaningful description.
3. By clicking onto the relevant box, select which relays and/or air locks can be activated by this code.
4. Determine whether the relevant code should only be enabled on a time-restricted basis.
5. Once you have carried out all the required settings, save your inputs with  or the menu command **Save data record**.

Using the menu point **List view** in the menu **RC Extras** or the symbol  you can display a list of all entered codes.

If you wish to change an already entered code, use the data control element to move to the code you wish to change, or search for it using the menu point **Search data record** or the symbol .

Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3.5 EC - Cards

This mask is used to define the electronic keys or electronic key cards and their effect.

There are basically two ways in which to define cards / keys:

1. Manual input of a 20-digit card identifier which is printed on the card (see procedure below).
2. Read-in of the cards using the Vario bus. To do this, the computer must be connected via the [programming interface](#) to the Vario bus. To start the read-in process, use the menu command **Read in ID card** in the menu **EC Extras** or click the symbol

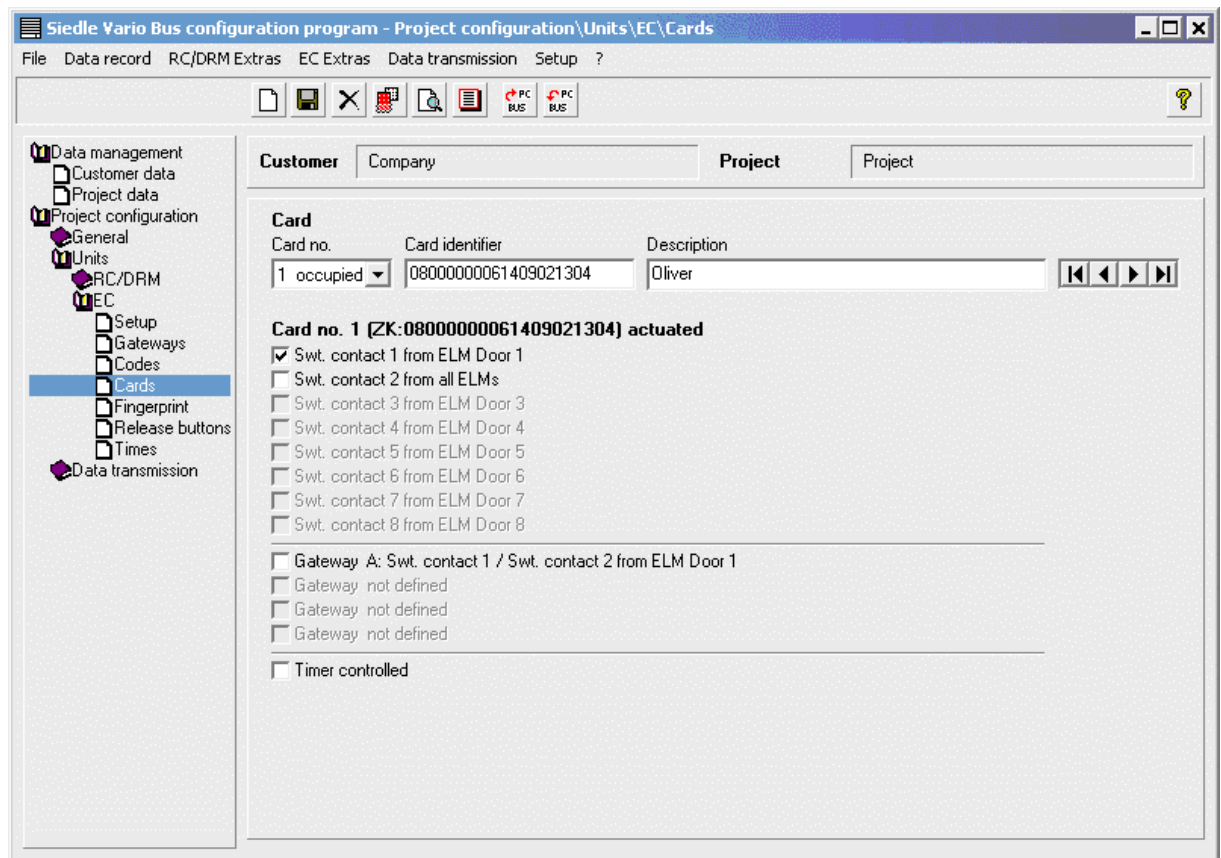
Procedure:

1. In order to enter a new card/key, click onto the symbol or use the menu command **New data record**.
2. The program automatically displays the first free card number. If you wish to program the card with this number, continue with point 3, otherwise you can select a different free card number from the list. (The card number is not always permanently assigned to a certain card and so the relevant number is not always printed onto the card in the factory. This numbering system serves only to number through the cards.)
3. Enter the card identifier located on the card or the key and a meaningful description.
4. By clicking onto the relevant box, select which relays and/or air locks can be activated by this card or key.
5. Determine whether the relevant card or key should only be enabled on a time-restricted basis.
6. Once you have carried out all the required settings, save your inputs with or the menu

command **Save data record**.

Using the menu point **List view** in the menu **RC/DRM Extras** or the symbol  you can display a list of all entered cards/keys.



Click on the relevant point on which you require information or return to [Overview](#)





3.6.3.2.3.6 EC - Fingers

In this window, you can define up to 100 fingerprints which are entered at the FPM 611-... to execute any optional switching functions (e.g. door release or light switching). You can scan in a fingerprint from each resident, for example, allowing them to open the door. So that you know which fingerprint is assigned to which person, the name of the relevant person is recorded in the Description box.

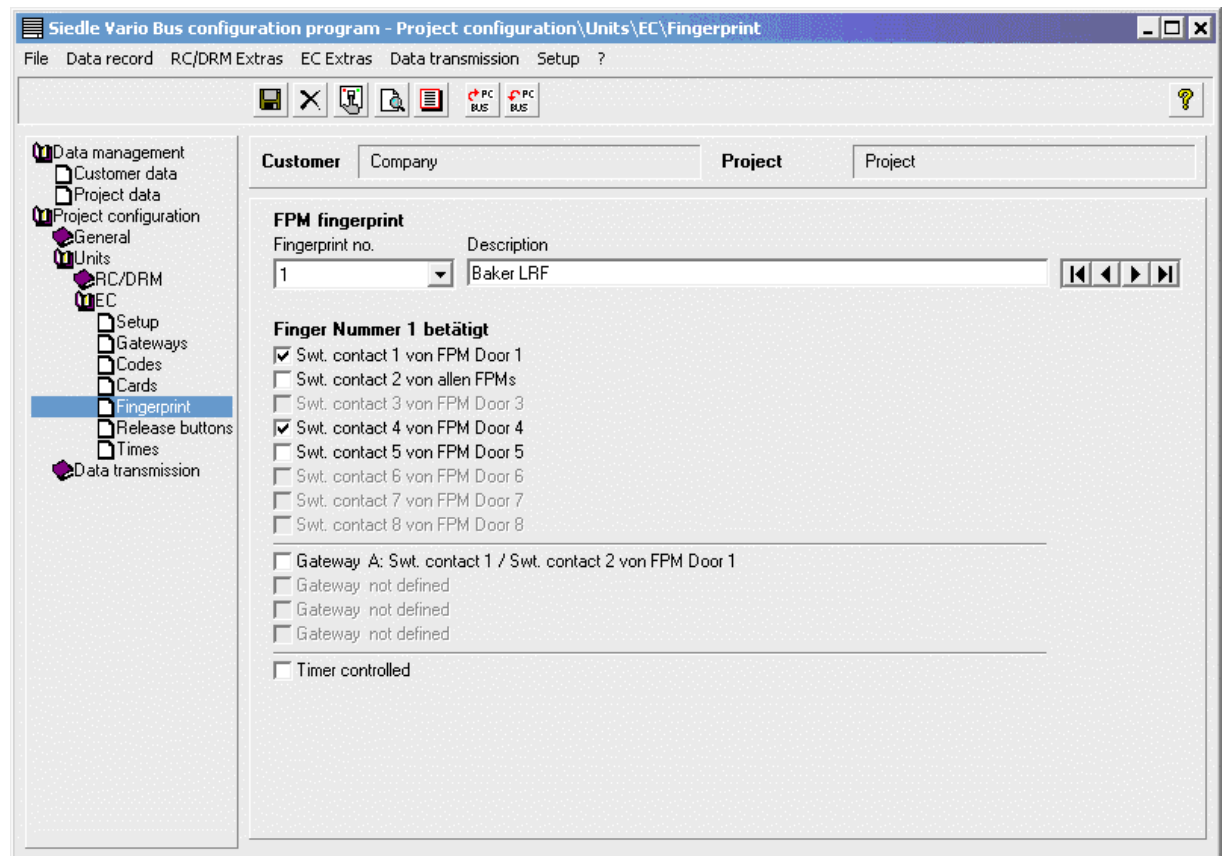
Procedure:

1. In order to enter a new finger, click onto the symbol  or use the menu command **EC Extras Scan fingerprint**.
2. Enter the fingerprint number and a meaningful description (with name of the finger).
3. By clicking the relevant box, select which relay and/or air lock should be activated by this fingerprint.
4. Determine whether the relevant fingerprint should only be enabled on a time-restricted basis.
5. Once you have carried out all the required settings, save your inputs with  or the menu command **Save data record**.

Using the menu point **List view** in the menu **EC Extras** or the symbol  you can display a list of all entered fingerprints.

If you wish to change an already entered fingerprint, use the **data control** element to move to the fingerprint you wish to change, or search for it using the menu point **Search data record** or the symbol . If you wish to scan a new fingerprint, this can be done using the menu point **EC Extras Scan fingerprint** or using the button .

Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3.7 EC - Release button / call with external door release button

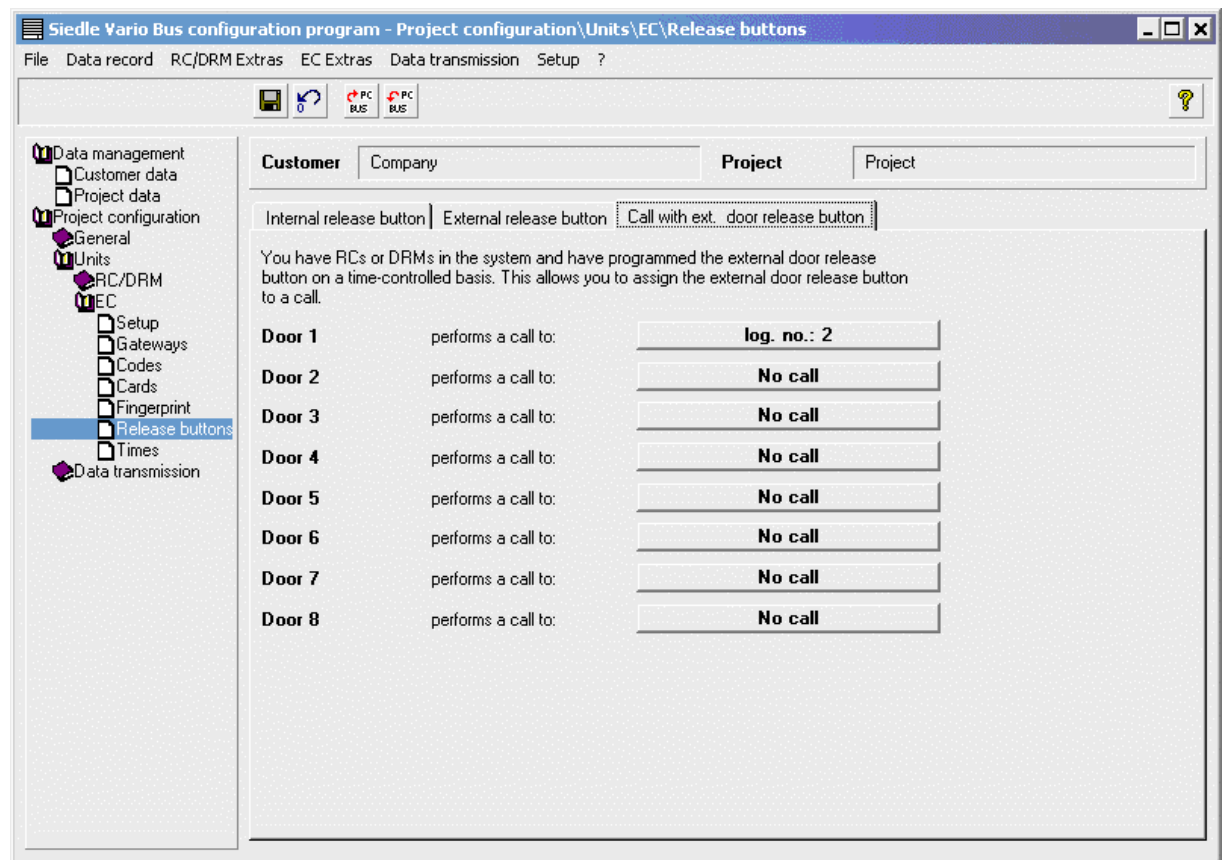
The function 'Call with external door release button' is only possible and therefore can only be programmed when the external release button was configured on a time-controlled basis. An external door release button can be connected at the [COM 611-...](#), [DIM 611-...](#) and [DRM 611-...](#) units.

If this function is further extended by the functionality of the external door release button, this mask also offers you the opportunity to define door calls which are executed when the external door release button is disabled.

To do this, click the relevant button and select an RC/DRM entry or a service name in the window **External call**.

This function is explained here using a short example. In a large multiple-residence building there is also a doctor's practice, and the doctor also has his private accommodation in the same building. To prevent the receptionist having to actuate the door release button every time, an external door release button is used which automatically opens the door when anyone actuates the button during practice opening hours. To allow a patient to reach the doctor in case of emergency outside normal practice hours, a call is defined in this mask with the external door release button to the doctor's private apartment.

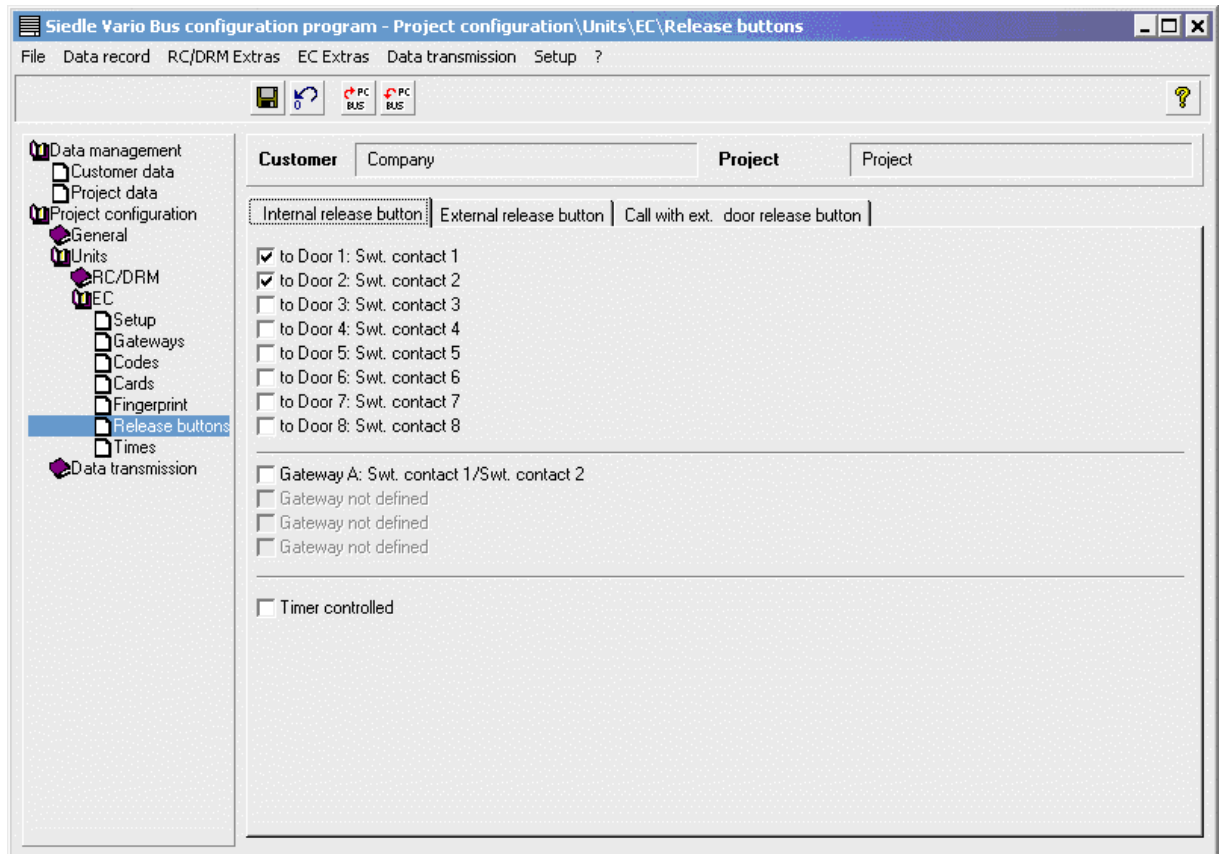
Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3.8 EC - Release button / internal door release button

In this mask you can define which relays / air locks are actuated by the internal door release button (key symbol button) at the [DIM 611-...](#) or [COM 611-...](#). In addition, you can define whether this doormatic function should only be possible at certain times, i.e. with a time control function. This facility makes this function highly suitable for doctors' surgeries, public buildings etc. with fixed opening hours.

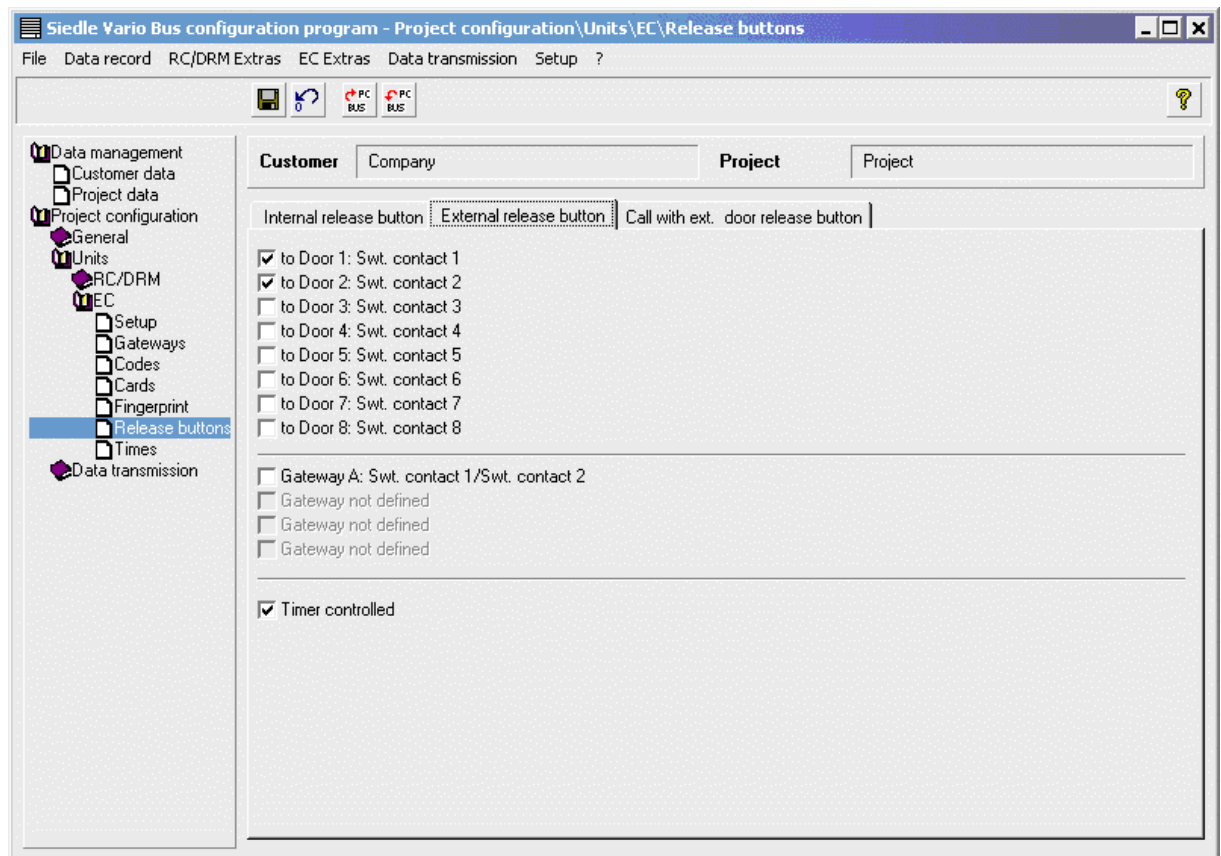
Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3.9 EC - Release button / external door release button

In this mask you can define which relays / air locks are actuated by the external door release button (e.g. an additional call button module) at the [DIM 611-...](#), [DRM 611-...](#) or [COM 611-...](#). In addition, you can define whether this doormatic function should only be possible at certain times, i.e. with a time control function. This facility makes this function highly suitable for doctors' surgeries, public buildings etc. with fixed opening hours.

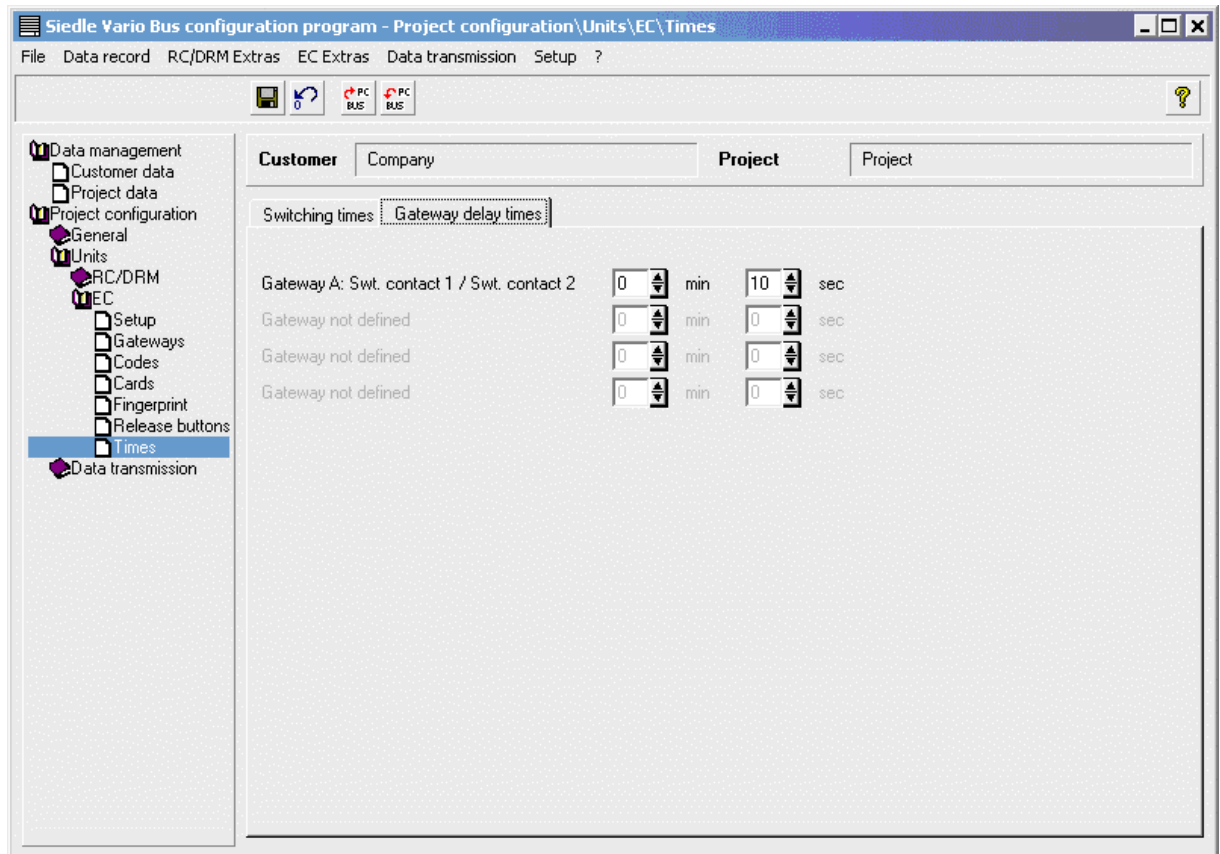
Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3.10EC - Times / air lock delay times

Here, define the required switching times for the relays and the delay times for your air locks.

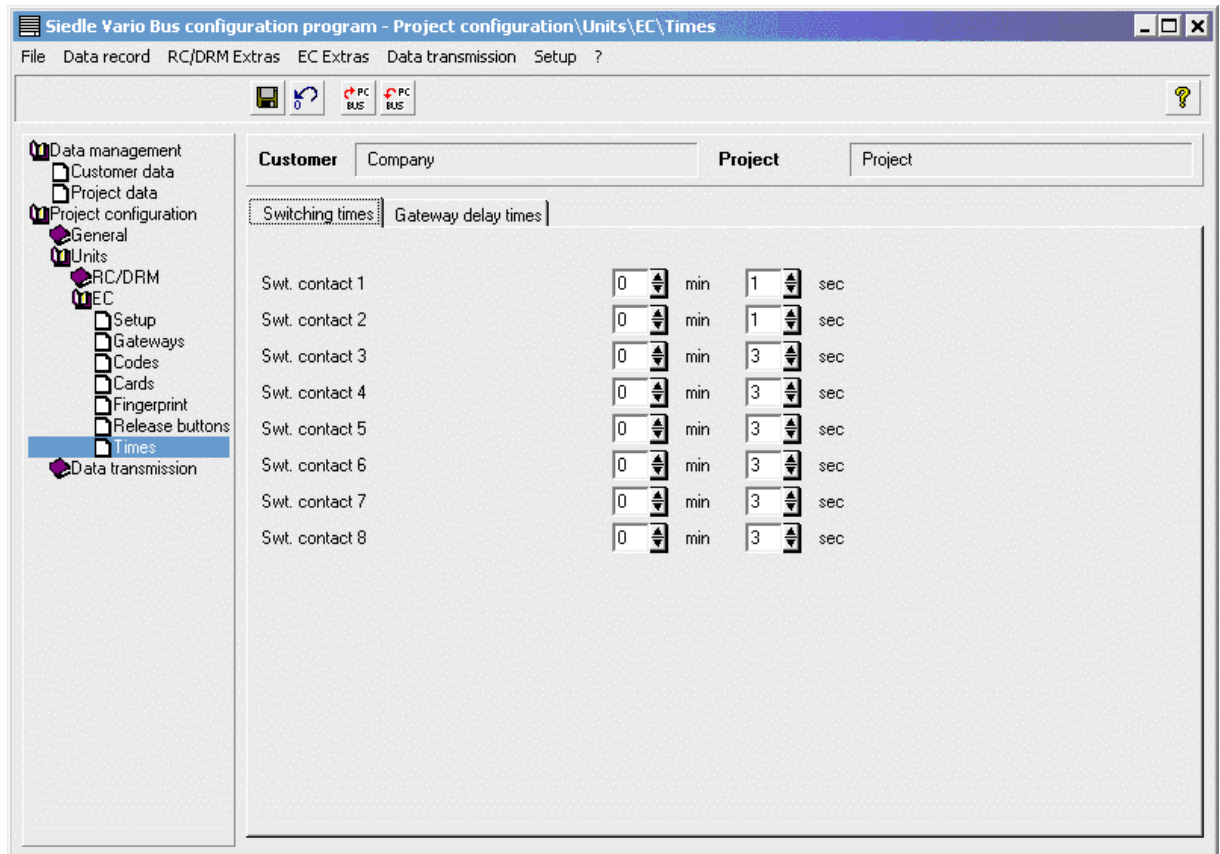
Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.2.3.11EC - Times / Switching times

Here, define the switching times for your switching contacts and the delay times for your air locks.

Click on the relevant point on which you require information or return to [Overview](#)



3.6.3.3 Data transmission

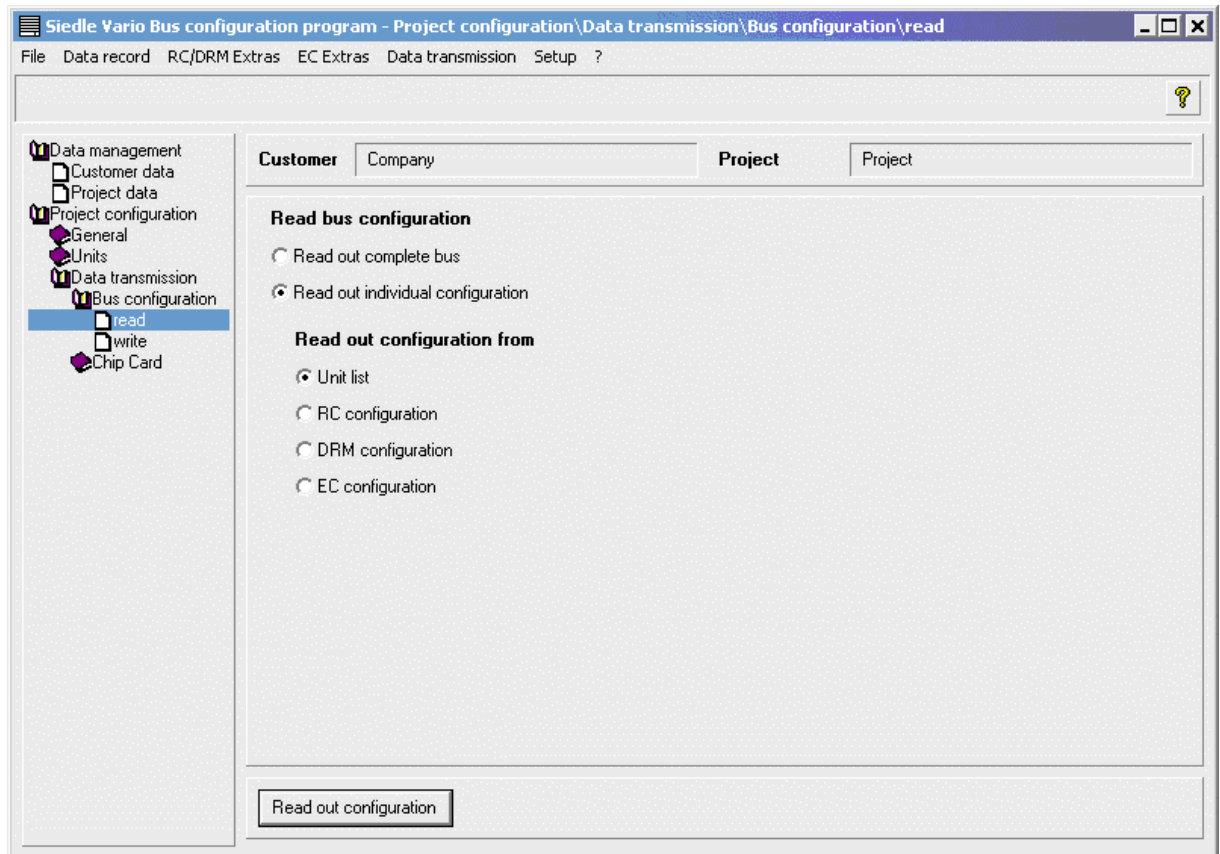
3.6.3.3.1 Bus configuration

3.6.3.3.1.1 Reading data via the bus

Using this configuration point you can read an existing configuration from the bus. This function allows you to read out the bus complete or to read out only an individual unit configuration.

At the EC 602-... from version V2.1, when the password is active, the password must be entered at the EC 602-... before the read / write process via the PRS 602-...

Click on the relevant point on which you require information or return to [Overview](#)

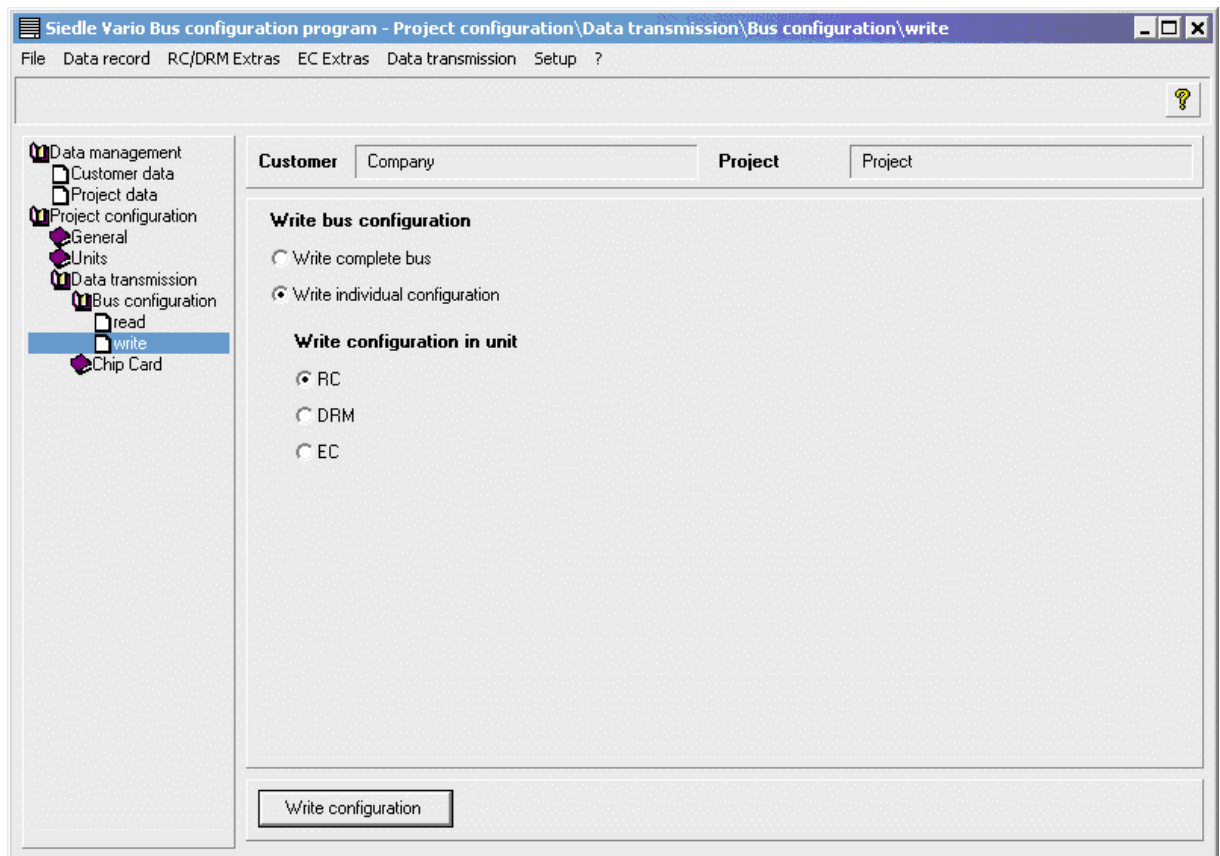


3.6.3.3.1.2 Writing data via the bus

Using this configuration point you can write an existing configuration to the bus. This function allows you to configure all units on the bus or to program only one individual unit configuration.

At the EC 602-... from version V2.1, when the password is active, the password must be entered at the EC 602-... before the read / write process via the PRS 602-...

Click on the relevant point on which you require information or return to [Overview](#)



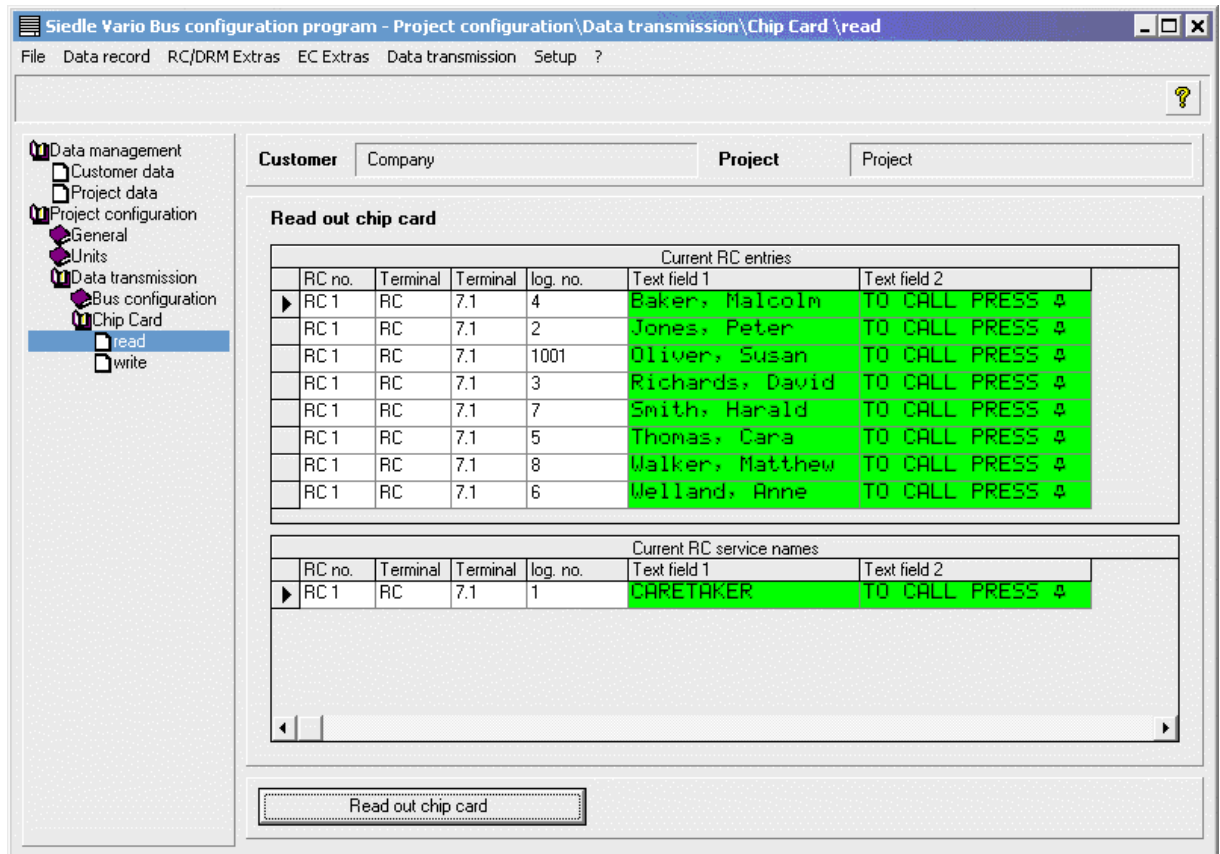
3.6.3.3.2 Chip cards

3.6.3.3.2.1 Reading RC data from chip cards

Using this configuration point you can read an RC configuration from a chip card set. Please note that the configuration existing in the program is overwritten.

To provide you with an overview of which data is overwritten, once again the mask shows you a list of all RC entries and service names.

Click on the relevant point on which you require information or return to [Overview](#)

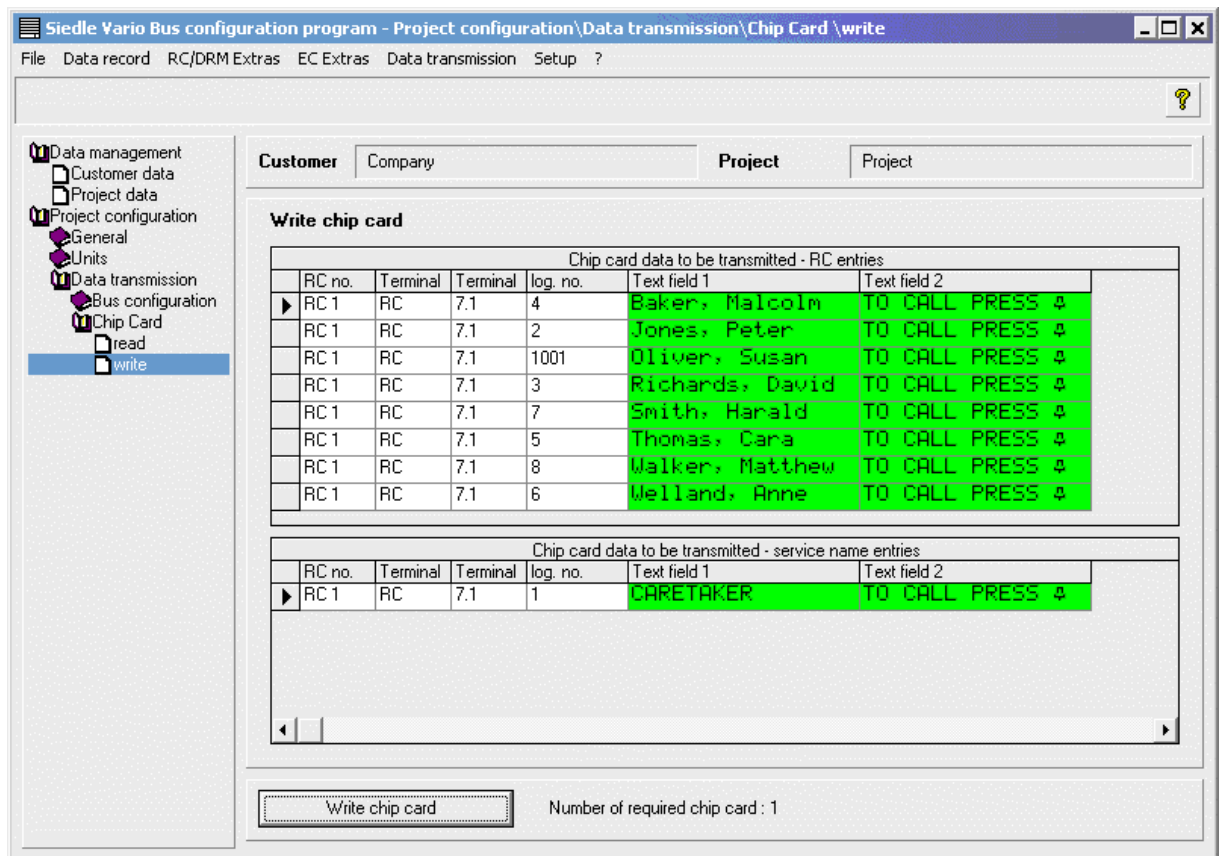


3.6.3.3.2.2 Writing RC data to chip cards

Using this configuration point you can write an RC configuration to a chip card set. A difference must be made as to whether the card set adopts data for a [DRM 611-...](#) or [DIM 611-...](#). Please note that the configuration existing on the cards is overwritten.

To provide you with an overview of which data has been written to the chip card, once again the mask shows you a list of all RC entries and service names.

Click on the relevant point on which you require information or return to [Overview](#)



4 External data units

4.1 External data units - General information

To transfer a programmed configuration into your Vario bus system, depending on the configuration there are two possibilities open to you.

To program a call controller, you can either use the chip card reader or the programming interface. If you wish to program several call controllers, the Easikey controller or the TLC 640, you must use the programming interface.

Use of the programming interface offers the additional benefit that you can determine which units are connected to the bus and which address you have assigned to the units.

4.2 Connection of the card reader

The card reader is connected in the same way as the programming interface to a serial interface of the PC. The COM parts 1-4 are available for this purpose. No other connections are required. For information on writing data to or from the chip cards, refer to [Writing RC data to chip cards](#), [Reading RC data from chip cards](#).

Two card readers are currently supported:

- TOWITOKO CHIPDRIVE I extern (Chipdrive II extern)
- TOWITOKO CHIPDRIVE micro (Kartenzwerg)

Suppliers of these chip card readers include:

- Conrad Elektronik

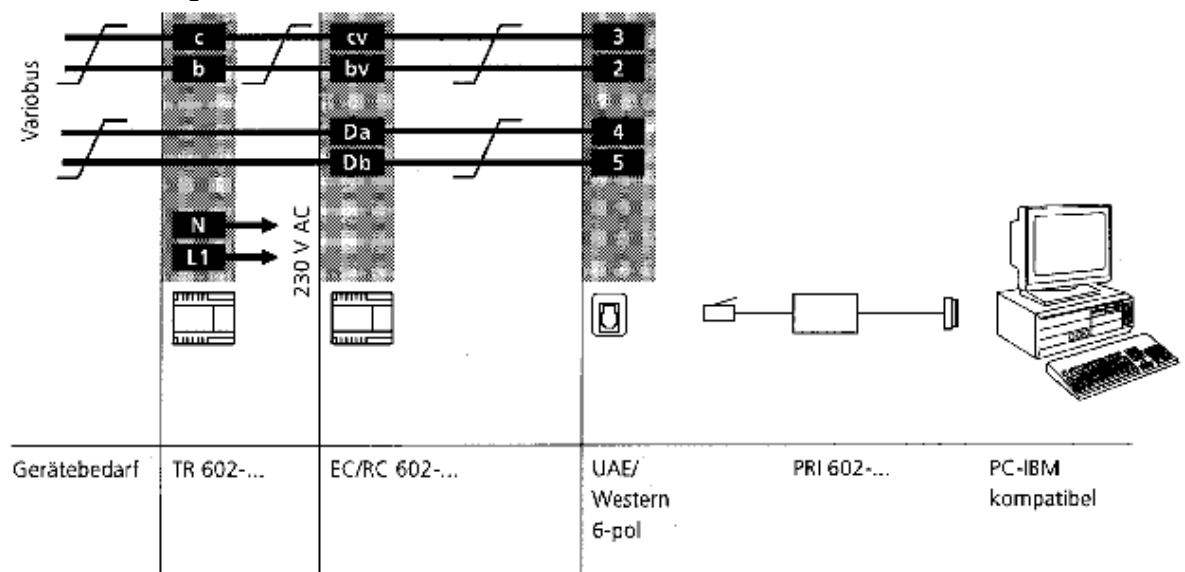
- Reichelt Elektronik

4.3 Connection of the programming interface

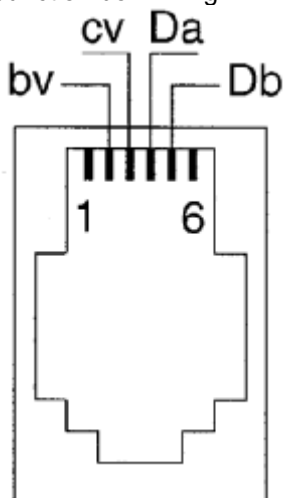
Connection of the programming interface

Connection of the programming interface to the Siedle Vario bus is performed using a junction box. Connection to the PC is performed using a serial interface at the PC. For this, COM ports 1 – 4 are available. The precise wiring configuration is indicated in the circuit diagrams below. For information on the transmission / reception of data via the bus, refer to [Writing data via the bus](#), [Reading data via the bus](#).

General circuit diagram



Junction box wiring



IAE	UAE	6pol	
	1		
	2	1	
2a	3	2	bv
1a	4	3	cv
1b	5	4	DA
2b	6	5	DB
	7	6	
	8		
	S		

5 Frequently asked questions and answers

- Problems with data transmission using programming interface PRI 602-...

Check the following steps:

Is the interface connected at the PC?

Is the interface connected to the junction box?

Is the junction box correctly wired? (See [Connection of the programming interface](#))

Have you set the correct COM port and is it free (i.e. not occupied by another application)? (see Setting up the programming interface)

Are the units you wish to program actually present in the system?

- Problems with data transmission under Windows NT

The configuration program PRS 602-... was not developed for use with Windows NT. It can still be used, but some settings under Windows NT must be changed. Proceed as follows:

- Open the workstation properties (right mouse button on the workstation symbol, select Properties from the pop-up menu)

- Change to Performance features and set the slide controller for "Execute applications" to no increase.

- Adopt the changes and click on OK.

Data transmission should now be possible again. Despite this, however, individual errors may occur. In this case simply confirm the message box with "Repeat".

- [Tips on using the FPM 611-...](#) ctxFPM>Main

6 Info

In case of questions, look in the section "Frequently asked questions and answers" or contact the **Siedle Software Service** hotline.

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