SSS SIEDLE

Programming Instructions Bus Controller

BC 3000-01

Contents

Bus Controller BC 3000-01
General remarks

The intercom system is programmed on a display-supported basis in dialogue with the operator.
To permit fast, correct programming, before commencing data input, always check that installation work and mains connection have been correctly performed.
The entire intercom system, i.e. all components connected to the bus, can be programmed from any optional SIC/ICI 3000-01. This means that the BC 3000-01 can be programmed from a unit of your choice.
In order to prevent unauthorized access to the programming menu, this is protected by a code word.

Allocation of call numbers
Performance check

Allocation of call numbers
In a new instrument, the call number „00" is set in the factory. To permit a bus controller to be programmed, the unit must first be given its own call number. Call numbers are allocated by setting the rotary switch at the BC 3000-01. The call number can be allocated using the tens or units rotary switch within a range from 0 and 99. The 2-digit BC call number is always supplemented with two zeros for programming, for example a unit with the number „02" is selected by entering the number „0200".

Remark
It is possible to allocate call numbers when the unit is live or disconnected. The new call numbers are read in automatically without the need for a reset.

If the status LED does not go out after setting the call number but continues to flash, an inadmissible, i.e. already allocated call number has been entered.

Performance check
If the call number of the BC 3000-01 is altered when the unit is live, the red status LED should flash briefly until the new call number has been read in. If the LED fails to flash, the power supply or the BC can be presumed to be faulty.

If the status LED goes out again, the BC can be assumed to be functioning correctly and the original or required call number must be reset.

Remote programming
Programming remark

Remote programming
All the units connected to the system bus can be programmed at any optional intercom unit SIC/ICI 3000-01. Remote programming is only possible if a call number has been correctly allocated for each individual unit. Particular attention must be paid to this on initial commissioning. If the supply voltage fails at one or the both users during remote programming, both units return to their starting status after an automatic reset.

Programming remark
The menu points appear in the sequence indicated on page 9 in the programming menu of the BC 3000-01. It is possible to scroll forwards with the R button or backwards with the F button to the required menu point.

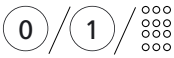
In all the menus, it is possible to change the menu point to the required function by entering „0, 1“ or a sequence of numbers. There is no need to confirm your inputs. The inputs are entered into an intermediate memory by scrolling onwards. After leaving the programming mode (with the C button), the inputs are entered in the memory by an automatic unit reset.

If you do not wish to alter a value indicated in the display, either scroll onwards **or**

R key scrolls forwards
F key scrolls back

or

change the value and then scroll onwards

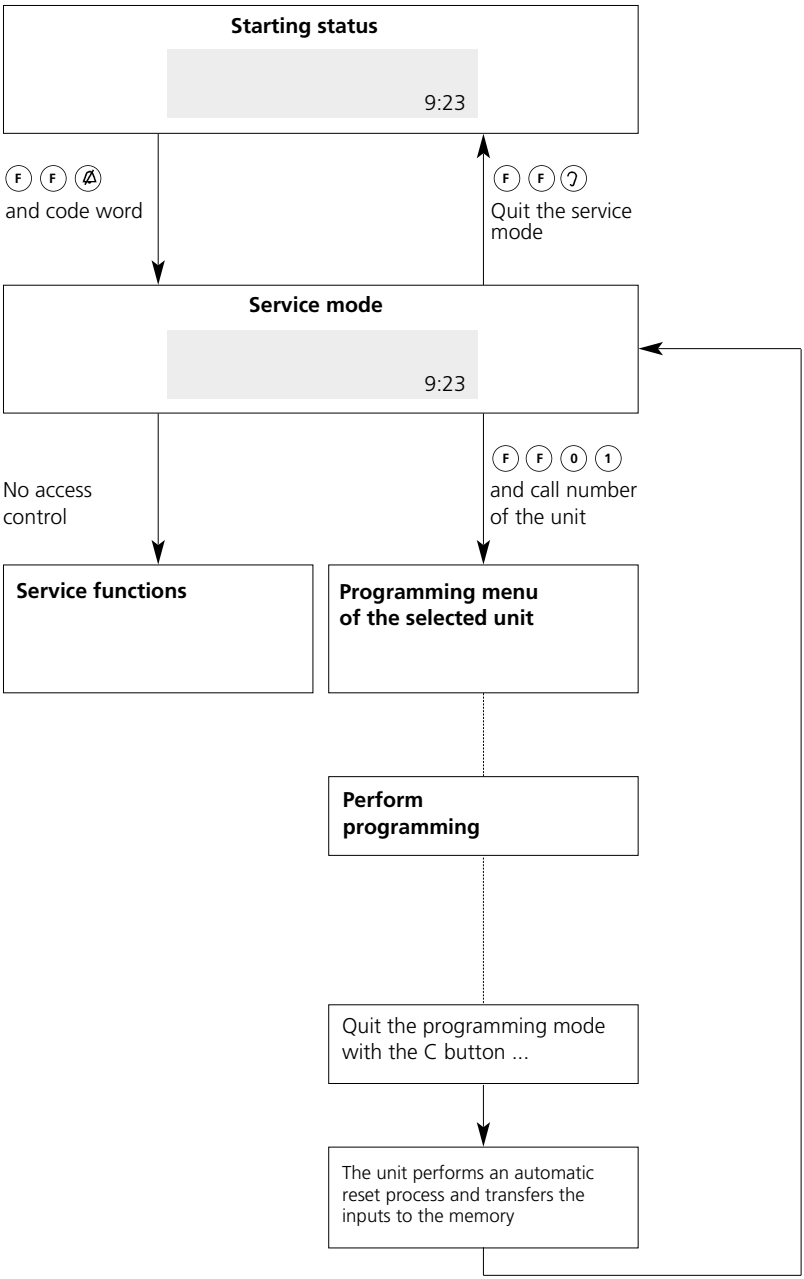


Enter "0, 1" or a sequence of numbers

Remark
This procedure is identical for every point appearing in the programming menu

R key scrolls forwards
F key scrolls back

Programming structure SIC/ICI 3000-01



Switching the service mode on and off

To be able to branch into programming of the BC 3000-01, a change to the service mode is initially necessary.
Entry into the service mode is protected by a code word.
On delivery, the code word 1000 is defined in the factory.

Note
If an incorrect code word is entered three times in succession, the SIC/ICI is disabled for around 6 minutes.

Switching on the service mode
Input remark:
The maximum input interval between pressing 2 buttons is 1.5 secs. Inputs must therefore be keyed in rapidly.

Press the F button twice and then the call silencing button.

Function

The display changes from

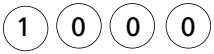
System

to

Service mode Code word?

and

Note
If no input is made in the service mode for a period of around 10 minutes, or if the user does not branch into the programming mode, the service mode is automatically interrupted.



Enter the factory (1000) or code number

Service mode Code word? ####

Display

Service mode active

Display

Switching off the service mode
Input remark:
The maximum input interval between pressing 2 buttons is 1.5 secs. Inputs must therefore be keyed in rapidly.

Press the F button twice and then the listen-in button

Function

The display changes from

System

to

Service mode passive

and

Switching the programming mode on and off

If you wish to change the factory or individual programming of a unit, this can only be done in the programming mode.
It is only possible to branch into the programming menu if every unit you wish to program is already unambiguously identified by its own call number.
Before it is possible to activate programming of the BC 3000-01, the SIC/ICI 3000-01 from which you wish to perform programming must be switched to the service mode.

Switch on the programming mode
By entering "F, F, 0, 1" and the call number of the BC 3000-0, it is possible to activate the programming menu of the BC. It is possible to perform remote programming of another unit such as a SIC or TLC by entering its call number.

Input remark
The maximum input interval between pressing 2 buttons is 1.5 secs. Inputs must therefore be keyed in rapidly.

Enter the digits "F, F, 0, 1"

Function

The display changes from

System

to

Configuration	
Call number	----

and

Enter the call number of the unit you wish to program (e.g. 4)

Configuration	
Call number	---4

Switching off the programming mode
To terminate programming, quit the programming menu by actuating the C button.

Press the C button

The BC now automatically carries out a reset process and is then ready for service.

9:23

Display

After the reset, you have now returned to the service mode and can continue with programming a different unit by reactivating the programming mode with the new cal number.

Note
After termination of programmming, the service mode should be switched off manually. This prevents unauthorized intervention during the time up until automatic shutdown (after appr. 10 min.).

Programmable menu points

Programmable menu points	Programming possibilities	Default setting
Language version	D, GB, F, NL, DK, I	German
Software status / call number	display only	----
Basic status	yes / no	no
Number of speech circuits	2 / 1	2
Video disable	yes / no	no
Video	0 = Transparent 1 = Disabling 2 = Distributor	0
BC behaviour*	1 = Transparent 0 = Disabling	1

* This menu point only appears when „disabling“ or „transparent“ has been set in the previous menu point.

Language
Software status / call number

Language
To select the language, enter the required code no.

Deutsch=0 Code no.: 0	The display changes continuously from
English = 1 Code no.: 0	to
Français = 2 Code no.: 0	and
Nederlands = 3 Code no.: 0	and
Dansk = 4 Code no.: 0	and
Italiano = 5 Code no.: 0	and
	Enter the required code no.
	R key scrolls forwards F key scrolls back

Software status
Own call no.
In this menu point, the software version and the call number set at the BC are displayed, for example no. 02.

113550 2.00 XX BC 3000: 02	Display
	R key scrolls forwards F key scrolls back

Remark
This menu point serves as a pure display. For this reason, it is not possible to carry out any changes or inputs. The call number of the BC is always changed by setting the rotary switch at the BC itself.

Basic status

Every BC is delivered in a fully functional basic status. Each local bus has two speech circuits available in this basic setting.

The bus behaviour is transparent, i.e. all other buses are able to communicate with this local bus without restrictions.

Basic status
If the basic status is activated by entering „1“, and the programming mode is quitted with the C button, all menu points of the unit are reset to the default setting.

Basic status Code no.: 0	Display changes continuously from
0 = no, 1 = yes Code no.: 0	to
0 / 1	"0" for do not activate basic status and "1" for activate basic status
R / F	R key scrolls forwards F key scrolls back

Number of speech circuits

Number of speech circuits
The bus controller BC 3000-01 is responsible for allocation of the number of speech circuits on the local bus. The intercom system basically has 2 speech circuits available.

If the system is structured on the basis of an existing installation, and if sufficient wires are therefore not available for 2 speech circuits, it is possible to run the system with only one speech circuit. However, attention must be paid to ensure that all the units at the local bus are then set to this number of speech circuits.

Define the number of speech circuits for the local bus and scroll forwards.

NO. OF SPEECH CIRCUITS Code no.: 2	Display
LOCAL BUS Code no.: 2	Display
1 / 2	Enter the number of speech circuits
R / F	R key scrolls forwards F key scrolls back

BC video characteristics
Transparent/Disabling/Distributor

Video
The bus controller BC 3000-01 can be programmed for three different video functions.

Transparent
i.e. in the overall system there is **one** video conductor network acting across the entire bus.

Disabling
i.e. the system has been configured with more than one video conductor network, whereby each of the monitors is supplied by only one video bus. The video conductor networks are not interconnected in any way.

Distributor
i.e. the system has been configured with more than one video conductor network, whereby the same monitor can be supplied with video signals from the global bus as well as from its own local bus.

Using the code no. define the required video function of the bus controller and scroll onwards using the R button.

Video? Code no.: 0	Display changes continuously from
0 = transparent Code no.: 0	to
1 = disabling Code no.: 0	and
2 = distributor Code no.: 0	and
	Enter the required code no.
	R key scrolls forwards F key scrolls back

BC audio characteristics

BC characteristics **The bus controller BC 3000-01 can be operated in two different statuses:**	**Transparent = 1,** i.e. cross-bus communication is basically possible, but this facility can be disabled in up to 8 buses.	**Disabling = 0,** i.e. cross-bus communication is not possible, but this facility can be enabled for up to 8 buses.
Starting status	BC CHARACTERISTICS Code no.: 1	Display changes continuously from
	0 = DISABLING Code no.: 1	to
	1 = TRANSPARENT Code no.: 1	and
Define the bus controller characteristics by entering the code number and scroll onwards with the R button.		Enter code no.
		R key scrolls forwards F key scrolls back

Transparent BC characteristics and access entitlement for all buses

Access entitlement for all buses
If you wish all other local buses to have unrestricted access to this bus, select the number „1“.

ACCESS ENTITLEMENT Code no.: 1	The display changes continuously from
for all? Code no.: 1	to
0 = no, 1 = yes Code no.: 1	and
1	Define code no. 1
R	Press the R button
C	Press the C button

Using the R button, scroll to the start of the programming menu and quit the programming menu with the C button.

Transparent BC characteristics but disabling individual buses

Disabling access entitlement
Despite transparent BC characteristics, some buses (max. 8) are included in the access entitlement. Alter the code no. to 0 and then scroll forwards using the R button.

ACCESS ENTITLEMENT Code no.: 1	The display changes continuously from
for all ? Code no.: 1	to
0 = no, 1 = yes Code no.: 1	and
0 R	Press the 0 and then the R button
DISABLED BC Code no.: 01	Display
	Enter the number 33
DISABLED BC Code no.: 01 33	Display
R	Press the R button
DISABLED BC Code no.: 02 --	Display
	Press the door release button
R	Press the R button
C	Press the C button

It is now possible to exclude up to 8 buses from communication with this bus by entering the relevant bus number (e.g. the number 33).

Using the R button, scroll forward to the next input.

As previously, it is possible to enter the bus numbers in sequence which you wish to disable.

Remark:
Using the door release button, it is possible to delete the individual entries again.

If you do not wish to disable any further buses, press the R button again and terminate the programming mode with the C button.

Disabling BC characteristics
Disabling all buses

Disabling all buses
If you wish the bus controller to operate in the disable mode, change the code number to 0 and scroll forward with the R button.

BC CHARACTERISTICS Code no.: 1	The display changes continuously from
0 = DISABLING Code no.: 1	to
1 = TRANSPARENT Code no.: 1	to
0 R	Press the 0 and the R button

If you wish to disable all local buses, accept the code no. and scroll using the R button on to the start of the programming menu.

All buses Code no.: 1	The display changes continuously from
Disable? Code no.: 1	to
0 = no, 1 = yes Code no.: 1	and
1 R	Press the 1 and the R button

Leave the programming menu with the C button.

C	Press the C button

Disabling BC characteristic, but
enabling individual buses

Enabling access entitlement
If you wish to exclude certain buses (max. 8) from the disable status, change the code no and then scroll onwards with the R button.

All buses Code no.: 1	The display changes continuously from
Disable? Code no.: 1	to
0 = no, 1 = yes Code no.: 1	and
0 R	Press the 0 and then the R button
ENABLED BC Code no.: 01	Display
It is now possible to enable up to 8 buses for communication with this bus by entering the relevant bus number (e.g. number 16).	Enter the number 16
ENABLED BC Code no.: 01 16	Display
Use the R button to scroll on to the next input.	Press the R button
ENABLED BC Code no.: 02 --	As previously, it is possible to enter the bus numbers you wish to enable in sequence. Display
Remark: **Using the door release button, it is possible to delete the individual inputs again.**	Press the door release button
If you so not wish to enable any further local buses, press the R button.	Press the R button
Use the C button to leave the programming menu.	Press the C button

Index of key terms

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SSS SIEDLE

S. Siedle & Söhne
Telefon- and Telegrafenwerke
Stiftung & Co

Postfach 1155
D-78113 Furtwangen
Bregstraße 1
D-78120 Furtwangen

Tel. ++49 (0) 07723/63-0
Fax ++49 (0) 07723/63-300