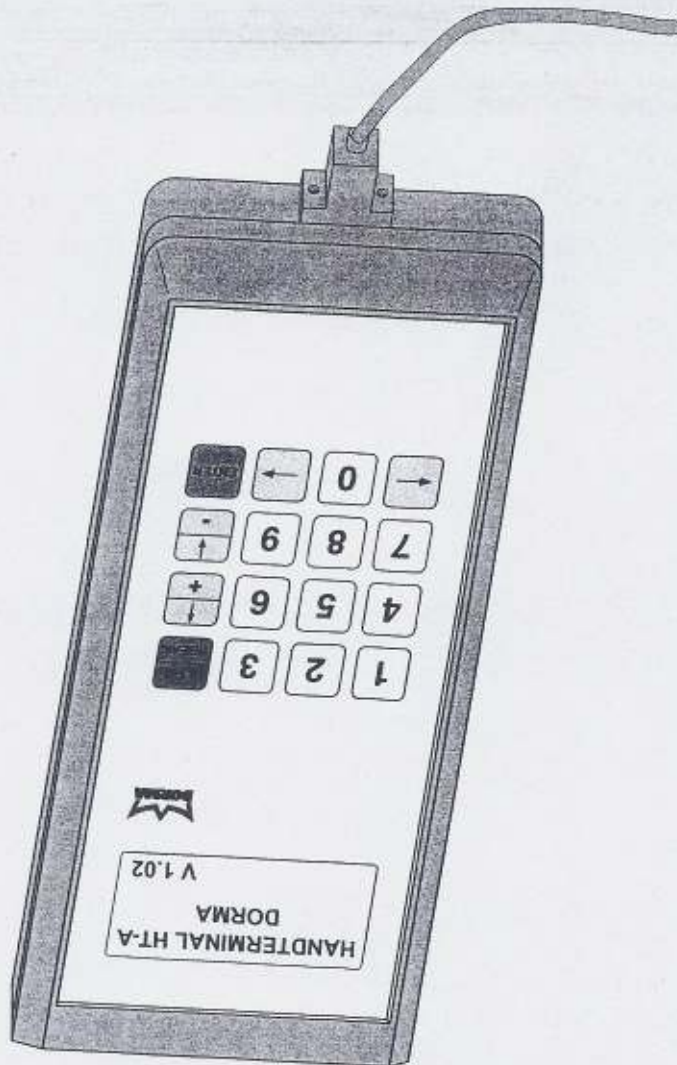


Operating Manual

DORMA Hand Terminal HT-A Software Version V 1.02

Commissioning, parameter modification and diagnostics of controls units on automatic sliding door systems



Attention!

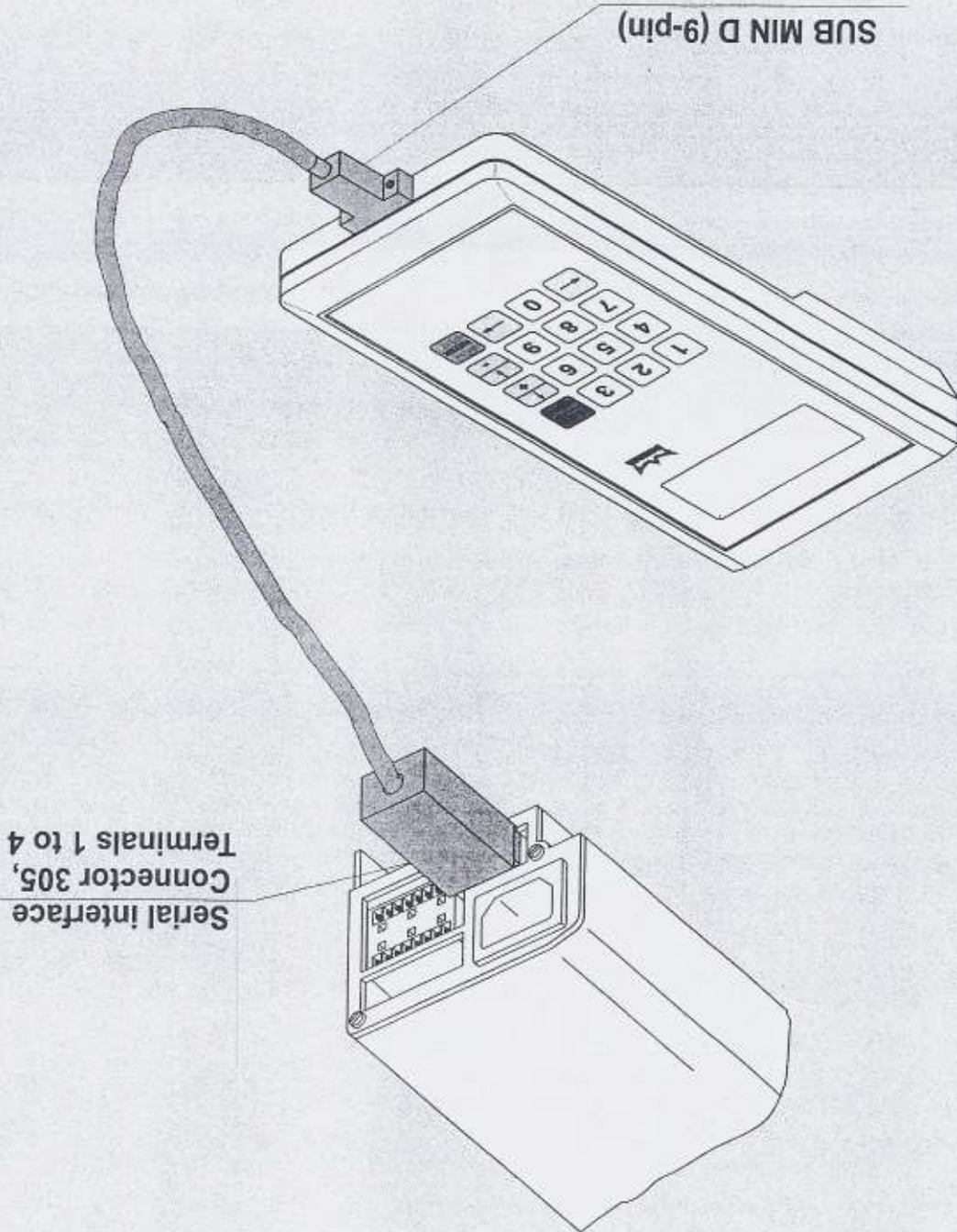
This manual is only for the ES-A operator.

Hand Terminal software version HT-A V 1.02

August 2001 edition

DORMA Hand Terminal HT-A

Connection of Hand Terminal to ES-A control board



Select dialogue language!
Choix de langue!
Scelta di lingua!

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E

HAND TERMINAL HT-A
DORMA
V 1.02

- Main Menu - 1

0 = Fault list
1 = Set Values
2 = Components Test >

- Main Menu - 2

3 = Factory Test
4 = Door Variants
5 = Basic Setting >

- Main Menu - 3

6 = Dialogue Language Management System
7 = Management System
8 = Activation Pulse >

- Dialogue Language - 1

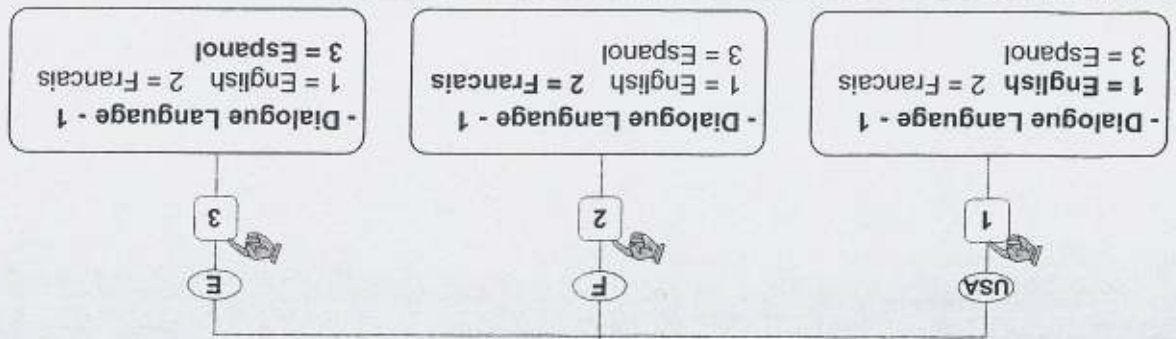
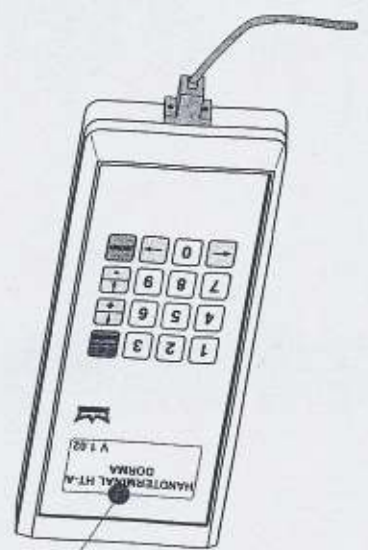
1 = English 2 = Francais 3 = Espanol
Input 1 - 3? Enter

1. ENTER

2. ←

3. ←

4. 6



Drawing, Connection of Hand Terminal

Page 2

Select Dialogue Language

Page 3

Contents

Page 5

General

Page 7

Keypad

Page 9

Main Menu

Pages 10 - 11

Fault List

Pages 12 - 13

Set Values

Pages 14 - 15

Components Test

Pages 16 - 17

Factory Test

Pages 18 - 19

Door Variants

Pages 20 - 21

Basic Setting

Pages 22 - 25

Dialogue Language

Pages 26 - 27

Management System

Pages 28 - 29

Activation Pulse

Pages 30 - 31

Complete System

Pages 32 - 33

Index

Pages 34 - 38

General

The DORMA Hand Terminal is an ideal tool for fast and effective performance of commissioning, diagnostics, testing and fault rectification work in relation to sliding doors and drive units (operators). It is particularly easy and convenient to use, and can help greatly in reducing the amount of work and time involved. The dialogue between the user and the door control unit is performed via the 16-element keypad and the display window. The display window has 4 lines with 20 characters/columns per line and menu page (Fig. 1). The display constantly shows the number of the software version (HT-A) in its bottom right corner - in this case V1.02.

Connection

The connection between the ES-A control system and the Hand Terminal is provided by a cable. Cable connection to the Hand Terminal = 9-Pin SUB MIN D connector Connection between Hand Terminal and ES-A control = Serial interface of the ES-A control unit, connector, terminals 1-4.

Once the connection between the Hand Terminal and the ES-A control has been completed, the unit is ready to operate and the "Start Menu" appears in the display.



Fig. 1 "Start menu" display

Functional description

Operation is guided by an easy comprehensible and clearly arranged menu structure with the operator being prompted through the various stages and menu groups by means of a step-by-step dialogue.

Keypad and key functions (see also Fig. 2)

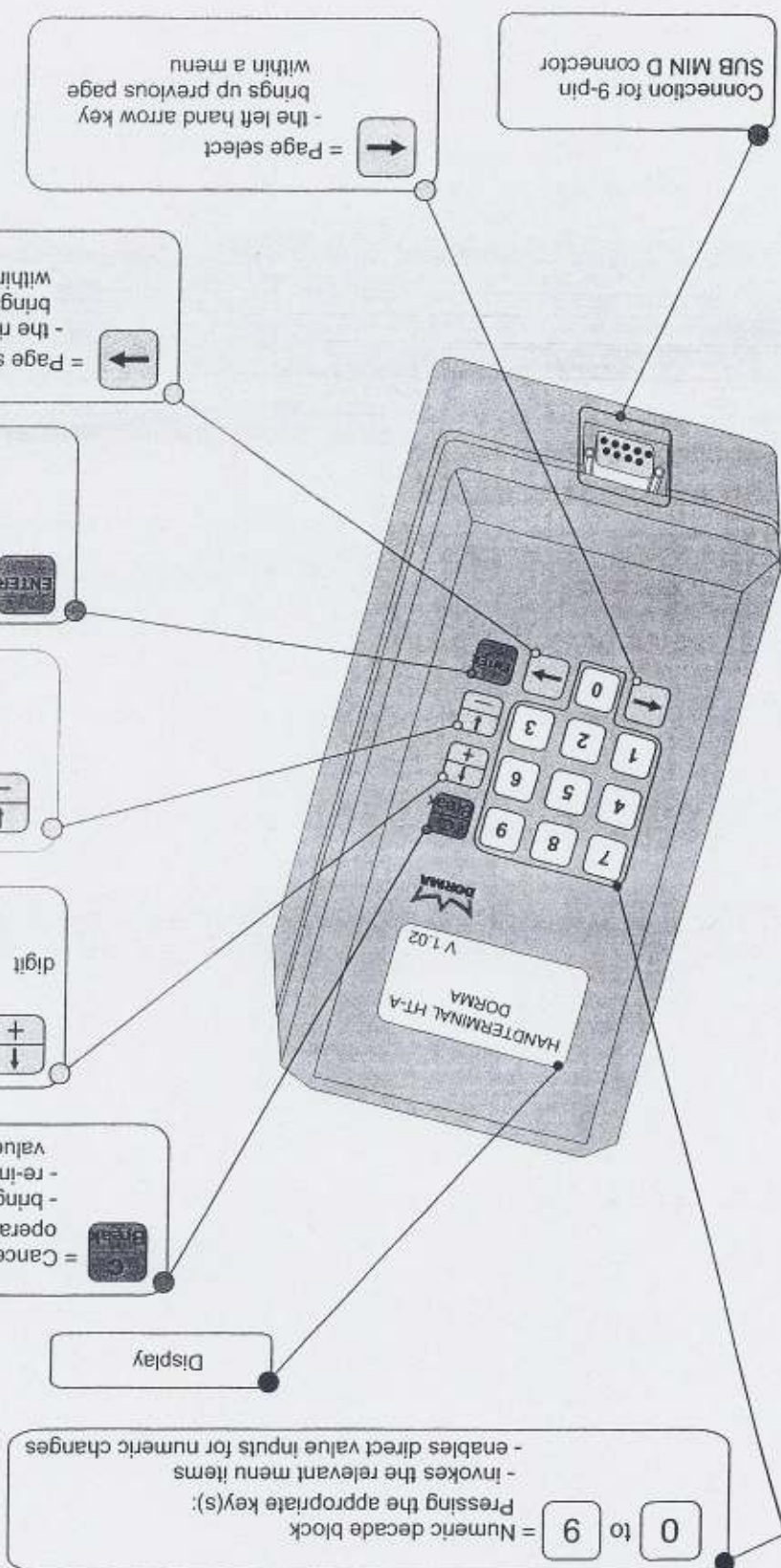
A specific menu item can be called up by entering the corresponding numeric sequence. If a menu has more sub-items than can be shown in the display (4 lines at 20 columns), an arrow appears in the bottom right hand corner of the display (>) to indicate that further display pages are available for viewing. The menu pages are consecutively numbered and the appropriate number appears in the top right hand corner of the display. The arrow keys serve to display the previous or next page within a menu. Values can be changed either directly using the keypad or by operating the + sign and - sign keys (+ sign increases the value by one digit; - sign decreases the value by one digit).

Operation of the C/BREAK key immediately returns the user to the main menu regardless of the current page. The C/BREAK key can also be used to implement a "recall" (reinstates previous value) function.

Warning! "Recall" function only available if new input has not yet been confirmed with ENTER.

Thus, if you have made a mistake when entering a value, you can re-instate the original value by pressing the C/BREAK key.

The ENTER key has several functions. Essentially, its main function is to confirm each entry. This means that any change implemented in the Hand Terminal is only accepted if the ENTER key has been pressed to confirm. This then initiates transmission of the change to the control system where it is stored as a new setting. The ENTER key can also be used to change pages within a menu or as the return button, but it will only take you to the next highest menu (dialogue level).



DORMA Hand Terminal HT-A

Main Menu

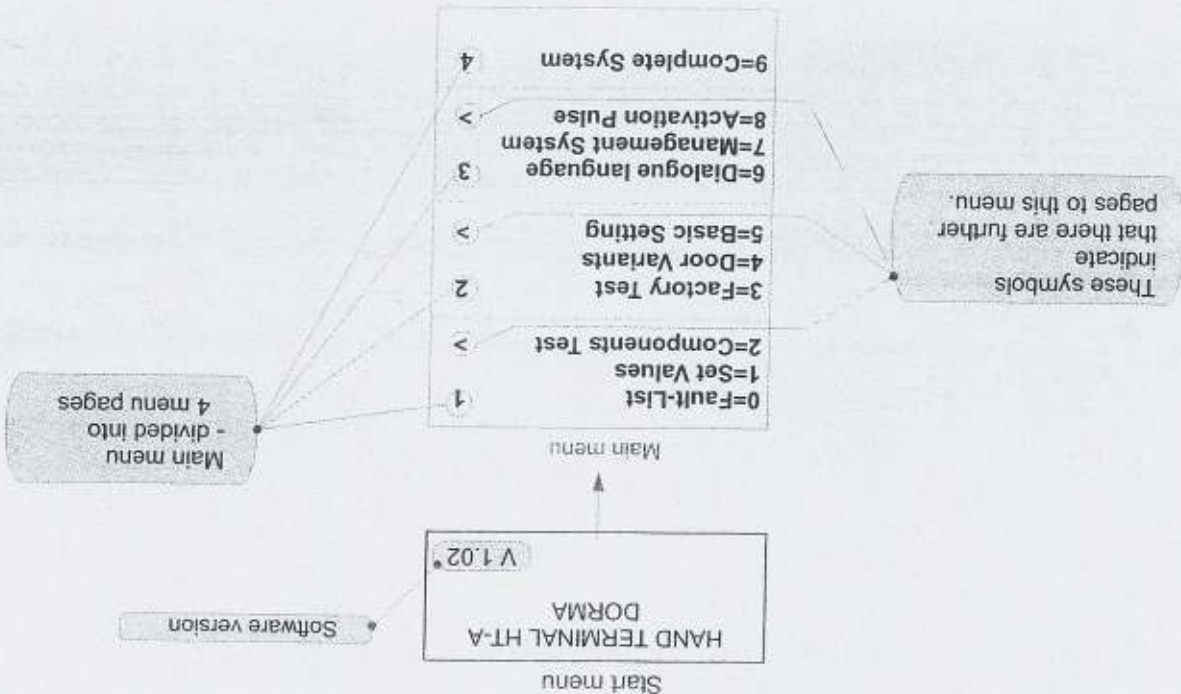
The main menu is subdivided into 10 submenus 0 to 9 (see Main Menu diagram). These 10 submenus take up to 4 pages due to the limited space available in the Hand Terminal display.

Selecting a function Press the number (0 to 9) corresponding to the function menu you wish to access. The selected function menu is called up and appears in the display. All these function menus are subdivided into one or several submenus. The submenu for the function you require can be called up either by pressing the appropriate numeric key or by scrolling using the arrow keys.

Caution! Only applies to main menu!

In the Main menu, numeric key 8 is defined as a function key, and when pressed will initiate an opening signal. In the Main menu, numeric key 9 is exclusively used for calling up the primary system data.

Main menu structure



Example: Scrolling through all the pages of the main menu.

Requirement:

The Hand Terminal has been connected and the start menu appears in the display.

HAND TERMINAL HT-A
DORMA
V 1.02



Key sequence

Display

Description:

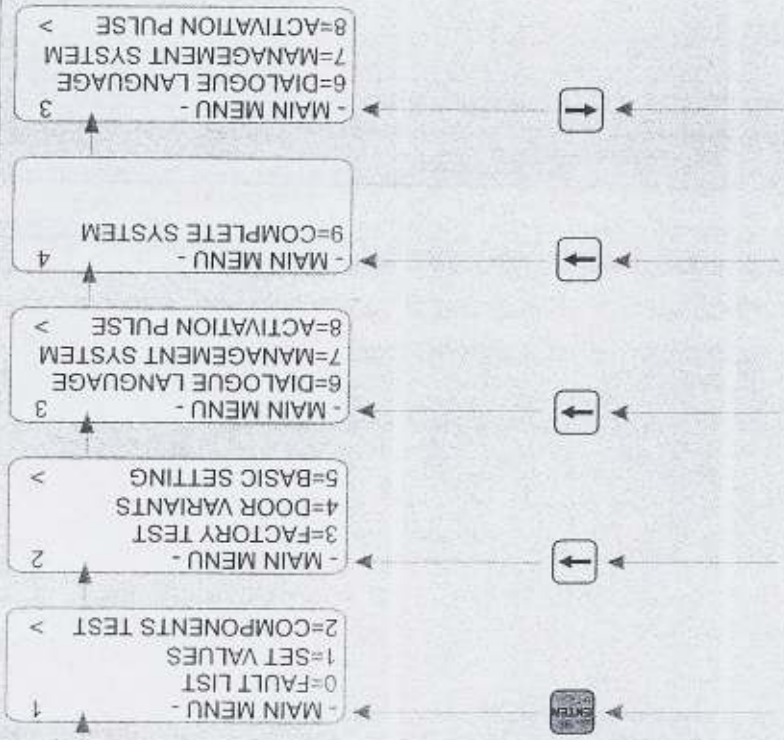
1. Press ENTER key
- the Main menu is called up in the display

2. Press the right hand arrow key
- the second page of the main menu is shown in the display.

3. Press the right hand arrow key
- the third page of the main menu is shown in the display.

4. Press the right hand arrow key
- the fourth page of the main menu is shown in the display.

5. Press the left hand arrow key
- the previous page of the main menu is shown in the display.



Fault message in main text

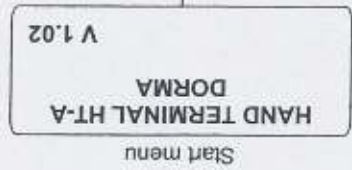
The fault list is provided as an aid to trouble-shooting.

In the function menu 0 = Fault List, 34 possible faults (0 to 33) are listed on 34 menu pages (1-34).

The fault is described in short-hand plain text. The listed faults exclusively constitute *maybe faults*, and the cause for a malfunction may thus lie elsewhere.

The fault list is not exclusive or exhaustive and should only be regarded as a guide

Summary of menu structure: Menu item "0=Fault list"



Main menu

0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
--------------	--------------	-------------------	----------------	-----------------	-----------------	---------------------	---------------------	--------------------	-------------------

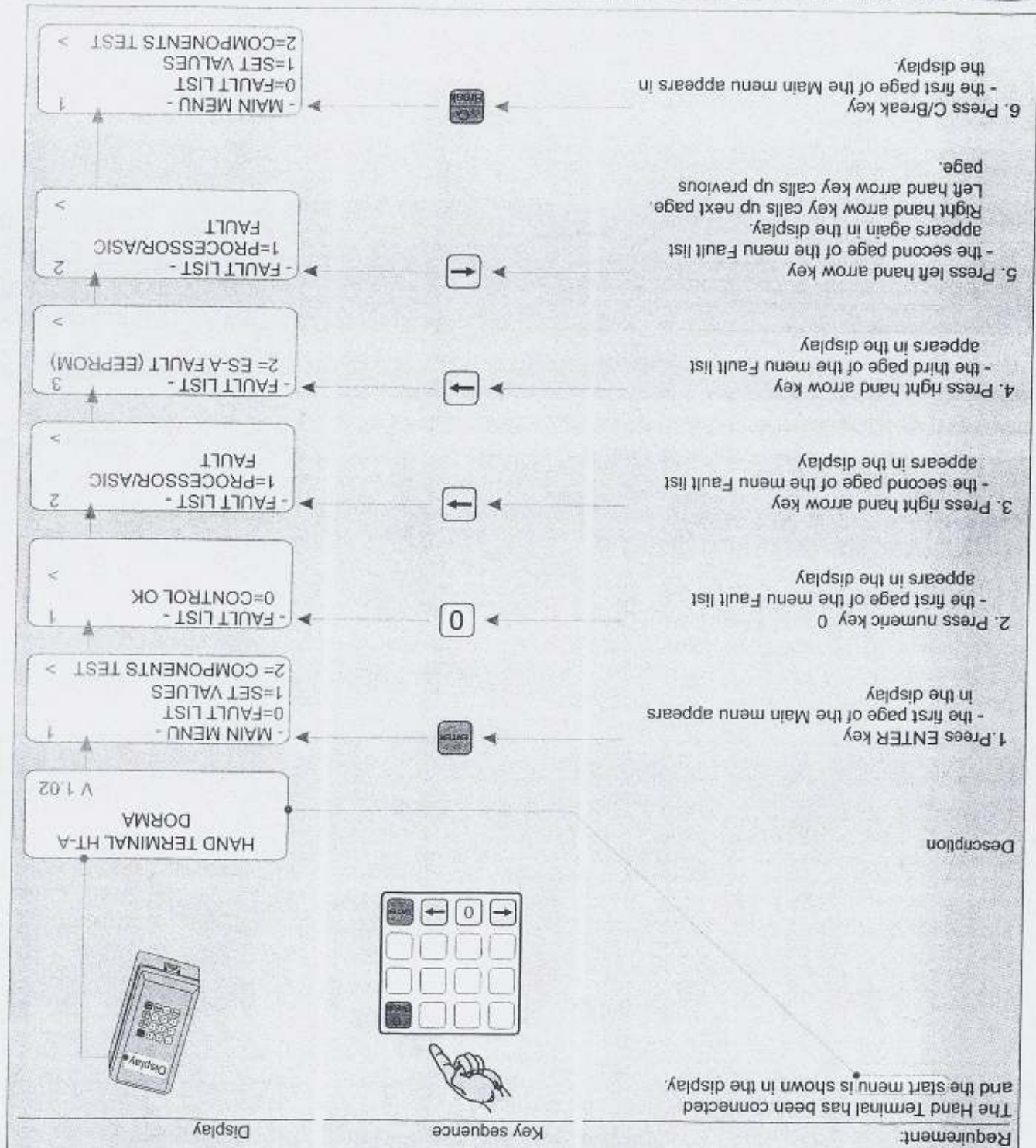
Fault list submenu

Page 1	→ 0 = Control OK
Page 2	→ 1 = Processor/ASIC Fault
Page 3	→ 2 = ES-A Fault (EEPROM)
Page 4	→ 3 = Fault, Program switch
Page 5	→ 4 = Obstructed Lock
Page 6	→ 5 = Battery Fault
Page 7	→ 6 = Rev. Force Failure
Page 8	→ 7 = Param. Test Failure
Page 9	→ 8 = RAM, EPROM, CPU Fault
Page 10	→ 9 = Door Obstructed
Page 11	→ 10 = Emergency Button On
Page 12	→ 11 = Perm. Pulse Internal
Page 13	→ 12 = Perm. Pulse External
Page 14	→ 13 = Lock / Lim. Swit. Fault
Page 15	→ 14 = -
Page 16	→ 15 = Nighv/Bank Fault
Page 17	→ 16 = Perm. Pulse Lead. Edge
Page 18	→ 17 = Parameter Test Failure
Page 19	→ 18 = Encoder/Motor Fault
Page 20	→ 19 = Fault, Safety Beam
Page 21	→ 20 = Lock Fault
Page 22	→ 21 = -
Page 23	→ 22 = Fault (A/D Converter)
Page 24	→ 23 = -
Page 25	→ 24 = -
Page 26	→ 25 = -
Page 27	→ 26 = -
Page 28	→ 27 = -
Page 29	→ 28 = Undefined Motor
Page 30	→ 29 = Undefined Lock Type
Page 31	→ 30 = 2. Circuit Breaking
Page 32	→ 31 = Motor Excess Voltage
Page 33	→ 32 = Temperature to High
Page 34	→ 33 = Fault Program Mode

Main menu

0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
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Example: Select a fault from the fault list.
In menu 2=Testing and its associated submenu 2=Fault display, the displays shows:
Fault OLD 1 = 12 (PERM. PULSE EXTERNAL)



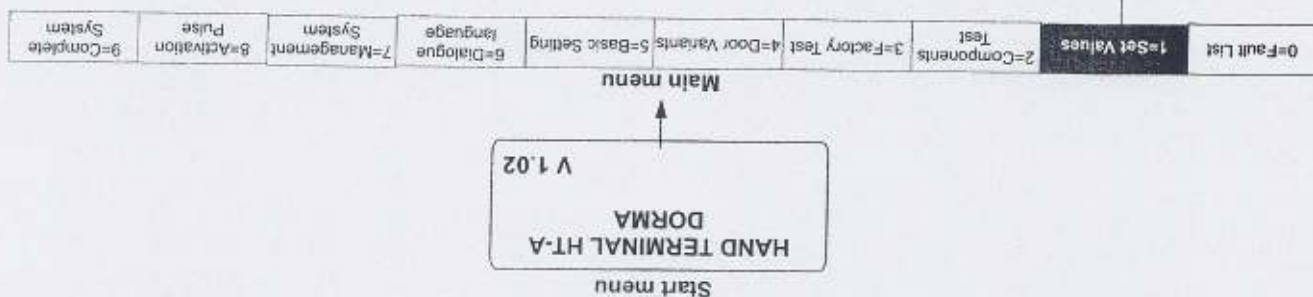
In the **Set Values** function menu, the factory-set standard settings can be optimised. Here, for example, the speeds and the opening and closing times can be finely adjusted to suit individual and local conditions.

The current settings are shown in the display. These values can either be directly modified by entering the required numerical values, or increased and decreased using the +/- keys. All the values shown in the display are percentages.

Changes to the lockout setting are only accepted by the control unit once the new setting has been confirmed by pressing the ENTER key and the door has completed an opening and closing cycle.

! The new settings are not saved until the door is in its open position

Summary of menu structure: Menu item "1 = Set Values"



0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue Language	7=Management System	8=Activation Pulse	9=Complete System
--------------	--------------	-------------------	----------------	-----------------	-----------------	---------------------	---------------------	--------------------	-------------------

1 - Set Values

Example: menu, select page 2: CLO
Closing speed
Closing speed

Requirement

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Key sequ

Display



HAND TERMINAL HT-DORMA

MAIN MENU -

=FAULT LIST

=SET VALUES

=COMPONENTS TEST

OPENING SPEED -

SET VALUES -

CLOSING SPEED -

SET VALUES -

= xx in/sec

>

V= xx in/sec

CLOSING SPEED

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DORMA Hand Terminal HT-A

Menu 2 - Components Test

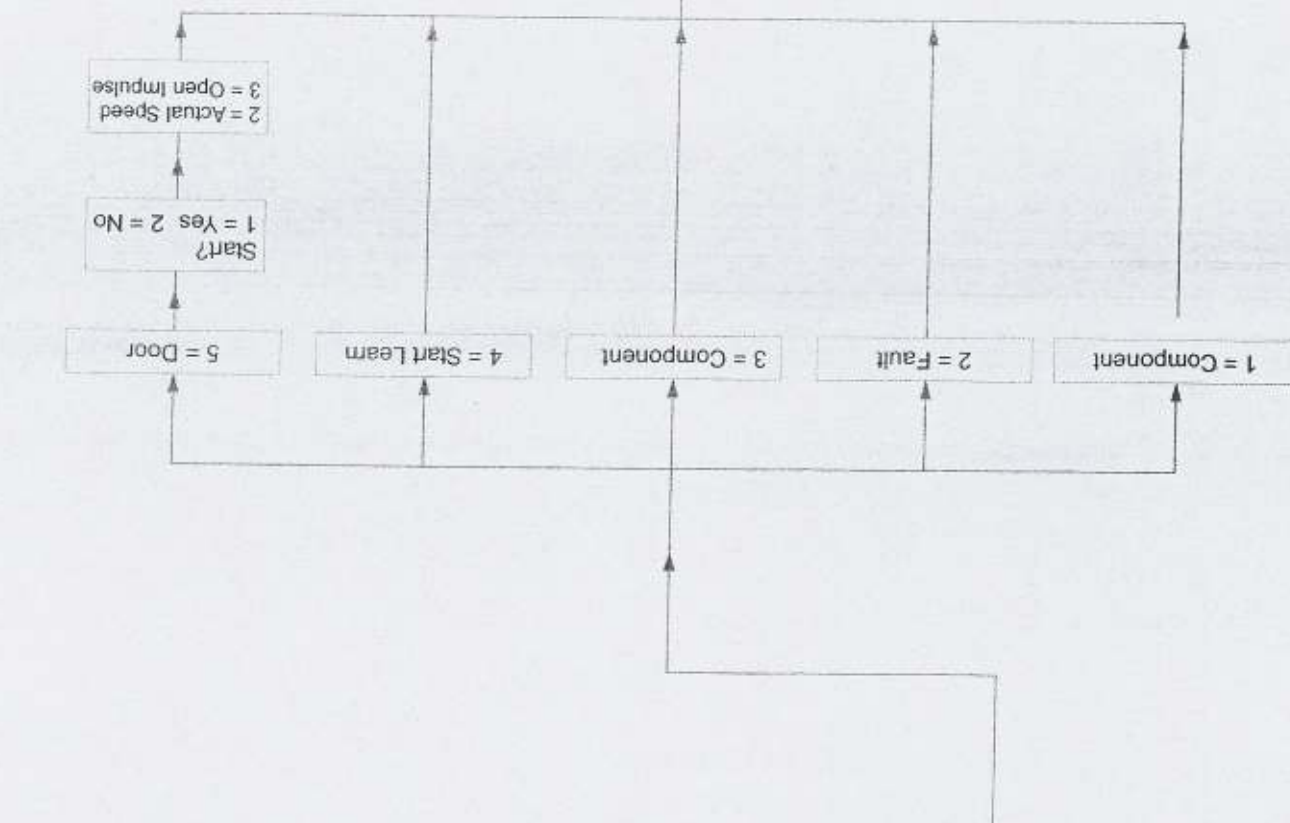
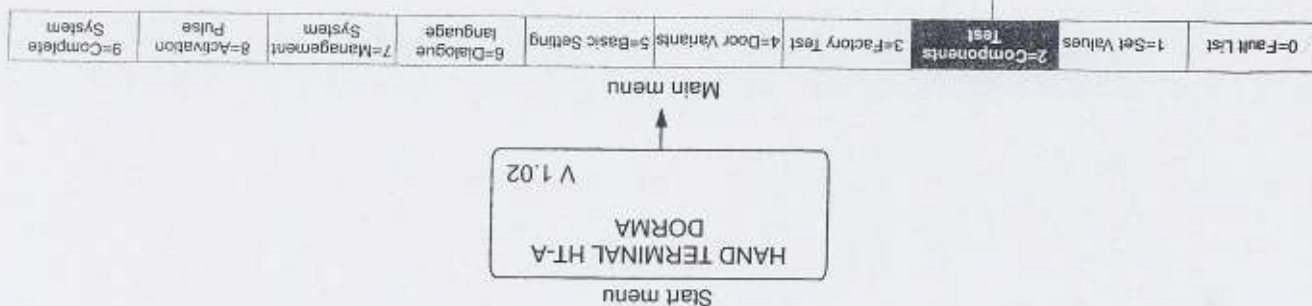
2

The 2 = Components Test menu is a pure display and test directory. It branches into the following submenus:

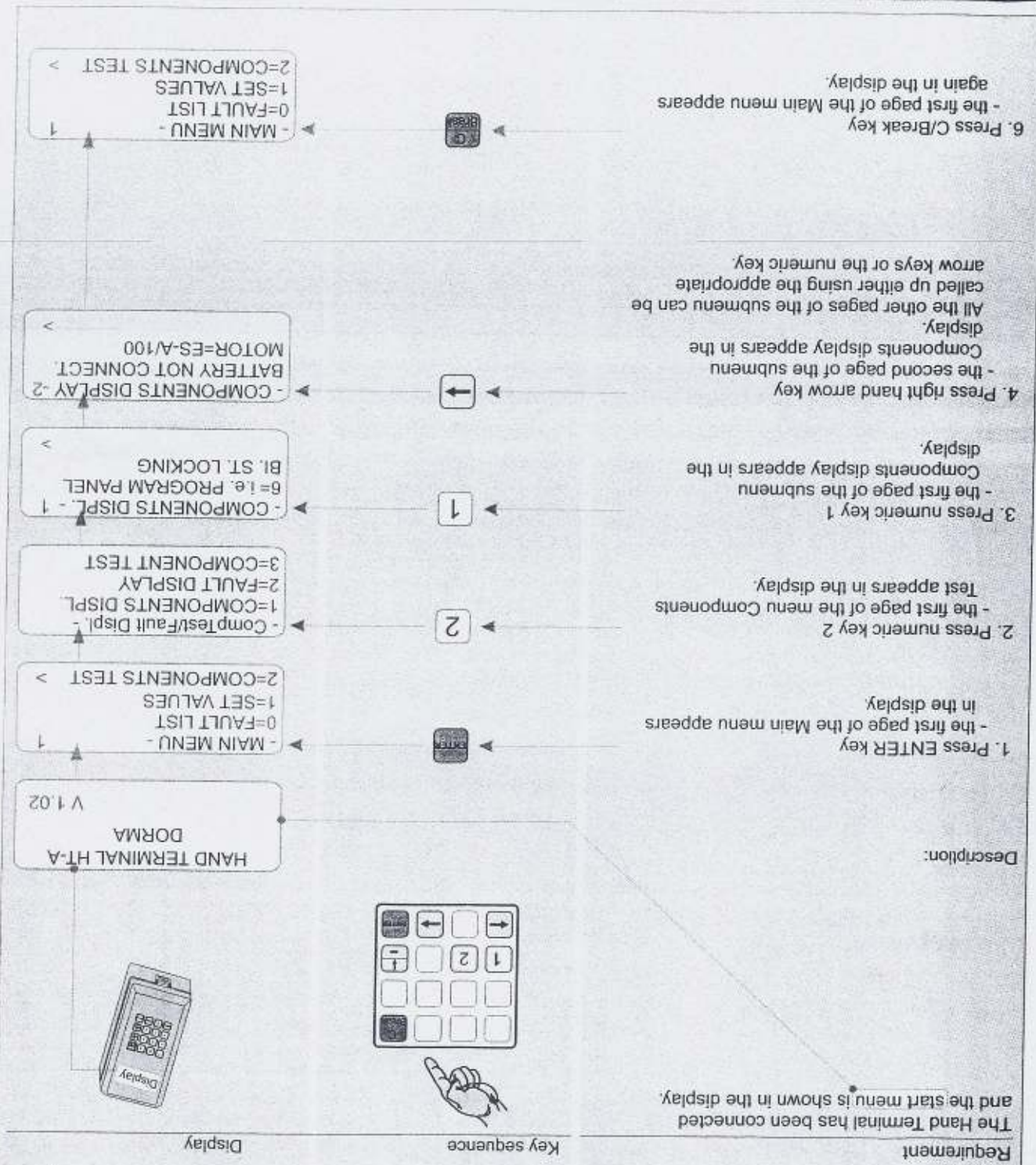
- Components Display
- Fault Display
- submenu "Start"
- submenu "Actual Speed/ Open Impulse"
- Start Learn Cycle

The submenus show the components that are connected, and enable these to be tested. The Fault display submenu lists the three last faults to have occurred (Old 1 to Old 3).
The Start submenu is a help menu. If a check run is initiated, the display shows the current speed, and if the door is operating correctly and fault-free, the speed value remains constant.
If the door is not running freely or is rubbing, the speed value will fluctuate.

Summary of menu structure: Menu item "2 = Components Test"



Example:
In the 2 = Components Test menu, access the Components submenu.
Determine which components have been connected.
Which lock has been connected or not, and which motor is installed.



DORMA Hand Terminal HT-A

Menu 3 - Factory Test

3

Menu item 3 = Factory Test is an internal test program.
Warning! Only for factory testing.

Controls without a back-up battery pack or back-up battery module:
In the emergency-off test, the fault EMERGENCY-OFF TEST FAULT is displayed because there is no back-up battery pack to open the door. The door must be opened by hand in order to avoid this fault message

Summary of menu structure: Menu item "3 = Factory Test"

Start menu

HAND TERMINAL HT-A
V 1.02

Main menu

0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
--------------	--------------	-------------------	----------------	-----------------	-----------------	---------------------	---------------------	--------------------	-------------------

Only Factory Test!
Door in closed position
Bridge Emer. Off
Input Cycl. Num.: 10

Component-test

Main menu

0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
--------------	--------------	-------------------	----------------	-----------------	-----------------	---------------------	---------------------	--------------------	-------------------

Menu 3 - Factory Test 3



Key sequence

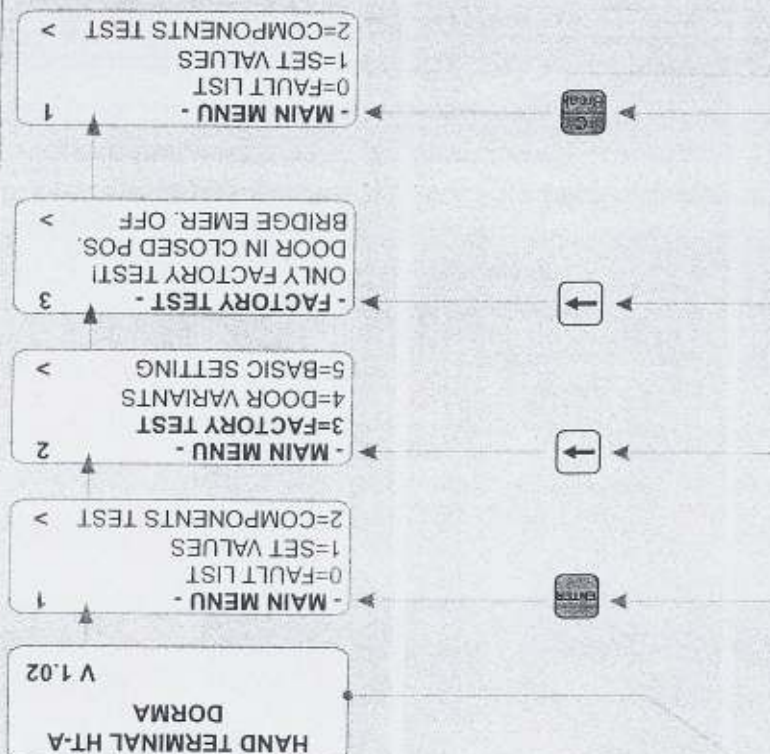
The Hand Terminal has been connected and the start menu is shown in the display.



HAND TERMINAL HT-A
DORMA

V 1.02

1. Press **ENTER** key
 - the first page of the **Main menu** appears in the display.
2. Press numeric key **3**
 - the first page of the menu **Initial test** appears in the display.
3. Press **right hand arrow key**
 - the second page of the menu **Initial test** appears in the display.
 - All the other pages of the menu can be called up using the appropriate arrow keys.
4. Press **C/Break key**
 - the first page of the **Main menu** appears in the display again.



Using menu item 4 = Door Variants, various door types can be selected, thus automatically invoking factory-preset parameters. Once a door type has been selected and confirmed by pressing the ENTER key, the data is automatically loaded into the control. Subsequent adjustments are still possible.

In the **Special additional parameter adjustment** submenu, various special functions and door parameters can be set, and these are listed in the menu summary. In the **Special unit** submenu, specific functions can be entered to customise the system and these are also listed in the menu summary.

Force limitation: At values below 30%, it is possible that heavy doors will no longer operate.

Only Factory!

Incremental encoder: If the incremental encoder is mounted on the return pulley, proceed as follows:

1. Push door to its CLOSED position
2. Connect Hand Terminal
3. Connect power supply (insert mains plug)
4. In the submenu **Special controls** on menu page 5, set incremental encoder to 0 = Return pulley.
5. Perform learn cycle
6. Set door parameters

Summary of menu structure: Menu item "4 = Door Variants"



0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
--------------	--------------	-------------------	----------------	-----------------	-----------------	---------------------	---------------------	--------------------	-------------------

Main menu

1 = ST Sliding Door
6 = Spec. Add. Par. Adj.
8 = Special Unit

6=Special Add. Parameter Adj.

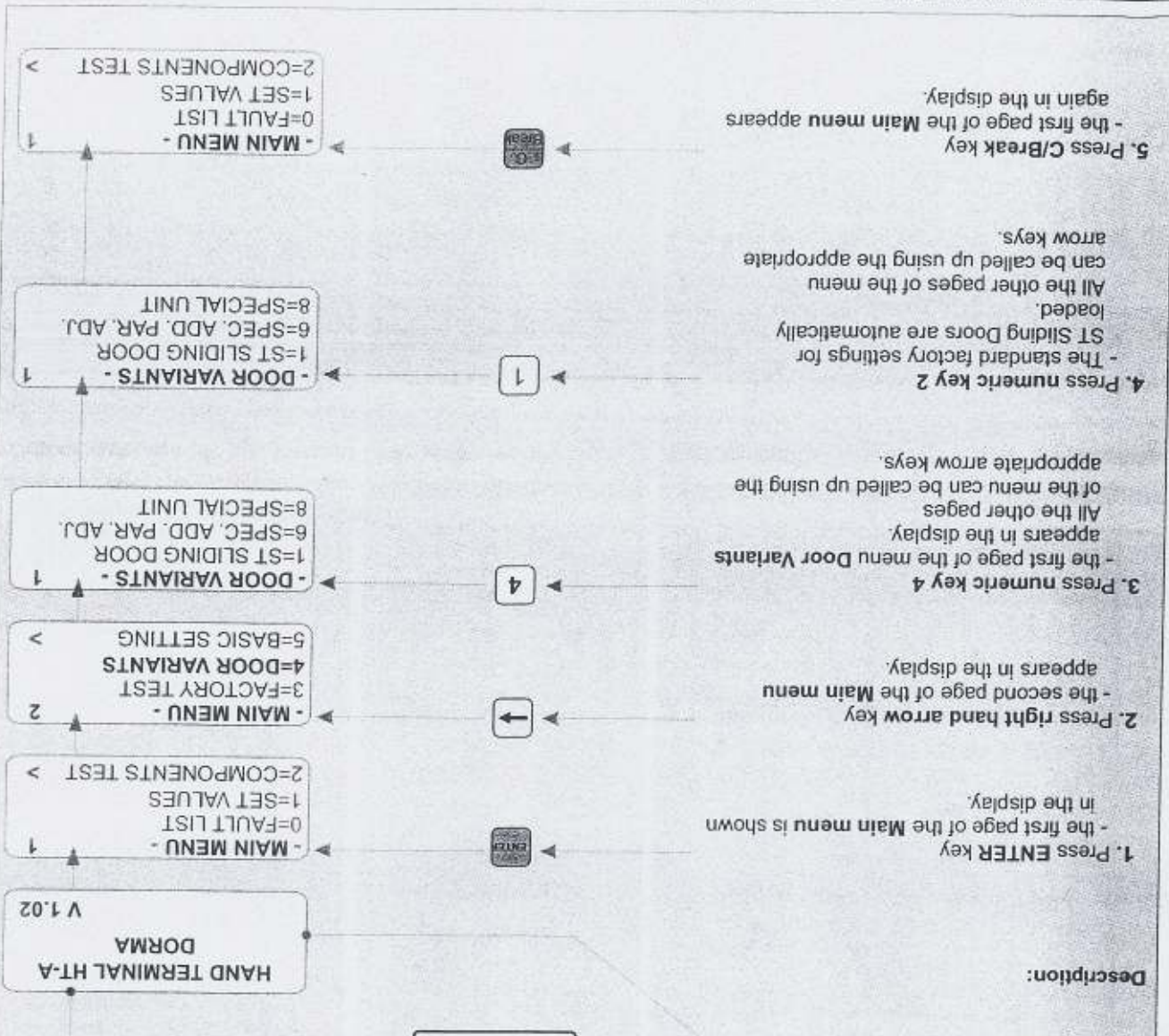
1 = Rev. Force, Adj. Close
2 = Rev. Force, Adj. Open
3 = Encoder
4 = Low Speed Distance Closed
5 = Low Speed Distance Open
6 = Acceleration Opening
7 = Acceleration Closing
8 = Battery Operated
9 = Partial Open Distance
10 = Opening at Exit
11 = Pos. Float, Free Cont.
12 = Pos. Float, Free Cont.
13 = Pos. Float, Free Cont.
14 = Pos. Float, Free Cont.
15 = Select Locking
16 = Select Locking
17 = Select Locking
18 = Select Locking
19 = Select Locking
20 = Door Synchronisation ON/OFF
- 21 = Syncr. Pro. Switch
- 22 = Synchronisation Lock

8=Special unit

1 = Fall Secure Lock
2 = Motortype-Adjustment
3 = Motortype Variant
4 = Motortype Variant
5 = Lock Type Adjustment
6 = Lock Type
7 = Lock Type
8 = Lock Type
9 = Lock Type
10 = Lock Test
11 = Closing Re-Try
12 = Closing Torque Adj.
13 = Part. Open Only Via HT
14 = Panic Closing
15 = Air Lock
16 = Air Lock
17 = Time Delay
18 = Program Switch Type
19 = Program Switch Type
20 = Program Switch Type
21 = Program Switch Type
22 = Exit With Safe, Open
23 = Safety Beam-Type
24 = Presence Detector
25 = Presence Detector
26 = Encoder Test
27 = Door Obstructed
28 = Door Obstructed

Main menu

0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
--------------	--------------	-------------------	----------------	-----------------	-----------------	---------------------	---------------------	--------------------	-------------------



Key sequence

Requirements
 The Hand Terminal
 and the display.

Example 4 - Door Variants, and (bT).

- Door Variants

DORMA

The 5 = Basic Setting menu branches into several submenus.

The New Adjustment submenu branches into Basic Parameters and Copy Function.

Basic Parameters: The basic factory settings for the door types are stored in the Hand Terminal.

Pressing numeric key 1 directly copies these basic settings to the basic module (EEPROM).

The display in the Hand Terminal then shows Copy Function - Transfer - Successful, indicating

Copy function:

the parameters have been successfully transferred.

Pressing numeric key 2 calls up the Copy Function submenu in the display.

Copy function 1 = Parameter transfer BM >>> HT

The parameters stored in the basic module (BM) are copied to the

Hand Terminal.

The display in the Hand Terminal then shows:

Copy function 2 = Parameter transfer HT >>> BM

The parameters stored in the Hand Terminal are copied to

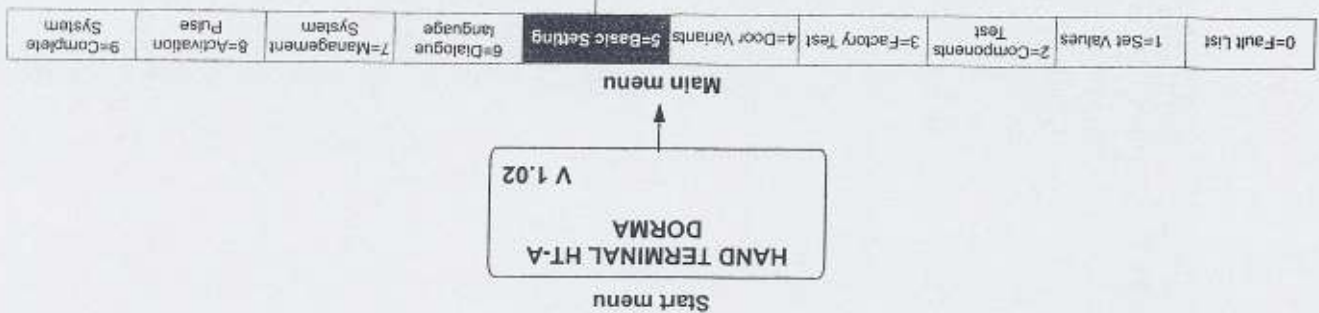
the basic module (BM).

The display in the Hand Terminal then shows:

Copy function successfully performed.

Submenu 2 = New Operator Number is described in detail on pages 24 and 25.

Summary of menu structure: Menu item "5 = Basic Setting"



0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
--------------	--------------	-------------------	----------------	-----------------	-----------------	---------------------	---------------------	--------------------	-------------------

Main menu

- the first page of the Main menu appears again in the display.

```
0=FAULT LIST
1=SET VALUES
2=COMPONENTS TEST >
```

1. Press EN
- the first appears
in the d

2. Press right
- the second
appears

3. Press number
- the first setting
appears

4. Press number
- the second
setting

5. Press number
- the Copisplay,
Pressing elements
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The copressful
completing.
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Description:

Requirements

Example:

Adjustment 3: New Adjustment to perform the copy function

Basic Setting



Display

HAND TERMINAL HT-
DORMA

LA

MAIN MENU -

=FAULT LIST

=SET VALUES

#COMPONENT

MAIN MENU

FACTORY TE

=DOOR VARIA

BASIC SETTING

COPY FUNCTI

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2000

1. **INTERVIEW** ON THE WAY

DORMA Hand Terminal HT-A

The 5 = Basic settings menu branches into several submenus. The last stored door type is indicated in the display.

The **New ES address** submenu is a selection menu showing the addresses for the bus devices.

New ES address: ES 0

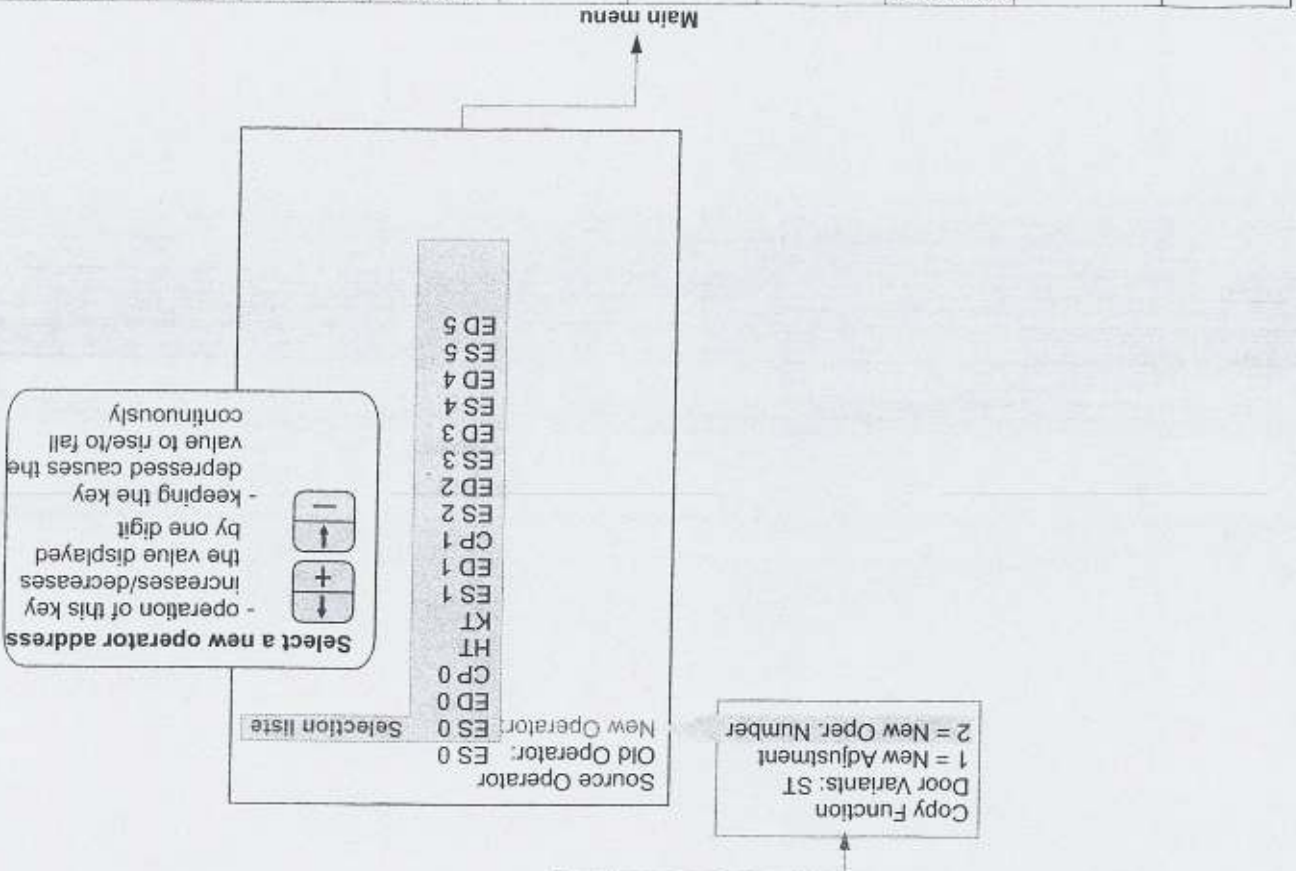
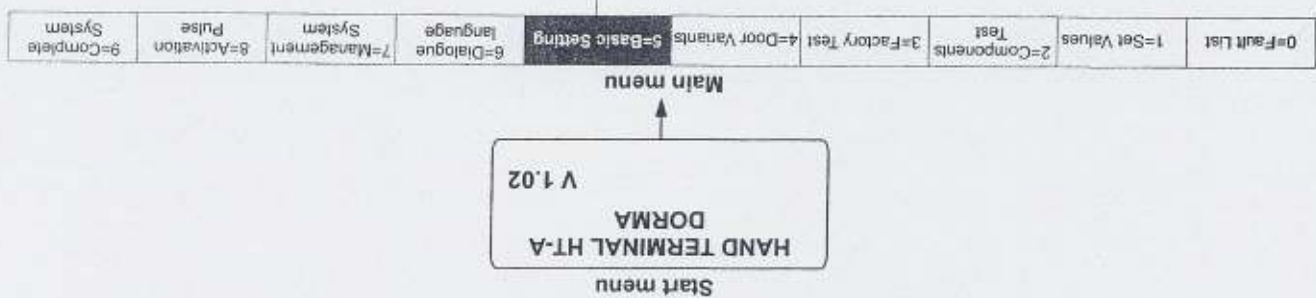
Pressing the   keys causes the addresses in the selection list to be displayed.

The address must be confirmed using the ENTER key.

Display then shows:
Setting successfully modified.

Each additional bus device must be assigned a new address, and each address must be different.

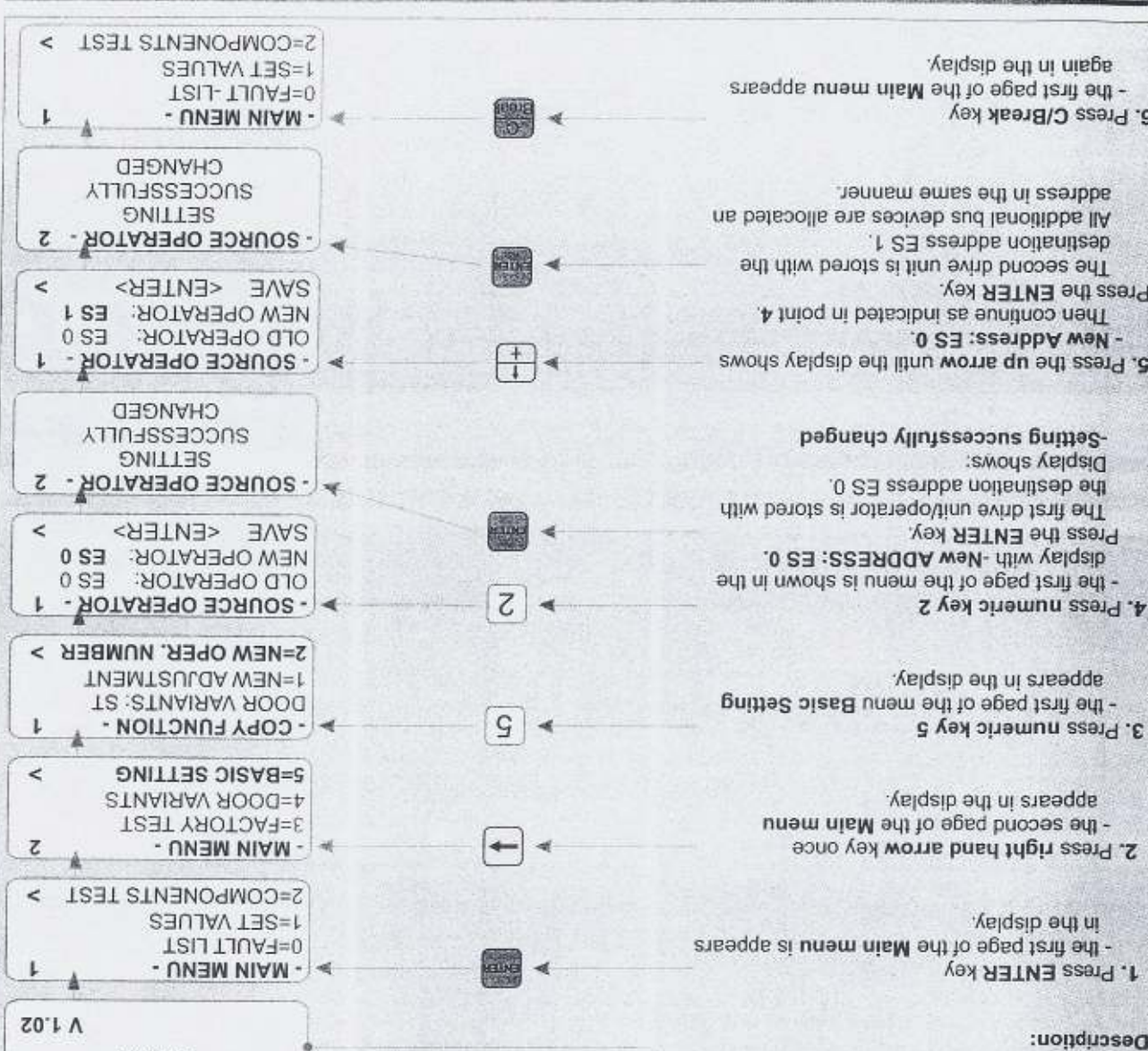
Summary of menu structure: Menu item "5 = Basic Setting"



Beispiel: Address assignment.
In the Basic Setting menu, a bus destination address can be assigned using the selection list where several systems are connected to one bus system.
e.g. 2 door sets

Requirement:

The Hand Terminal has been connected and the start-menu is shown in the display.



DORMA Hand Terminal HT-A

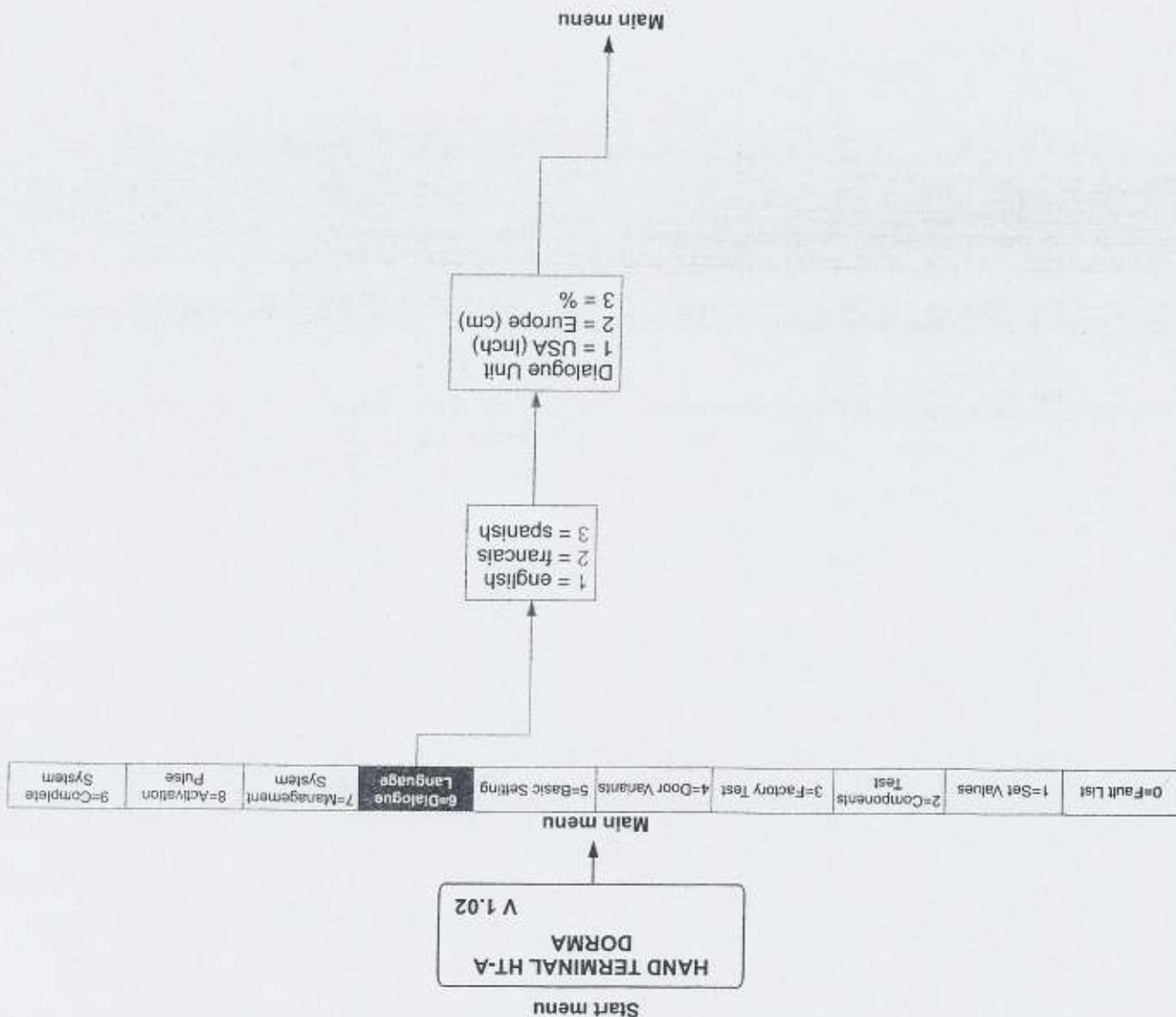
6 Menu 6 - Dialogue Language

Menu 6 enables you to select the dialogue language which you require. There are three languages available and these are selected by entering numeric values 1 to 3. Once the requisite numeric key has been operated, the display returns to the main menu where the text message in the display should now appear in the dialogue language selected.

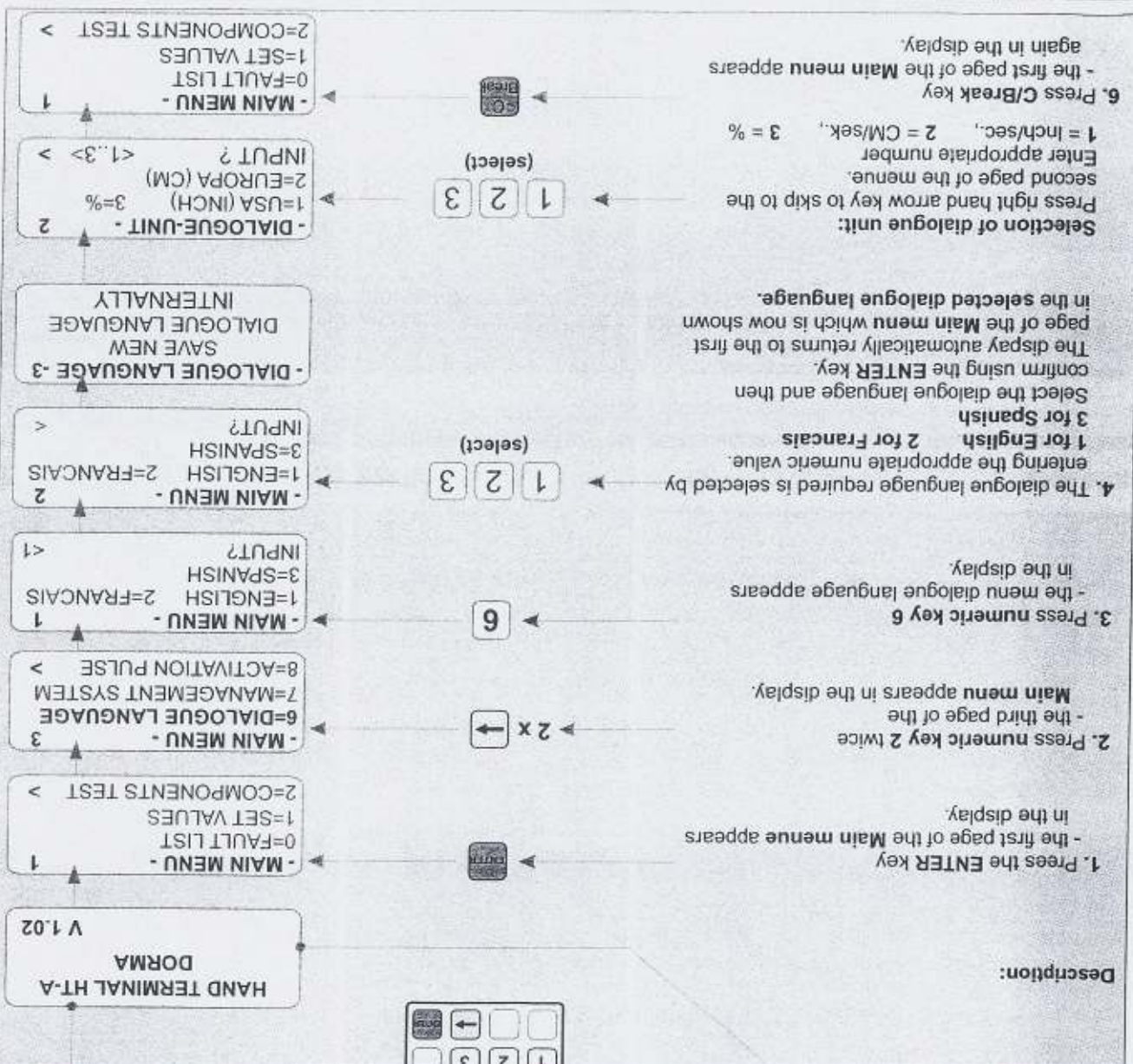
Choice of unit, - cm/sec. - Inch/sec. or % :
In subdirectory choice of dialogue language

Press button, subdirectory choice of unit appears in display, choose unit and confirm with **Enter**.

Summary of menu structure: Menu item "6 = Dialogue language"



0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue Language	7=Management System	8=Activation Pulse	9=Complete System
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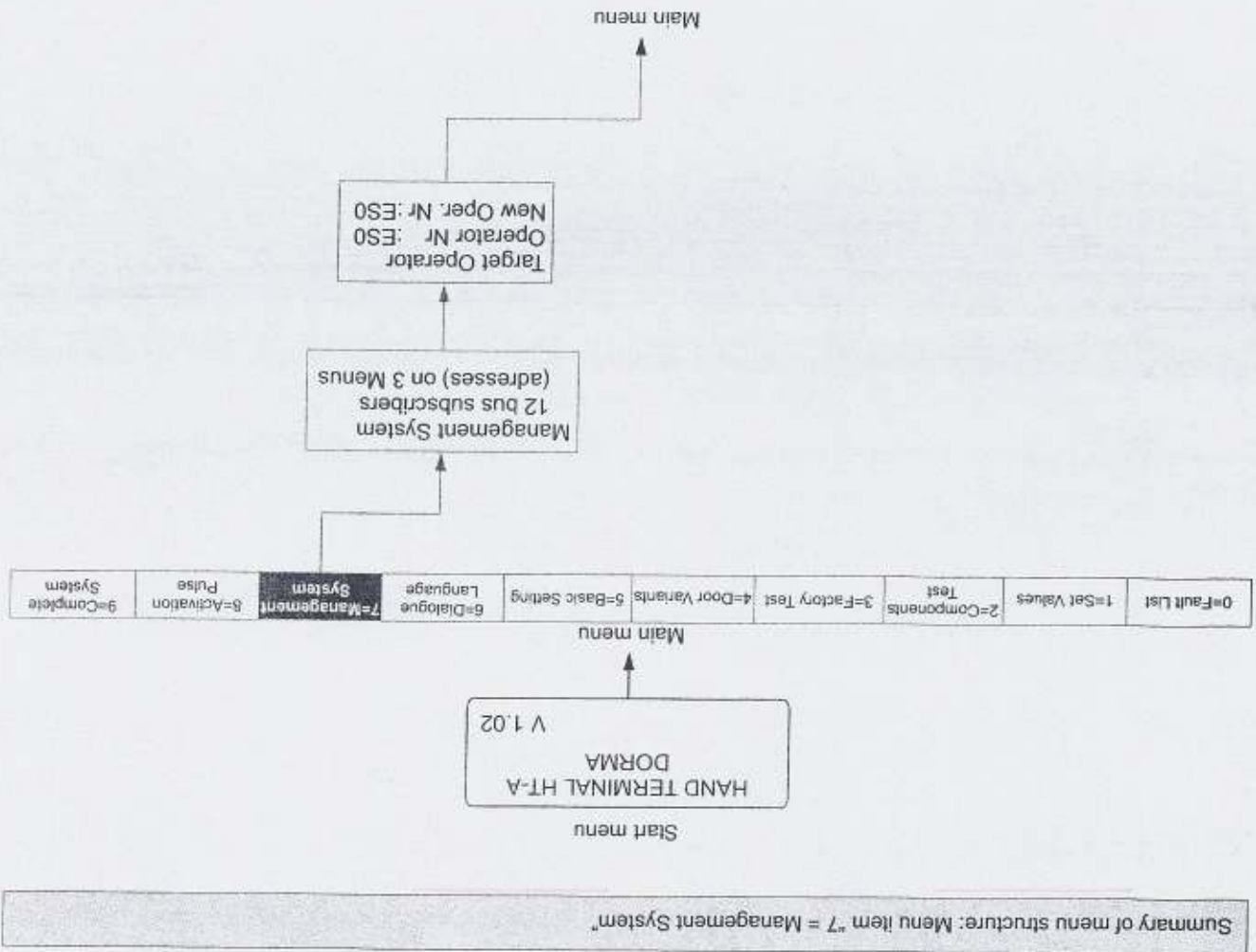
Key sequ Display

Example: language under Point 6

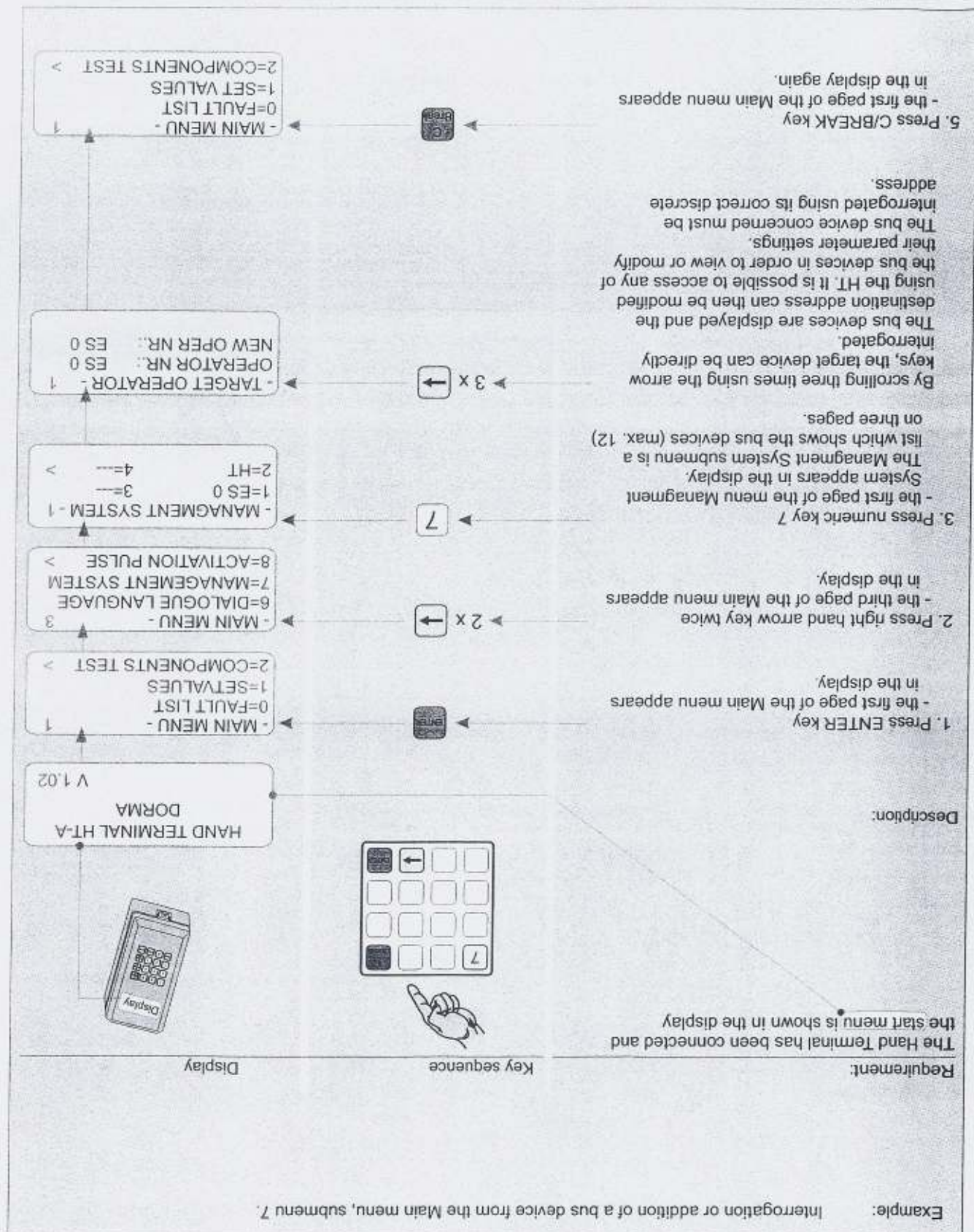
Dialogue language



Menu item 7 comprises 3 pages showing all the bus subscribers which are connected to the system. The destination subscriber submenu is a selection menu in which each of the individual bus subscribers can be directly accessed. Each bus subscriber must be accessed using its discrete address (see selection list page 24)). Where there are several devices in a bus system, the systems can be called up or adjusted from each bus device. For this, the HT bus destination address must be appropriately converted. Once the Hand Terminal has been connected to the control unit using the cable provided, the Hand Terminal always first interrogates the system/control unit with the destination address ES0. If the Hand Terminal is connected to a control unit which does not have the address ES0, the Hand Terminal will not be able to read the system parameters. The destination address must first be changed.



0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue language	7=Management System	8=Activation Pulse	9=Complete System
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DORMA Hand Terminal HT-A

Menu 8 - Activation Pulse

8

Warning! Only applies to the Main menu.
If the Main menu is active (i.e. being shown in the display), pressing numeric key 8 will initiate an opening signal corresponding to that emitted by an internal activator/detector.

Summary of menu structure: Menu item "8 = Activation Pulse"

Start menu

HAND TERMINAL HT-A
DORMA
V 1.02

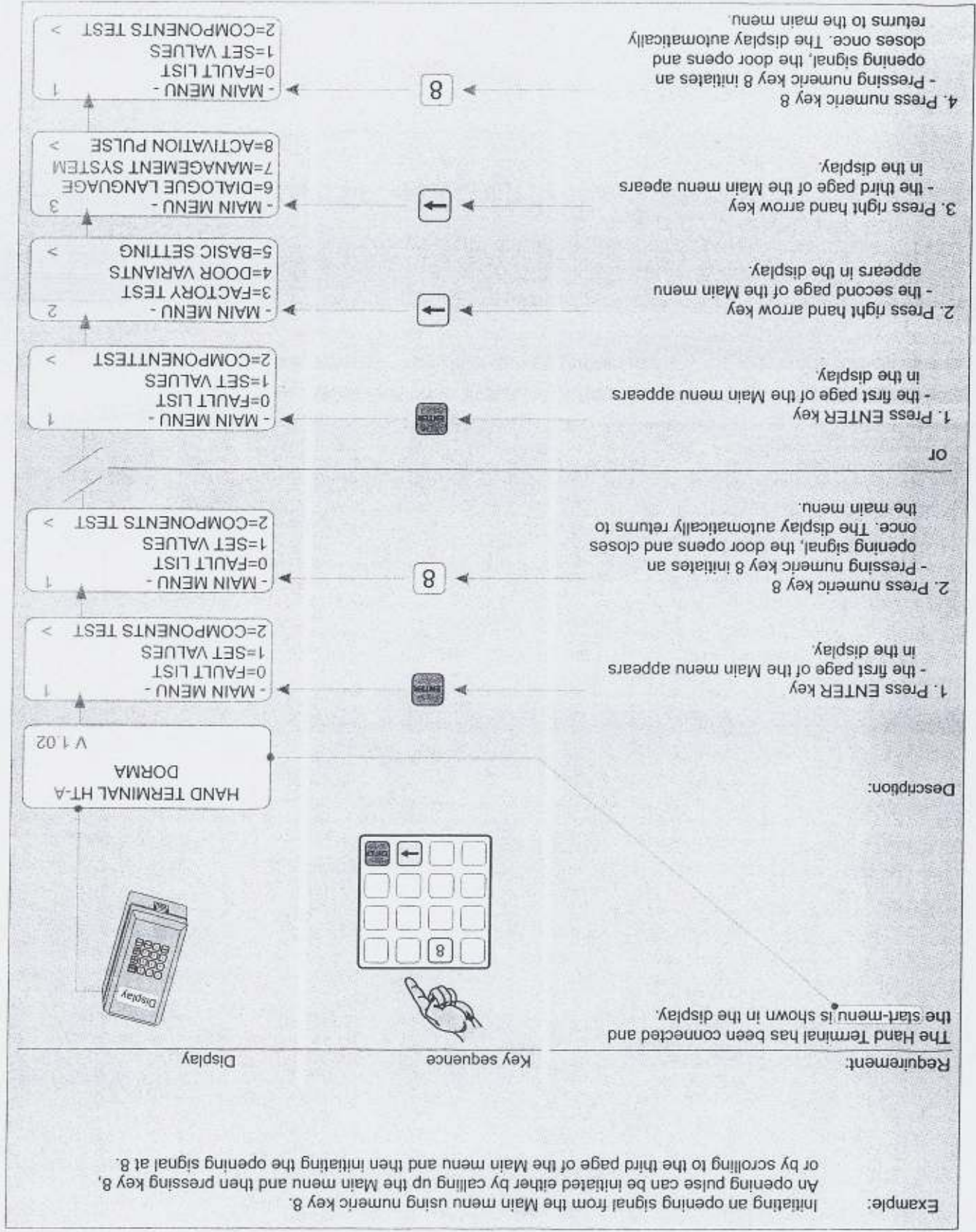
Main menu

0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue Language	7=Management System	8=Activation Pulse	9=Complete System
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Press 8

Main menu

0=Fault List	1=Set Values	2=Components Test	3=Factory Test	4=Door Variants	5=Basic Setting	6=Dialogue Language	7=Management System	8=Activation Pulse	9=Complete System
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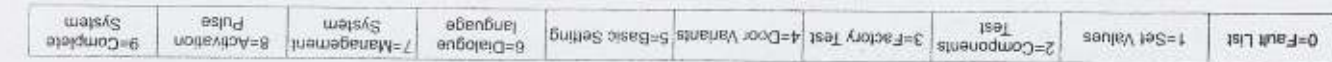
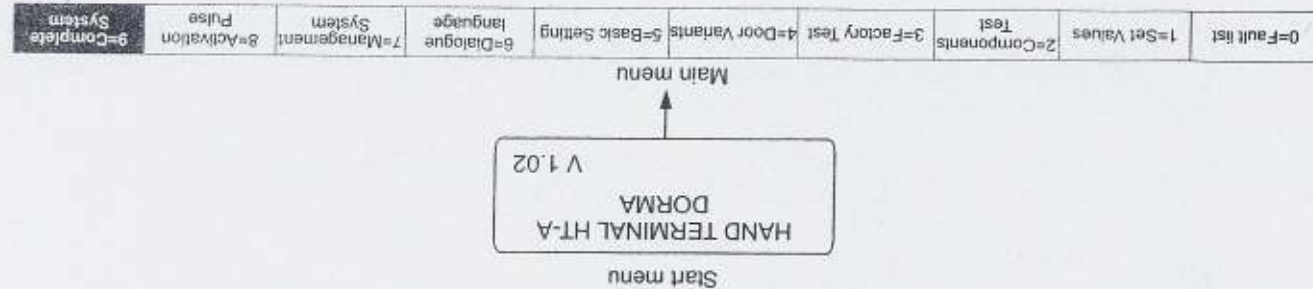


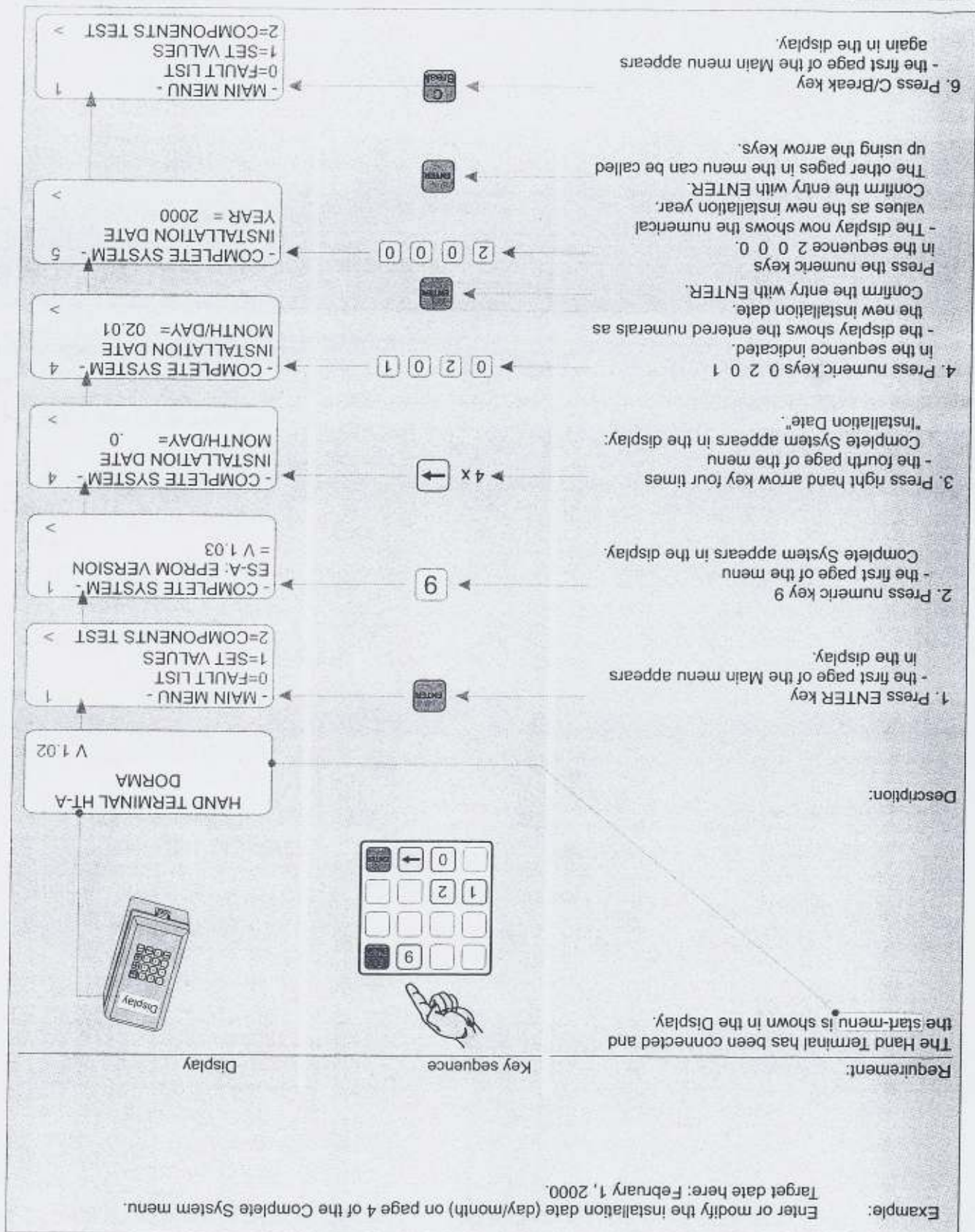
DORMA Hand Terminal HT-A

9 Menu 9 - Complete System

Under menu item 9 = complete system, system-specific data can be input and modified as required. The number of the current ES-A-EPPROM version is displayed.

Summary of menu structure: Menu item 9 = Complete System





Main menu item 0 = Fault list - 1 Submenu (1)

① Submenu, Fault list

Fault list on 34 menu pages.
The listed faults exclusively constitute
maybe faults and the cause for the
malfunction may thus lie elsewhere.
The fault list is not exclusive or
exhaustive and should only be
regarded as a guide.

0 = Control OK

1 = Processor / ASIC Fault

2 = ES-A Fault (EEPROM)

3 = Fault, Program Switch

4 = Obstructed Lock

5 = Battery Fault

6 = Rev. Force Failure

7 = Parameter Test Failure

8 = RAM / EPROM / CPU Fault

9 = Door obstructed

10 = Emergency Button On

11 = Perm. Pulse Internal

12 = Perm. Pulse External

13 = Lock Lim. Swit. Fault

14 = -

15 = Night/Bank Fault

16 = Perm. Pulse Lead. Edge

17 = Param. Test Failure

18 = Encoder/Motor Fault

19 = Fault, Safety Beam

20 = Lock Fault

21 = -

22 = Fault (A/D Converter)

23 = -

25 = -

26 = -

27 = -

28 = Undefined Motor

29 = Undefined Lock Type

30 = 2. Circuit Breaking

31 = Motor Excess Voltage

32 = Temperature To High

33 = Fault Program Mode

Main menu item 1 = Set Values - 1 Submenu (1)

① Submenu, Set Values

1 = OPENING Speed

2 = CLOSING Speed

3 = Creep Speed OPENING

4 = Creep Speed CLOSING

5 = Brake Force OPENING

6 = Brake Force CLOSING

7 = Brake Force Reverse

8 = Hold-Open Time

9 = Partial Open. Dist.

10 = Hold-Open Time, NIGHT/BANK

11 = Opening Delay, NIGHT/BANK

To optimised the factory-set standard
settings.
The speeds and the opening and
closing timer can be finely adjusted to
suit individual and local conditions.



Main menu item 2 = Components Test - 5 Submenus (1-2-3-4-5) CompTest / Fault Displ.

- ① = Submenu - Components Display
 - 1 = Program Switch Type/Locking Type
 - 2 = Battery/Motor Type
 - 3 = Opening width/Partial opening width
 - 4 = Operating Hours/Opening Cycles

- 2 = Submenu - Fault Display
 - 1 = Fault New = X
 - 2 = Fault Old 1
 - 3 = Fault Old 2
 - 4 = Fault Old 3

- 3 = Submenu - Component Test
 - 1 = Motion 1 External
 - 2 = Motion 2 Internal
 - 3 = Presence Detector 3
 - 4 = Program -OFF
 - 5 = Program -AUTOMATIC
 - 6 = Program -PERMANENT OPEN
 - 7 = Program -PARTIAL OPEN
 - 8 = Program -EXIT ONLY
 - 9 = Safety Beam 1
 - 10 = Safety Beam 2
 - 11 = Emergency OFF switch
 - 12 = Key: NIGHT/BANK
 - 13 = Panic Closing
 - 14 = Airlock: 2. Door OPEN
 - 15 = Relay: Door Position OPEN
 - 15 = Relay: Door Position CLOSE
 - 16 = Relay: Safety Beam, OPEN
 - 16 = Relay: Safety Beam, CLOSE

④ = Submenu - Start Learn Cycle

To start a learning cycle.
Without light barrier control.

- ⑤ = Submenu - Door Obstructed
 - Start?
 - ① = Yes
 - 2 = Actual Speed
 - 3 = Door Position
 - ② = No (normal cycle)
 - 2 = Actual Speed
 - 3 = Door Position

To start a check run.
If the door is not running freely or is
rubbing, the speed value is fluctuate.

Shows the components that are
connected and enable these to be
tested.

Listed the three last faults to have
occurred.

To test the connected components.

DORMA Hand Terminal HT-A

Main menu item 3 = Factory Test - 1 Submenus

Only for factory testing!

Only Factory Test
Door in closed position
Bridge Emergency OFF
Input Cycl. No.:10

Component Test

Main menu item 4 = Door Variants - 3 Submenus (1 - 6 - 8)

① = Submenu, ST sliding door

1 = ST sliding door

Standard factory settings for ST sliding doors will be automatically loaded.

⑥ = Submenu, Additional Parameter Adjustment

1 = Rev. Force Adj. CLOSE

2 = Rev. Force Adj. OPEN

3 = Encoder location

4 = Low speed distance CLOSED

5 = Low speed distance OPEN

6 = Acceleration OPENING

7 = Acceleration CLOSING

8 = Battery Operated

9 = Partial opening distance

10 = Opening at EXIT

11 = Position Floating Free Contact

12 = Position Floating Free Contact

13 = Position Floating Free Contact

14 = Position Floating Free Contact

15 = Select Locking

16 = Select Locking

17 = Select Locking

18 = Select Locking

19 = Select Locking

②⑩ = Door Synchronization ON/OFF

21 = Synchronization Program switch

22 = Synchronization Lock

⑧ = Submenu, Special Unit

1 = Fail Secure Lock

2 = Motortype Adjustment

3 = Motortype Variant

4 = Motortype Variant

5 = Lock Type -Adjustment

6 = Lock Type

7 = Lock Type

8 = Lock Type

9 = Lock Type

10 = Lock Test

11 = Closed Re-Try

To enter specific functions to customise the system. Listed in the menu summary.

Submenu to optimise the door as an synchron system.

To set various special functions and door parameters. Listed in the menu summary.

To enter specific functions to customise the system. Listed in the menu summary.

- ⑧ = Submenu Special Unit
- 12 = Closing Torque Adjustment
- 13 = Partial open only via HT
- 14 = Panic Closing
- 15 = Airlock control
- 14 = Panic Closing
- 15 = Airlock control
- 16 = Airlock control
- 17 = Time delay
- 18 = Program Switch Type
- 19 = Program switch type
- 20 = Program switch type
- 21 = Program switch type
- 22 = Exit with safe. open
- 23 = Safety Beam Type
- 24 = Presence Detector
- 25 = Presence Detector
- 26 = Encoder Test
- 27 = Door Obstructed
- 28 = Door Obstructed

Main menu item 5 = Basic Setting - 2 Submenus (1-2)

To copy the basic factory settings, stored in the Hand Terminal, to the basic module.
Or to copy the settings from the basic module to the Hand Terminal.
Selection menu to change the addresses for the bus devices.

- ① = Submenu, New Adjustment
- 1 = Basic Parameters
- 2 = Copy Function
- ② = Submenu, New Operator Number
- Old Operator
- New Operator

Main menu item 6 = Dialogue language - 2 Submenus (1-2)

To select the dialogue language.
To select the unit.

- ① = Submenu, Dialogue language
- 1 = English
- 2 = Français
- 3 = Español
- ② = Submenu, Scale
- 1 = USA - inch
- 2 = Europe - cm
- 3 = %

Main menu item 7 = Management System (1-2)

① = Submenu, bus subscribers

- 1 = Bus subscribers
- 2 = Bus subscribers
- 3 = Bus subscribers

② = Submenu, Target operator
Operator Nr:
New Operator Nr:

Shows the actual bus subscribers.

Selection menu in which each of the bus subscribers can be directly accessed.

Pages 28 - 29

Main menu item 8 = Activation Pulse



Warning! Only applies to the Main menu.
Pressing numeric key 8 will initiate an opening signal.

Pages 30 - 31

Main menu item 9 = Complete System

- ① = menu
- 1 = ES-A: EPROM Version
- 2 = Complete System -No.
- 3 = Serial Number
- 4 = Installation date
- 5 = Installation year
- 6 = Date Of Service
- 7 = Year Of Service

Shows the number of the current ES-A EPROM version.
The system-specific data can be input and modified as required.

Pages 32 - 33

Start menu

Main menu (10 Menu item, 0 to 9)

