SERVICEMODUL K5
Serviceanzeige

SERVICE MODULE K5
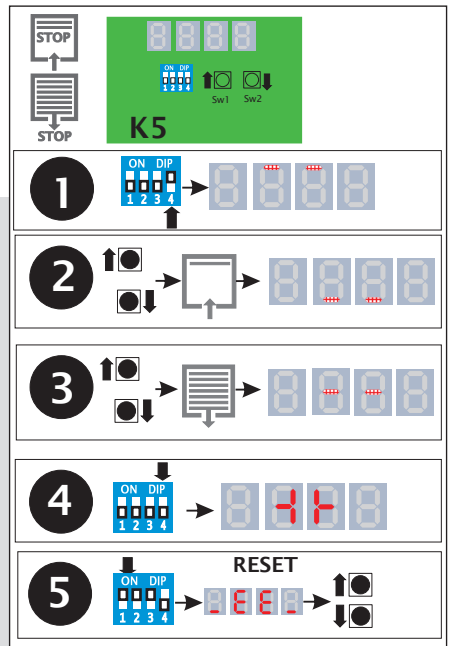## Service display

SERVICE MODULE K5
Serviceweergave

SERVICE MODULE K5

Parameter-List K5 Module

Important functions are stored in the control under a certain parameter number .
The parameters can be invoked and if neccessary changed with the K5 Module !!!
(**MLS** = mechanival limit-switch/ **ELS** = electronic limit-switch)

№	Description	Unit	Min	Max	Default	MLS	ELS	K2	K1E	K1D	From Version
0	Display dor position and limit-switches	num	ro	-	-	-	x	x	x	x	3.25
	UP-button: display limit switch TOP										
	DOWN button:display limit switch BOTTOM										
	UP and DOWN button: display pre-limit-switch										
1	door cycle	num	0	9999	0	x	x	x	x	x	3.00
2	door service	num	0	9999	2000	x	x	x	x	x	3.00
3	limit-switch at the top	Inkr.	0	8191	OFF	-	x	x	x	x	3.00
4	limit-switch at the bottom	Inkr.	0	8191	OFF	-	x	x	x	x	3.00
5	limit-switch half.open	Inkr.	0	8191	OFF	-	x	x	x	x	3.00
6	distance pre-limit-switch	Inkr.	1	200	50	-	x	x	x	x	3.00
7	distance safety-limit-switch	Inkr.	0	5000	200	-	x	x	x	x	3.00
8	distance FU-breakpoint at the top	Inkr.	0	5000	300	-	x	X	x	x	3.00
9	distance FU-breakpoint at the bottom	Inkr.	0	5000	300	-	x	x	x	x	3.00
10	follow up at the top	Inkr.	ro	-	-	-	x	x	x	x	3.00
11	follow up at the bottom	Inkr.	ro	-	-	-	x	x	x	x	3.00
12	middle door run-time	1/10 s	ro	-	-	x	x	x	x	x	3.00
13	exceeding max. run-time 0 = OFF, 1 = Auto, 2 = Manual		0	2	1	x	x	x	x	x	
14	max. door run-time full-upright	Sec	0	240	200	x	x	x	x	x	3.00
15	max. door run-time half-upright	Sec	0	240	200	x	x	x	x	x	3.00
16	last measured door-run-time	Sec	ro	-	-	x	x	x	x	x	3.00
17	UST1 options: 0 = Standard 1 = ramp 2 = no safety-edge connected, DOWN in deadman mode only 3 = no safety-edge connected, DOWN even with Impuls command possible 4 = automatic door cycles: Waiting time corresponds to automatic closing time		0	2	0	x	x	x	-	x	3.05
18	Option: disconnetion of autom. Closing after DW-strip 0 = direct disconnection 1-5 = disconnection after n attempts		0	5	3	x	x	x	x	x	3.08
19	Max.bottom adjustment	Inkr	0	240	½ P6	-	x	x	-	x	3.23
20	Waiting time 2-way traffic	Sec	0	240	0	x	x	x	-	-	3.09
21	Option remote signal: 0 = normal mode with Impuls button 1 = Similar to button UP inside 2 = Similar to button UP outside 4 = Nice-radio Impuls 5 = Nice-radio UP-Inside Innen 6 = Nice-radio UP-outside		0	6	0	x	x	x		-	3.24 3.42
22	Option K4-Relay as clearing safety limit-switch P22 = 1: The relay for red traffic light is closed, as long as the safety limit-switches are not crossed		0	1	0	-	x	x	-	-	3.10

SERVICE MODULE K5

Parameter-List K5 Module

Important functions are stored in the control under a certain parameter number .
The parameters can be invoked and if neccessary changed with the K5 Module !!!

| Nr.	Description	Unit	Min	Max	Default	MLS	ELS	K2	K1E	K1D	From Version
23	Option potentialfree output Module K3 final end position at the bottom 0 = display of final end-position at the bottom 1 = Static fault output 2 = Flashing fault output 3 = Impuls output door starts movement		0	3	0	x	x	X	-	x	3.12
23	Different, when using UST2-K1D 0 = No function (output OUT) 1 = display end position at the TOP 2 = display end position at the BOTTOM		0	2	0	x	x	-	-	x	3.29
24	Option potentialfree output K3 final end position at the top 0 = display of final end-position at the top 1 = Static fault output 2 = Flashing fault output 3 = Impuls output door starts movement		0	3	0	x	x	x	-	-	3.12
25	Option automatic bottom adjustment 0 = limitation lower end-position only 1 = correction also possible downwards		0	1	0	-	x	x	-	x	3.21
26	Limitation automatic bottom-adjustment at the bottom	Inkr.	0	8191	0	-	x	x	-	x	3.21
27	Traffic light lead time - Door Closed	1/10 sec	0	240 (24 sec)	40	x	x	x	-	-	3.21
28	Extension door runtime	Faktor	1	240	1	x	x	x	x	x	3.34
29	Option: Operation mode Display on K5 0 = Standard 1 = Limit switch in written form additional display of inputs 2 = display of door movement in written form		0	2	0	x	x	x	-	-	3.39
30	Option Induction loop (K7) 0 = No induction loop connected 1 = First channel connected 2 = Two channels with safety loop - one direction 3 = Two channels with safety loop - both directions 4 = Two channels with fade - out cross traffic		0	4	0	x	x	x	-	-	3.42
31	Off-period at cross traffic	Sec	0	240	0	x	x	x	-	-	3.42
32	Option Input 1 on K3 module 0 = Vlearance of automatic closing 1 = deadman operation		0	1	0	x	x	x	-	-	3.42

SERVICE MODULE K5
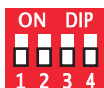
FUNCTION OF SERVICE MODULE K5

⚠️ **During all wiring and assembling works, the control system has to be cut-off from power supply!**
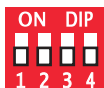
⋯→ Dip switch 1-4 in position OFF (only with electronic limit switches) DISPLAY shows actual DOOR POSITION

When the dip switch 1-4 is pushed in the OFF position, the actual door position is indicated in the display.
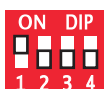
⋯→ Dip switch 1 -4 in position OFF + push button UP
Display shows upper final position

When the dip switch 1-4 is pushed in the OFF position, and the push button UP is actuated the display indicates the upper limit switch position.

⋯→ Dip switch 1-4 + in position OFF + push button DOWN
Display shows lower final position

When the dip switch 1-4 is pushed in the OFF position, and the push button DOWN is actuated the display indicates the lower limit switch position.

⋯→ Dip switch 1 - in position ON
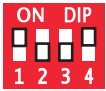**Display indicates the parameter number**

⋯→ Dip switch 1 - in position ON + Button UP
The parameter number can now be raised

⋯→ Dip switch 1 - in position ON + Button DOWN
The parameter number can now be debased

⋯→ Dip switch 1 - in position ON + Button DOwN+Button UP
The parameter number can now be reset to 1

SERVICE MODULE K5

Changing of pParameters (scrolling)

---→ **Dip-Switch 1 + 4 in Position ON**

Display indicates the choosen parameter

---→ **Dip-Switch 1+ 4 in Position ON + Button UP**

Choose raising the parameter !

If the Dip-Switches 1-4 are in the ON-Position, and the
button UP is pushed, the parameter will be raised e. g.
P11 (middle door running time).

---→ **Dip-Switch 1+ 4 in Position ON + Button DOWN**

Choose debase parameter !

If the Dip-Switches 1-4 are in the ON-Position, and the
button DOWN is pushed, the parameter will be debased e.
g. P6 (distance safety-limit-switch).

---→ **Dip-Switch 1+ 4 in Position ON + button UP+DOWN**

Erase parameter !

If the Dip-Switches 1-4 are in the ON-Position, and the
buttons UP and DOWN are pushed, the choosen parameter
will be erased.

Choice of the Service PIN Numbers C1 or C2

With the Service PIN the changing of parameters can be
locked . In this way you lock the Dip-switches and buttons off
the K2, K3 and K4 Modue too..

---→ **Dip-Switch 2 in Position ON**

DISPLAY OF PARAMETER C 1

If thew Dip-Switch 2 is in pushed in the ON-Position
the display indicates the Service PIN Parameter **C1** .

---→ **Dip-Switch 2 in Position ON + Button UP**
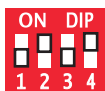
Raising the SERVICE PARAMETERS FROM C1 TO C2

---→ **IF THE DISPLAY INDICATES C0 THE CONTROL IS LOCKED**

BY THE SERVICE PIN .

---→ **PUSH DIP 2+4 IN POSITION ON AND ENTER THE SECRET**

SERVICE PIN VIA THE PUSH BUTTONS UP AND DOWN.

---→ **NOW PUSH DIP 4 IN OFF POSITION AND THE DOOR SYSTEM**

IS READY AGAIN.

SERVICE MODULE K5

Change Service PIN

⇢ **Dip-Switch 2 in Position ON**

   The display indicates C1

⇢ **Now push Dip-Switch 4 to Position ON too**
   ```
   If no number is indicated, enter the Pin by the UP
   Button.
   ```
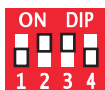
Raise and debase Service Pin

⇢ **Dip-Switch 2+ 3 in Position ON + Button UP**
   Editing SERVICE PIN IN PLACES
   ```
   If the  Dip-Switch 2+3 is pushed in the ON-Position and
   the button UP is pushed , the PIN Nr. will be raised
   corresponding.
   ```

SERVICE PIN and storage of settings
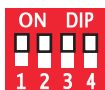
⇢ **Dip-Switch 1- 4 in Position ON**
   Display new Service PIN C2 !

⇢ **Dip-Switch 1- 4 in Position ON + Button UP+DOWN**
   Store new Service PIN C2 !
   ```
   If the Dip-Switch 1-4 is pushed in the ON-Position,
   and the buttons UP and DOWN are actuated, the choosen
   PIN is stored, when the displays shows 0.
   ```

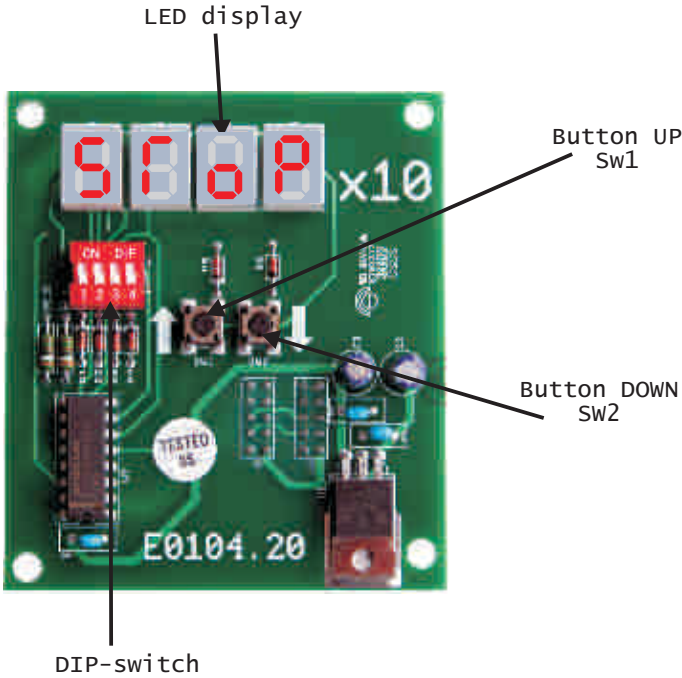## Delete EEPROM

⇢ **Dip-Switch 1- 3 in Position ON - _EE_ is shown in the display**
   ```
   If the Dip-Switch 1-4 is pushed in the ON-Position,
   and the buttons UP and DOWN are actuated, the Eprom
   is deleted completely after 2 sec, and the control unit
   restarts gain (factory settings!).
   ```

SERVICE MODULE K5

D E S C R I P T I O N

LED display

Button UP
Sw1

Button DOWN
Sw2

DIP-switch

Remarks:
The parameters 17, 18, 19 and 25 are available after restart (RESET)!
Deleting a parameter means to set the value to minimum.
To raise resp. to decrease a parameter (scroll) means:
Hold button for 1 sec. = value will be changed in steps per 10.
Hold button for more than 3 sec.= value will be changed in steps per 100.
Hold button for more than 6 sec. = value will be changed in steps per 1000.

SERVICE MODULE K5

FAULT DESCRIPTION K5

No	Description	Erase
0	Fault electronic limit switch	Automatic, when electronic limit-switch o.k.
1	Safety circuit	Automatic when safety circuit closed
2	Safety bar defective	Bei electric malfunction with Stop-button and new test. During DW malfunction only with new Test at the bottom.
3	Safety bar actuated	Automatic, if safety bar reacts no more
4	Lower end-position not reached (time limit)	Stop button
5	Uper end position not reached (time limit)	Stop button
6	Wrong turning direction of motor	Stop button
7	Error Light barrier test	With Stop button and new est
8	Safety limit swictch crossed	Automatic, if the door sich wieder außerhalb der safety limit switch
9	*not busy*	
10	Identic with fault 0	
11	*not busy because of danger of confusion with 1*	
12	Test K4-Relay failed	With Stop button and new test
13	Radiosignal key down	Stop button
14	Checksum fault in Eeprom	Erase EEprom completely
15	EZ-Light barriere not actuated	With Stop button after the door has beem closed in dead man operation and after new test of light barier.
16	Door to fast	Stop button

Remark:
Faults can only be erased with STOP button if the door does not move!
If several fault are active at the same time they are displayed in the following priority order: F15, F14, F0F8, F1, F12, F4, F5, F2, F3, F6, F7, F11

CONTACT