 Box 66, Fabriksgatan 13 SE-342 21 ALVESTA, Sweden	Hydroelite 3G-1 <b>Control node menu (v2)</b> Drive and control system	Technical Documentation	
		<b>T 100 37 EN</b>	
		2007-03-28	Edit 2.5
	SERVICE	BB/LJ/LAK	Page 1

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# 1 Control node

A control panel with a display is placed in front of the control node.

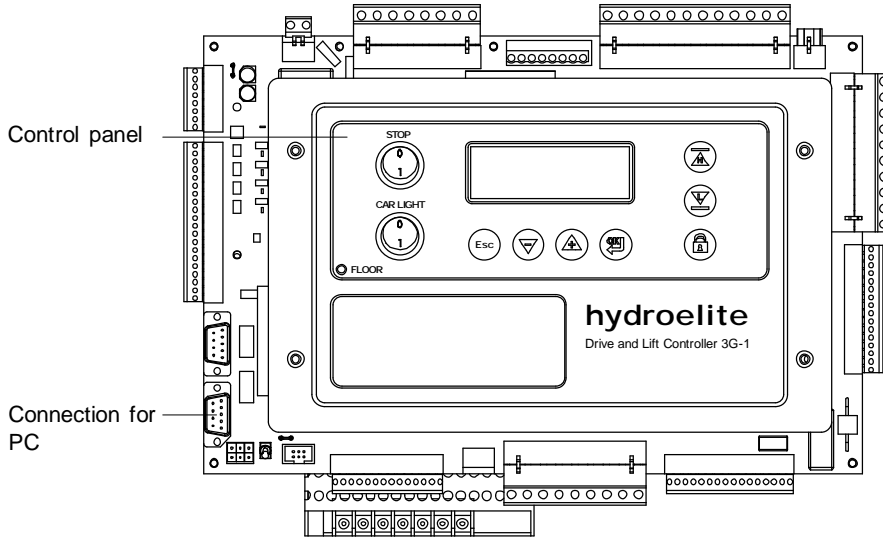


Fig. 1.1 Control node board with control panel

## 1.1 Control panel

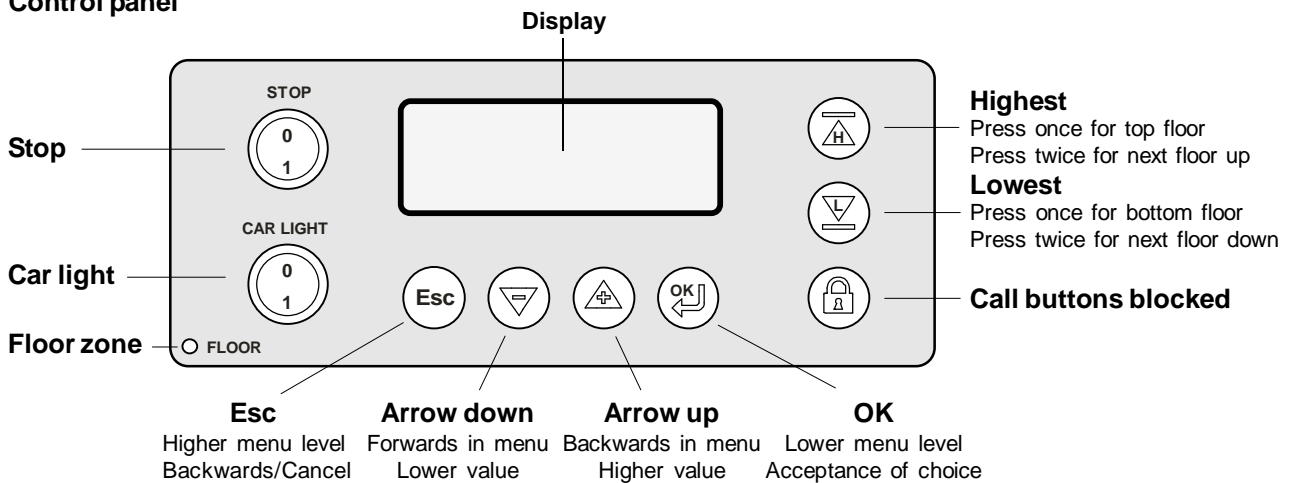


Fig 1.2 Manöverpanel

### LIFT CAR

- Stop - switch that gives/recalls stop command to lift car
- Car light - switch that lights/unlights the car light
- Floor - yellow LED that lights when lift car is within floor zone
- Highest - button to make travel command upwards; press once for travel to top floor, and twice for travel to next floor in up-direction
- Lowest - button to make travel command downwards; press once for travel to bottom floor, and twice for travel to next floor in down-direction
- Call buttons blocked - button to block /unlock calls

### DISPLAY

- Esc - button to step to higher menu level, to step backwards or cancelling menu choices , and to reset blocking errors
- Arrow down - button to step forwards within menu level, and decrease digits/values at parameter adjustments
- Arrow up - button to step backwards within menu level, and increase digits/values at parameter adjustments
- OK - button to step to lower menu level, and for accept new parameter adjustments.

## 1.2 Display

All information regarding error/information codes, reading and modification of values of variables and parameters in software are accessible via the control node display.

Same information are also accessible by means of a PC, but in main the PC is only used for complete updating of the software program. For complete description of using PC communication, see *Troubleshooting with PC, T10034 and T10008*.

Only after an agreement with Hydroware, where you receive the PIN-code, it is possible to modify variables and parameters or make a complete updating of the software program.

### 1.2.1 Display modes

The display has different functions depending of which operation mode the lift perform (see fig. 1.3):

1. Normal mode/Inspection mode/Recall mode during travel and at och when stationary at floor
2. Error/info mode
3. Menu mode for reading of parameters and adjustment of parameters

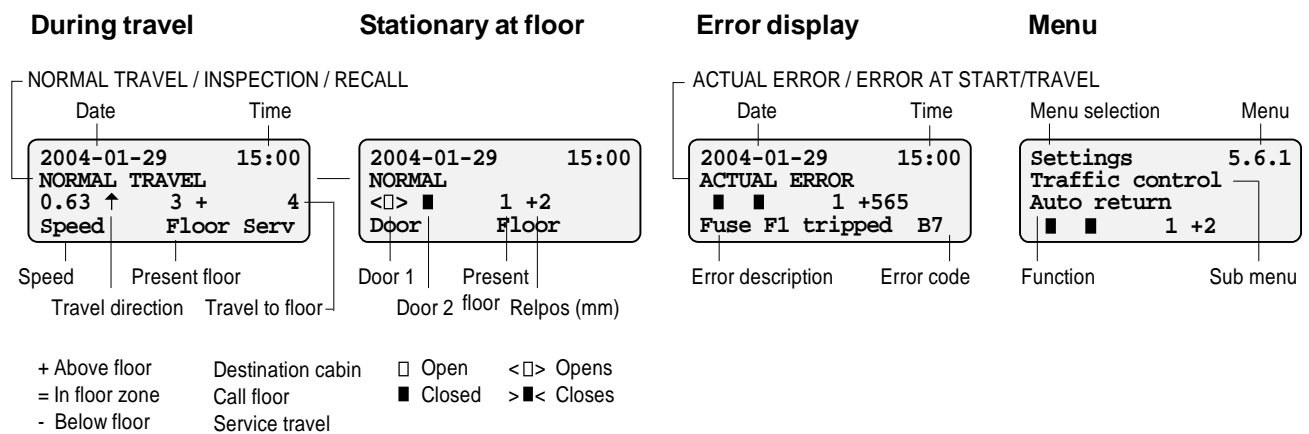


Fig. 1.3 Display modes

#### 1.2.1.1 Normal mode / Inspection mode / Recall mode during travel and when stationary at floor

#### 1.2.1.2 Error display

Shows current error or error that prevents lift at start or stopped it during travel.

(Complete description of error/information codes and its causes and actions, see *Troubleshooting T 10020 11.2.*)

#### 1.2.1.3 Menu mode

Press OK button once to come to menu mode, thereafter you use the display buttons (see 1.1) to reach the wanted menu mode.

Menu levels: 1. *Show*, 2. *Command* and 3. *Log-in* are accessible for all users after commissioning. (Menu level 4. *Commissioning* is only available without PIN-code (password) until the lift has been commissioned first time!)

Only after an agreement with Hydroware, where you receive the PIN-code (password), you have access to menu levels 4. *Commissioning*, 5. *Settings* and 6. *Advanced*.

Complete description of menu levels and its contents will follow in chapter 2.

(Line of action for reading of parameters and modification of parameters, see *Troubleshooting T 10020 11.3 and 11.4.*) ??

**1.3 Menu tree overview**

<b>1.</b>	<b>Show</b>	<b>1.8</b>	<b>Drive system</b>
<b>1.1</b>	<b>Statistics</b>	<b>2.</b>	<b>Command</b>
<b>1.1.1</b>	Trip counter	<b>2.1</b>	Car destination
<b>1.1.2</b>	Hours in service	<b>2.2</b>	Floor calls
<b>1.1.3</b>	Encoder Read error	<b>2.3</b>	Door open/close
<b>1.2</b>	<b>System log</b>	<b>2.3.1</b>	Select door side
<b>1.2.1</b>	Error log	<b>2.4</b>	Reset
<b>1.2.1.1</b>	Latest error	<b>2.4.1</b>	System reset
<b>1.2.1.2</b>	Erase log - press OK	<b>2.5</b>	Extra
<b>1.2.2</b>	<b>Cautionlog</b>	<b>2.5.1</b>	Automatic travels
<b>1.2.2.1</b>	Latest error	<b>2.6</b>	Store
<b>1.2.2.2</b>	Erase log - press OK	<b>2.6.1</b>	Store parameters?
<b>1.2.3</b>	<b>Information log</b>	<b>2.7</b>	Alarm
<b>1.2.3.1</b>	Latest error	<b>2.8</b>	Advanced
<b>1.2.3.2</b>	Erase log - press OK	<b>2.8.1</b>	Discharging battery
<b>1.2.4</b>	<b>Totallog</b>		
<b>1.2.4.1</b>	Latest error	<b>3.</b>	<b>Log in</b>
<b>1.2.4.2</b>	Erase log - press OK	<b>3.1</b>	Enter PIN-code
<b>1.2.5</b>	Info, all errors	<b>4.</b>	<b>Commissioning</b>
<b>1.3</b>	<b>PC printouts</b>	<b>4.1</b>	Airbleed
<b>1.3.1</b>	Print out from drive	<b>4.2</b>	Installation travel
<b>1.3.2</b>	<b>Debug printout</b>	<b>4.3</b>	Learn hydraulics
<b>1.3.2.1</b>	Only 1st level	<b>4.4</b>	Learn floors
<b>1.3.2.2</b>	1st and 2nd levels	<b>4.4.1</b>	Press OK-button
<b>1.3.2.3</b>	All debug levels	<b>4.5</b>	Fine floor adjustments
<b>1.3.2.4</b>	Only Id number	<b>4.5.1</b>	Select floor #1
<b>1.3.3</b>	<b>I/O status</b>	<b>4.6</b>	Rupture valve test
<b>1.3.3.1</b>	Safety circuit	<b>4.6.1</b>	Start top floor
<b>1.3.3.2</b>	Nodes	<b>4.7</b>	Final limit test
<b>1.3.3.3</b>	Others	<b>4.7.1</b>	Start top floor
<b>1.3.4</b>	<b>Stored data</b>		
<b>1.3.4.1</b>	Error log		
<b>1.3.4.2</b>	Extra inputs		
<b>1.3.4.3</b>	Extra outputs		
<b>1.3.4.4</b>	Others		
<b>1.3.5</b>	<b>Group control</b>		
<b>1.4</b>	<b>Commission info</b>		
<b>1.4.1</b>	General info		
<b>1.4.2</b>	Floor node		
<b>1.5</b>	<b>Safety circuit</b>		
<b>1.6</b>	<b>Door</b>		
<b>1.6.1</b>	Main side door		
<b>1.6.2</b>	Second side door		
<b>1.7</b>	<b>IN/OUT-puts</b>		
<b>1.7.1</b>	Extra Inputs		
<b>1.7.2</b>	Extra Outputs		
<b>1.7.3</b>	Anti creep device		
<b>1.7.4</b>	Pressure switch		
<b>1.7.5</b>	Inputs/Id number		
<b>1.7.6</b>	Outputs/Id number		

<b>5.</b>	<b>Settings</b>		
<b>5.1</b>	<b>Date Time (2002-05-16 14:22)</b>	<b>5.7</b>	<b>Drive system</b>
<b>5.1.1</b>	<b>Set years</b>	<b>5.7.1</b>	<b>Up parameters</b>
<b>5.1.2</b>	<b>Set months</b>	5.7.1.1	Travel curve
<b>5.1.3</b>	<b>Set days</b>	5.7.1.1.1	Acceleration
<b>5.1.4</b>	<b>Set hours</b>	5.7.1.1.2	Deceleration
<b>5.1.5</b>	<b>Set minutes</b>	5.7.1.1.3	Regulated speed
		5.7.1.2	Installation travel
<b>5.2</b>	<b>Language</b>	5.7.1.3	Inspection
		5.7.1.3.1	Speed
		5.7.1.3.2	Distance top floor -> stop
<b>5.3</b>	<b>COM1 function</b>	<b>5.7.2</b>	<b>Down parameters</b>
<b>5.3.1</b>	<b>Program</b>	5.7.2.1	Travel curve
<b>5.3.2</b>	<b>No function</b>	5.7.2.1.1	Acceleration
		5.7.2.1.2	Deceleration
<b>5.4</b>	<b>Emergency equipment</b>	5.7.2.2	Installation travel
<b>5.4.1</b>	<b>Alarm forward time</b>	5.7.2.3	Inspection
<b>5.4.2</b>	<b>Manual alarm reset</b>	5.7.2.3.1	Speed
		5.7.2.3.2	Distance bottom floor -> stop
<b>5.5</b>	<b>Doors</b>	<b>5.7.3</b>	<b>Motor parameters</b>
<b>5.5.1</b>	<b>Automatic doors</b>	5.7.3.1	Longest run time
5.5.1.1	Door opening time	5.7.3.2	Additional run time
5.5.1.1.1	Open button	<b>5.7.4</b>	<b>Servo frequency</b>
5.5.1.1.2	After destination	<b>5.7.5</b>	<b>Relevel, See 6.1.4.3.2</b>
5.5.1.1.3	After floor call		
5.5.1.1.4	After close button	<b>5.8</b>	<b>Tableaux</b>
5.5.1.1.5	After returned door	<b>5.8.1</b>	<b>Floor indicator car</b>
5.5.1.1.6	Door blocking time	<b>5.8.2</b>	<b>Floor indicator floor</b>
5.5.1.2	Door function	<b>5.8.3</b>	<b>Arrival signal</b>
5.5.1.2.1	Close at destination	<b>5.9</b>	<b>Extra</b>
5.5.1.2.2	Open/Close with open button	<b>5.9.1</b>	<b>Extra output timeout</b>
5.5.1.2.3	Keep dooropen with PB	<b>5.9.2</b>	<b>Special</b>
5.5.1.2.4	Door run time		
5.5.1.2.5	Releaseclose relay -standstill		
5.5.1.2.6	Door open sequence		
5.5.1.2.7	Park door open		
<b>5.5.2</b>	<b>Swing door</b>		
5.5.2.1	Close at destination		
5.5.2.2	Door opening time		
5.5.2.3	Open at destination		
5.5.2.4	Open/close call button		
5.5.2.5	Automatic door opener		
5.5.2.6	Open/Close with open button		
<b>5.5.3</b>	<b>Door operator delay</b>		
5.5.3.1	Travel start delay		
5.5.3.2	Travel end delay		
<b>5.5.4</b>	<b>Early door opening</b>		
5.5.4.1	Distance from floor up		
5.5.4.2	Distance from floor down		
5.5.4.3	Speed during door opening		
<b>5.5.5</b>	<b>Relevelling with open door</b>		
<b>5.6</b>	<b>Traffic control</b>		
<b>5.6.1</b>	<b>Automatic return</b>		
<b>5.6.2</b>	<b>Fireman control BR1</b>		
<b>5.6.3</b>	<b>Entrance floor</b>		
<b>5.6.4</b>	<b>Evacuation floor</b>		
<b>5.6.5</b>	<b>24V Emergency power travel</b>		
<b>5.6.6</b>	<b>Block. dest to floor</b>		

**6. Advanced**

**6.1 Settings drive**

**6.1.1 Commissioned**

6.1.1.1 Hydraulic

6.1.1.2 Floor

**6.1.2 Up parameters**

6.1.2.1 Regulator

6.1.2.1.1 Speed

6.1.2.1.1.1 Amplification

6.1.2.1.1.2 Amplification acc

6.1.2.1.1.3 Integration

6.1.2.1.1.4 Integration acc

6.1.2.1.2 Feed forward

6.1.2.1.2.1 Amplification

6.1.2.1.2.2 Integration

6.1.2.2 Travel curve

6.1.2.2.1 Acceleration

6.1.2.2.2 Deceleration

6.1.2.2.3 Deceleration speed

6.1.2.2.4 Jerk

6.1.2.2.4.1 J1

6.1.2.2.4.2 J3

6.1.2.2.4.3 J5

6.1.2.2.4.4 J7

6.1.2.2.5 Relevelling

6.1.2.2.5.1 Start ramp

6.1.2.2.5.2 High speed

6.1.2.2.5.3 Low speed

6.1.2.2.5.4 High/low Swpos start

6.1.2.2.5.5 High/low Swpos travel

6.1.2.2.5.6 Stop position

6.1.2.2.6 Learn travels

6.1.2.2.6.1 Deceleration

6.1.2.2.6.2 Levelling speed

6.1.2.3 Hydraulics

6.1.2.3.1 Current max speed

6.1.2.3.2 Installation travel

6.1.2.3.3 Offset current

6.1.2.3.4 Max learned speed

**6.1.3 Down parameters**

6.1.3.1 Regulator

6.1.3.1.1 Speed

6.1.3.1.1.1 Amplification

6.1.3.1.1.2 Integration

6.1.3.1.2 Feed forward

6.1.3.1.2.1 Amplification

6.1.3.1.2.2 Integration

6.1.3.2 Travel curve

6.1.3.2.1 Acceleration

6.1.3.2.2 Deceleration

6.1.3.2.3 Deceleration low sp. inspection

6.1.3.2.4 Normal speed

6.1.3.2.5 Rupture valve test factor

6.1.3.2.6 Low inspection speed

6.1.3.2.7 Jerk

6.1.3.2.7.1 J1

6.1.3.2.7.2 J3

6.1.3.2.7.3 J5

6.1.3.2.7.4 J7

6.1.3.2.8 Relevelling

6.1.3.2.8.1 Start ramp

6.1.3.2.8.2 High speed

6.1.3.2.8.3 Low speed

6.1.3.2.8.4 High/low Swpos start

6.1.3.2.8.5 High/low Swpos travel

6.1.3.2.8.6 Stop position

6.1.3.2.9

6.1.3.2.9.1

6.1.3.2.9.2

6.1.3.3

6.1.3.3.1

6.1.3.3.2

6.1.3.3.3

6.1.3.3.4

6.1.3.3.5

6.1.3.3.6

**6.1.4**

6.1.4.1

6.1.4.2

6.1.4.3

6.1.4.3.1

6.1.4.3.2

6.1.4.4

6.1.4.5

**6.1.5**

6.1.5.1

6.1.5.2

6.1.5.3

**6.1.6**

6.1.6.1

6.1.6.2

Learn travels

Deceleration

Low speed

Hydraulics

Current max speed

Installation travel

Offset current

Start current

Max current

Stop position

**6.1.4 Floor parameters**

Number of floors

Encoder rotation direction

Relevel

Relevel tolerance

Relevel

Reset self-adjustment

Short end floor

**6.1.5 Motor parameters**

Shortest run time

Longest run time

Additional run time

**6.1.6 Others**

Servo frequency

Changed parameters

**6.2 Doors**

**6.2.1**

Main side

**6.2.2**

Second side

**6.3 Anti creep device**

**6.4 Floors**

6.4.1 Set floor nodes

6.4.1.1 All nodes in shaft #1-16

6.4.1.2 Nodes in machine room

6.4.2 Reset all floor nodes

**6.5 IN/OUT-puts**

**6.5.1 Extra**

6.5.1.1 Control node input

6.5.1.2 Control node output

6.5.1.3 Car node input

6.5.1.4 Car node output

6.5.1.5 Landing node input

6.5.1.6 Landing node output

**6.5.2 Signals**

6.5.2.1 Input NO/NC/IMPULS

6.5.2.2 Output common +/-

6.5.2.3 Common P4:3 Group

**6.5.3 No of cabin I/O PCB**

6.5.3.1 Change no of cabin I/O PCB

**6.6 Traffic control**

6.6.1 Select control system

6.6.2 Group control

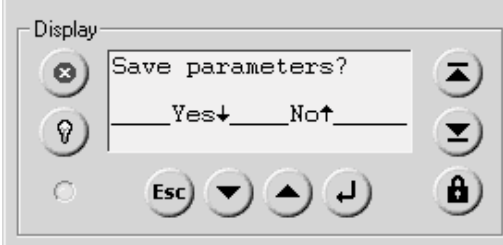
6.6.2.1 Elevator Identity

6.6.2.2 Local call buttons

6.6.2.3 Solitary floor

**1.4 Settings / Parameters**

Use the menu buttons (see description fig 1.2) to step between the menu levels.  
 Save changed parameters by step backwards out of the menu level until you reach the display mode according to fig 1.10, where you are requested to save with the arrow DOWN-button.  
 At Not saving (Arrow UP-button) the changed parameters are used but they are not saved. To reset to the saved values the power must be switched off and on again (incl. battery operation).



Arrow Up (No) - The lift uses the set parameters but they are not saved.  
 To cancel changed parameters, switch off the power and sitch it on again.

Fig. 1.10 Save parameters

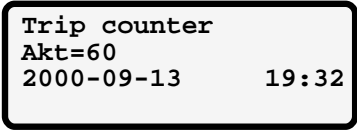
**1.4.1 1. Show**

**1.4.1.1 1.1 Statistics**

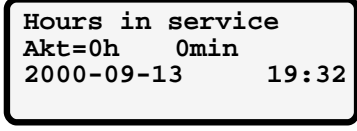
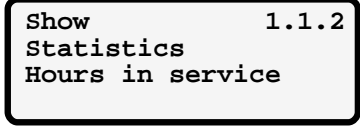
Shows statistics of different travelling data.

**1.1.1 Trip counter**

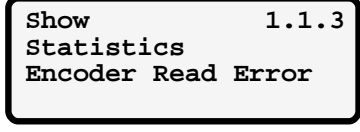
Use arrow up/down button to reset (have to be logged in).  
 The date is the reset date.



**1.1.2 Hours in service**



**1.1.3 Encoder Read Error (only for Hydroware internal use)**



**1.4.1.2 1.2 System log**

See also description in *T100 20 Troubleshooting, 11.*

**1.2.1 Error log**

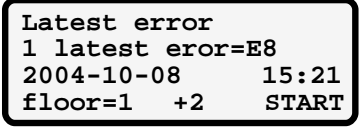
In the error log comes to be placed:

1. Blocking errors (that are reseted by ESC)
2. Errors that have prevented a number of start attempts in serie

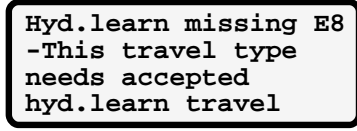
**1.2.1.1 Latest error**

Shows information about first (1st) up to 30th latest error, date and time, position and in what status the error/errors occur (IDLE, START, RUN).

Press OK-button and you reach direct level 1.2.5 that shows the actual error.



ex)



- |         |       |                                       |
|---------|-------|---------------------------------------|
| status: | RUN   | - Error occurs during travel          |
|         | START | - Error occurs at start               |
|         | IDLE  | - Error occurs at standstill position |

### 1.2.1.2 Erase log-press OK

To be able to erase the error log you have to log in.

### 1.2.2 Warning log

In the warning log comes to be placed:

1. Errors that are not blocking but interrupt one travel or start attempt.
2. Error that occurs at standstill e.g. door opening/closing error.

#### 1.2.2.1 Latest error

Shows information about first (1st) up to 30th latest error, date and time, position and in what status the error/errors occur (IDLE, START, RUN).

Press OK-button and you reach direct level 1.2.5 that shows the actual error.

#### 1.2.2.2 Erase log-press OK

To be able to erase the warning log you have to log in.

### 1.2.3 Information log

In the information log comes to be placed:

1. Occurrences that interrupt a travel or start attempts but are normally not an error e.g. emergency button, photocell.

#### 1.2.3.1 Latest error

Shows information about first (1st) up to 30th latest error, date and time, position and in what status the error/errors occur (IDLE, START, RUN).

Press OK-button and you reach direct level 1.2.5 that shows the actual error.

#### 1.2.3.2 Erase log-press OK

To be able to erase the information log you have to log in.

### 1.2.4 Total log

Total log shows all the errors from error, warning and information log in time order.

#### 1.2.4.1 Latest error

Shows information about first (1st) up to 30th latest error, date and time, position and in what status the error/errors occur (IDLE, START, RUN).

Press OK-button and you reach direct level 1.2.5 that shows the actual error.

#### 1.2.4.2 Erase log-press OK

To be able to erase the log you have to log in.

When the total log is erased the error, warning and information logs are erased too.

### 1.2.5 Info, all errors

Info about error #A1

... (description)

Error counter

Error counter reset day (date, time)

Reset error counter?

Error counter reset

Latest error date (date, time)

Total number of errors

### 1.4.1.3 1.3 PC printouts

See also description in T100 34.

#### 1.3.1 Print drive

#### 1.3.2 Print debug

*only for Hydroware use*

##### 1.3.2.1 Only 1st level

1st level shown

##### 1.3.2.2 1st and 2nd level

1st and 2nd levels shown

##### 1.3.2.3 All debug levels

All error levels shown

**1.3.3 I/O status**

**1.3.3.1 Safety circuit**

Safety circuit shown

**1.3.3.2 Nodes**

Nodes shown

**1.3.3.3 Others**

Others shown

**1.3.4 Stored data**

**1.3.4.1 Error log**

Error log shown

**1.3.4.2 Extra inputs**

Extra inputs shown

**1.3.4.2 Extra outputs**

Extra outputs shown

**1.3.4.4 Others**

Others shown

**1.3.5 Group information**

Group information shown

**1.4.1.4 1.4 Commission info**

Shows the set values and actual status for the site. For more information of the parameters see section 6.

**1.4.1 General info**

Shows general information for the site: traffic control system (FULL COLLECTIVE/ONE COLLECTIVE/PICKUP/DIRECT) and door types for Main door and Sec. door. (AUTOMATIC/SWING)

Example:

FULL COLLECTIVE-Ctrl  
 Main door AUTOMATIC  
 Sec. door AUTOMATIC

**1.4.2 Floor node**

Shows node information for each floor: status (ACT/INACT, floor position (1-total number of floors), door position (Main/Sec.), safety circuit order no (1-16); and for cabin nodes status (ACT/INACT).

Example:

Node A1 Status=ACT  
 Floor 1 Side=Sec.  
 Safety circuit order=1

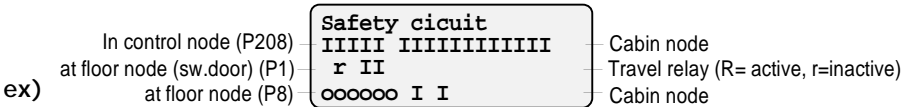
**1.4.1.5 1.5 Safety circuit**

Shows the safety circuit with "1" and "0" digits.

I =closed contact

o = open contact

- =node inactive



**1.4.1.6 1.6 Door****1.6.1 Main side**

Shows information of actual Door status Main side

(0=Relay inactive, 1=Relay active, Op=Contact open, Cl=Contact closed):

Rel op=0/1 (Dooropen Relay)

Rel Cl=0/1 (Doorclose Relay)

Sw Op=0/1 (Contact opened car door)

Sw Cl=0/1 (Contact closed car door)

Rev= Op/Cl (Door reversal contact)

SS Cl= Op/Cl (Safety circuit contact)

**1.6.2 Car second door**

Shows information of actual Door status Second side

(0=Relay inactive, 1=Relay active, Op=Contact open, Cl=Contact closed):

Rel op=0/1 (Dooropen Relay)

Rel Cl=0/1 (Doorclose Relay)

Sw Op=0/1 (Contact opened car door)

Sw Cl=0/1 (Contact closed car door)

Rev= Op/Cl (Door reversal contact)

SS Cl= Op/Cl (Safety circuit contact)

**1.4.1.7 1.7 IN/OUT-puts****1.7.1 Extra Inputs**

Shows information of actual contact status of each used extra input for floor nodes, control node(s) and car nodes.

STATUS = OPEN/CLOSED

INACT / ACTIVE (if the function is active or not, i.e. if the contact is NO or NC):

Example:

Control node input

nr 1 terminal P206:11

Akt=BR1 Fire

STATUS=OPEN ,INACT

**1.7.2 Extra Outputs**

Shows information of actual contact status of each used extra output for floor nodes, control node(s) and car nodes.

STATUS = ACT (output active) / INACT (output inactive):

COM+=common +24V, output -24V(standard) / COM-=common -24V, output +24V  
(valid for car node and floor nodes)

Example:

Control node input

nr 1 terminal P206:2

Akt=Fire Ind.

STATUS=INACT

**1.7.3 Anticreep device**

Shows information of actual status of the anticreep device contacts

(Op=Contact open, Cl=Contact closed):

Example:

SKN 1=Op SKN 2=Op

KKN 1=Op KKN 2=Op

Buff. 1=Op Buff. 2=Op

**1.7.4 Pressure switch**

Shows information of actual status of the pressure switches (0=inactive, 1=active):

Example:

Max. Pressure = 0

Full Pressure = 0

Min. Pressure = 0

**1.7.5 Inputs/Id number**

Shows the status for all inputs. (see T10047)

**1.7.6 Outputs/Id number**

Shows the status for all outputs.(seeT10047)

**1.4.1.8 1.8 Drive system**

Shows more updated values for speed and position.

**1.4.2 2 Command**

Accept commands by pressing OK.

**1.4.2.1 2.1 Car destination**

Send car destination command via control node

```
Car destination 2.1
to floor number
Select floor #1
```

**1.4.2.2 2.2 Floor calls**

Send floor calls via control node

```
Floor calls 2.2
to floor number
Select floor #1
```

```
Floor calls 2.2
Select direction
Up direction
```

```
Floor calls 2.2
Select direction
Down direction
```

**1.4.2.3 2.3 Door open/close**

Send door command via control node

**2.3.1 Select door side**

Select door side. Available options are Main door or Sec. door:

```
Door open/cls 2.3.1
Select door side
Main door
```

**1.4.2.4 2.4 Reset**

Resetting the system when a blocked error has occurred (same as ESC button).  
Also to manually log out.

```
Resetting 2.4.1
System is reset
```

**1.4.2.5 2.5 Extra**

**2.5.1 Automatic travels**

Makes automatically car destinations

*Available selections:*

NONE= normal drive

Random= random destination

Stop down= stops at all floors at down travel

Stop Up= stops at all floors at up travel

**1.4.2.6 2.6 Store**

Manual store of parameters

```
Command 2.6.1
Store parameters?
___ Yes® ___ No± ___
```

**1.4.2.7 2.7 Alarm**

Not yet available

**1.4.2.8 2.8 Advanced**

**2.8.1 Discharging battery**

For discharging of the battery, press the OK-button.

### 1.4.3 3 Log in

Code can be received after agreement with Hydroware.  
lit gives access to menu levels 4-6 even after performed commissioning.  
The system will automatically log out after 10h.

```
Log in          3.1
Enter PIN-code
-----
```

### 1.4.4 4 Commissioning

#### 1.4.4.1 4.1 Airbleed

See description *T100 33 Commissioning, section 3.*

```
Airbleed
PANEL
Keep HIGHEST pressed
```

#### 1.4.4.2 4.2 Installation travel

See description *T100 33 Commissioning, section 4.*

```
Installation travel
PANEL
Press HIGH o LOWEST
```

#### 1.4.4.3 4.3 Learn hydraulics

See description *T100 33 Commissioning, section 5.*

```
Commissioning  4.3
Learn hydraulics
```

```
Learn hydraulics
PANEL
Press HIGH o LOWEST
```

```
Learn hydraulics
PANEL
Wait-Learning up
0.63 ±
```

```
Learn hydraulics
Up travel approved
Press LOWEST button
```

```
Learn hydraulics
Up travel approved
Wait-Learning down
0.63 ®
```

```
Learn travel
succeeded, save when
leaving commission
```

#### 1.4.4.4 4.4 Learn floors

See description *T100 33 Commissioning, section 6.*

```
Commissioning  4.4.1
Learn floors
Press OK button
```

```
Commissioning  4.4.1
Learn floors
Running, floor=#1
```

```
Learn travel
succeeded, save when
leaving commission
```

One press on OK-button will start the learn floor travel automatically; first learn floors in up direction and then learn floors in down direction.

#### 1.4.4.5 4.5 Fine floor adjustment

See description *T100 33 Commissioning, section 7.*

Make adjustments of lift car position up/down until the car and the floor is in level.  
Let the value be negative if the car is to be lowered in relations to the floor.

```
Commissioning  4.5
Fine floor adj
```

```
Fine floor adj 4.5.1
Select floor #1
```

```
Floor #1 selected
Adjust car +-0 mm
If acc.-Press OK
```

Min-/Max-/Incremental value/unit:  
-100/+100/1/mm

Default:  
0

Learn travel:  
Restored at new LF

#### 1.4.4.6 4.6 Rupture valve test

See description *T100 33 Commissioning, section 8.*

```
Commissioning 4.6.1
Rupture valve test
Start Top floor
```

```
Commissioning 4.6.1
Rupture valve test
Press OK button
```

ex)

```
Commissioning 4.6.1
Rupture valve test
Top speed=0.70m/s
```

#### 1.4.4.7 4.7 Final limit test

```
Commissioning 4.7.1
Final limit test
Start Top floor
```

```
Commissioning 4.7.1
Final limit test
Press OK button
```

ex)

```
Commissioning 4.7.1
Final limit test
Distance +45
```

### 1.4.5 5 Settings

For all adjustable parameters the following are valid:

Act= shows present value

New= the new value is adjusted by means of the buttons Arrow up and Arrow down.

Accept the new value with the OK-button. Text line " Value is changed" is shown.

**NOTE: The new value is not saved until you have returned backwards to the top menu level "Settings 5" and mode "Save parameters" is shown.**

Accept by press Arrow DOWN-button, cancel by press Arrow UP-button (see section 1.4). Then the value is used but not saved. To return to the old settings turn powerOFF/ON.

#### 1.4.5.1 5.1 Date Time

Set date and time. Are shown in normal mode and saved in error log (section 1.2).

```
Settings 5.1
Time and Date
```

ex)

```
Set years 14.00
2003-05-07
```

##### 5.1.1 Set years (yyyy)

Change years

##### 5.1.2 Set months (mm)

Change months

##### 5.1.3 Set days (dd)

Change days

##### 5.1.4 Set hours (hh)

Change hours

##### 5.1.5 Set minutes (mm)

Change minutes

#### 1.4.5.2 5.2 Language

Select menu language (the selection alternative depends of in which country the lift is installed.)

*Selection alternative:*

ex. Swedish, English

#### 1.4.5.3 5.3 COM1 function

##### 5.3.1 Programs

*No function available for the present*

##### 5.3.2 No function

*No function available for the present*



#### 5.5.1.2.2 Close with open button

If 1: the door is open and if open button is pressed the door closes

0=No 1=Yes

*Available selections:* 1/0 *Default:* 0

#### 5.5.1.2.3 Keep dooropen with PB

If 1: the door remains open when call button or destination button is pressed

*Available selections:* 1/0 *Default:* 0

#### 5.5.1.2.4 Door run time

Maximum door opening and closing time if there is no signal from door limit switch

*Min-/Max-/Incrementalvärde/Unit:* 0/60/1/sec *Default:* 15

#### 5.5.1.2.5 Release close relay

Main side and Second side. If 1: the close relay releases after 3 seconds when the door is closed and no more calls to serve.

0=No 1=Yes

*Available selections:* 1/0 *Default:* 1

#### 5.5.1.2.6 Door open sequence

If 0: Both doors open/closes independent of each other

If 1: Only one door is open a time

If 2: Both doors run in parallell of each other

0=Sel1 1=Sel2 2=Para

*Available selections:* 0/1/2 *Default:* 0

#### 5.5.1.2.7 Park with door open

Door position when lift is in idle mode (all floors): None= Door/s closed; Both= Both doors are opened ; Main=Main door side opened; 2nd= Car second door side opened

*Möjliga val:* None/Both/Main/2nd *Default:* None

#### 5.5.1.2.8 Open call - option

If 1: If one of the lifts in a group has the door open, also the other ones landing door is opened at a new press on button (if both lifts are located at same floor)

0=No 1=Yes

*Available selections:* 1/0 *Default:* 0

### 5.5.2 Swing door

#### 5.5.2.1 Close at destination

If 1: the door opener closes direct after lift has been destined to same or other floor

0=No 1=Yes

*Available selections:* 1/0 *Default:* 1

#### 5.5.2.2 Door open time

Open time for swing door opener

*Min-/Max-/Incremental value/Unit:* 0/60/1/sec *Default:* 15

#### 5.5.2.3 Open at destination

If 1: swing door opener opens each time the destination button is pressed at present floor

0=No 1=Yes

*Available selections:* 1/0 *Default:* 0

**5.5.2.4 Open/close call button**

If 1: swing door opener opens or closes each time the call button is pressed at present floor

0=No 1=Yes

*Available selections:* 1/0 *Default:* 1

**5.5.2.5 Automatic opening**

If 1: swing door opener automatically opens when lift arrives at floor

0=No 1=Yes

*Available selections:* 1/0 *Default:* 0

**5.5.2.6 Close with open button**

If 1: if the door is open and if open button is pressed the door closes

0=No 1=Yes

*Available selections:* 1/0 *Default:* 0

**5.5.3 Door operator delay**

**5.5.3.1 Travel start delay**

Delay from the door is closed to travel relay is activated

*Min-/Max-/Incremental value/Unit:* 0.0/3.0/0.1/sec *Default:* 0.0

**5.5.3.2 Travel end delay**

Delay from travel relay is inactive to the doors start open

*Min-/Max-/Incremental value/Unit:* 0.0/3.0/0.1/sec *Default:* 0.0

**5.5.4 Early door opening**

**5.5.4.1 Distance from floor up**

Distance before the stop floor where the door starts to open during down travel, at early door opening (must be in floorzone)

*Min-/Max-/Incremental value/Unit:* 0/500/10/mm *Default:* 130

**5.5.4.2 Distance from floor down**

Distance before the stop floor where the door starts to open during up travel, at early door opening (must be in floorzone)

*Min-/Max-/Incremental value/Unit:* 0/500/10/mm *Default:* 130

**5.5.4.3 Speed during door opening**

Highest speed allowed for lift at early door opening

*Min-/Max-/Incremental value/Unit:* 0.00/0.50/0.01/m/s *Default:* 0.30

**5.5.5 Relevelling with open door**

If 1: relevelling with opened door allowed

0=No 1=Yes

*Available selections:* 1/0 *Default:* 1

**1.4.5.6 5.6 Traffic control**

**5.6.1 Automatic return**

Press the "select" button to step forward to the menus to floor number

The lift departs to fixed floor. If 0, no return.

itm floor=the lift is parked between floors (intermediate floors).

*Available selections:* 0-total number of floors, itm floor *Default:* 1

after ? minutes

Return: after fixed time

*Min-/Max-/Incremental value/unit:* 0/15/1/min *Default:* 15

**open / closed door**

Return: stops either with door opened or door closed

*Available selections:* Opened door, Closed door  
*Default:* Closed door

**open / closed door 2nd door**

Return: stops either with door opened or door closed

*Available selections:* Opened door, Closed door  
*Default:* Closed door

**5.6.2 Fireman control BR1**

If fire alarm has been activated as extra input, the lift immediately and automatically departs to adjusted floor.

If 0 the lift remains at present floor, and if lift is in motion it will stop at next possible floor.

*Press the "select" button to step forward to the menus*

**to floor number**

*Available selections:* 0-total number of floor  
*Default:* 1

**open / closed door**

Return: stops either with door opened or door closed

*Available selections:* Opened door, Closed door  
*Default:* Closed door

**open / closed door 2nd door**

Return: stops either with door opened or door closed

*Available selections:* Opened door, Closed door  
*Default:* Closed door

**5.6.3 Entrance floor**

**to floor number**

The entrance floor is used at collective down control system. The lift is collective down above the entrance floor and Collective up below the entrance floor.

*Available selections:* 0-total number of floor  
*Default:* 0

**5.6.4 Evacuation floor**

**to floor number**

If extra input "Evacuation travel" 6.5.1 is activated the lift will travel to set floor.

*Available selections:* 0-total number of floor  
*Default:* 0

**5.6.5 Emergency power travel 24V**

If 1: At power failure the lift is travel to nearest floor below with the battery

0=No 1=Yes

*Available selections:* 1/0  
*Default:* 0

**5.6.6 Block. destination to floor**

If extra input "CabinDbl Flr " (6.5.1) is active the following destination buttons to floor are blocked

0 0 0 0 0 0

*Available selections:* 0-#8  
*Default:* 0

**1.4.5.7 5.7 Drive system**

**5.7.1 Up parameters**

**5.7.1.1 Travel curve**

**5.7.1.1.1 Acceleration**

Acceleration during up travel

*Min-/Max-/Incremental value/Unit:* 0.10/1.00/0.10/m/s<sup>2</sup>  
*Default:* 0.2-0.5, due to lift speed

Lower value results in softer acceleration

### 5.7.1.1.2 Deceleration

Deceleration during up travel

*Min-/Max-/Incremental value/Unit:*  
0.10/1.00/0.10/m/s<sup>2</sup>

*Default:*

0.07-0.3, due to lift speed

Lower value results in softer deceleration

### 5.7.1.1.3 Regulated speed

If 1: The up speed is regulated to a value equal to the set value at menu 6.1.2.2.3

0=No      1=Yes

*Available selections:*

*Default:*

1/0

0

### 5.7.1.2 Installation travel

Installation travel. Lowest speed is 5%, highest speed is 100%.

*Min-/Available values/Incremental value/Unit:*

*Default:*

5%/10%, 25%, 50%, 75%/100%/-

50

### 5.7.1.3 Inspection travel

#### 5.7.1.3.1 Speed

Inspektion speed regulated to set value.

*Min-/Max-/Incremental value/Unit:*

*Default:*

0.10/0.50/0.01/m/s

Travel speed, max 0.50

#### 5.7.1.3.2 Distance Top floor -> Stop

Distance between top floor and stop, when the lift cannot be run with inspection.

*Min-/Max-/Incremental value/Unit:*

*Default:*

0.00/2.00/0.10/m

0.00

## 5.7.2 Down parameters

### 5.7.2.1 Travel curve

#### 5.7.2.1.1 Acceleration

Acceleration during down travel

*Min-/Max-/Incremental value/Unit:*

*Default:*

0.10/1.00/0.10/m/s<sup>2</sup>

0.5-0.6, due to lift speed

Lower value results in softer acceleration

#### 5.7.2.1.2 Deceleration

Deceleration during down travel

*Min-/Max-/Incremental value/Unit:*

*Default:*

0.10/1.00/0.10/m/s<sup>2</sup>

0.07-0.3, due to lift speed

Lower value results in softer deceleration

### 5.7.2.2 Installation travel

Installation travel. Lowest speed is 25%, highest speed is 100%.

*Min-/Max-/Incremental value/Unit:*

*Default:*

25%/100%/25%/m/s<sup>2</sup>

50

### 5.7.2.3 Inspection travel

#### 5.7.2.3.1 Speed

Inspektion speed regulated to set value.

*Min-/Max-/Incremental value/Unit:*

*Default:*

0.10/0.50/0.01/m/s

0.50

#### 5.7.2.3.2 Distance Low floor -> Stop

Distance between lowest floor and stop, when the lift cannot be run with inspection.

*Min-/Max-/Incremental value/Unit:*

*Default:*

0.00/2.00/0.10/m

0.00

## 5.7.3 Motor parameters

### 5.7.3.1 Longest run time

Longest motor run time

*Min-/Max-/Incremental value/Unit:*

*Default:*

40/120/5/s

60

**5.7.3.2 Additional run time**

Addition to the calculated motor run time from learn floor travel

*Min-/Max-/Incremental value/Unit:* *Default:*  
 5/40/5/s 10

**5.7.4 Servo frequency**

Dither frequency for the servo valve

*Min-/Max-/Incremental value/Unit:* *Default:*  
 50/130/5/Hz 100

**5.7.5 Relevel, See 6.1.4.3.2**

**1.4.5.8 5.8 Tableaux**

**5.8.1 Floor indicator Car**

Select type

*Available selections:*

NONE; BCDQV; LAMP common+, LAMP common- (one output /floor); BCD common+, BCD common- (Binary) GREY common+, GREY common-

**5.8.2 Floor indicator at floor**

Select type

*Available selections:*

NONE; BCDQV; LAMP common+, LAMP common- (one output /floor); BCD common+, BCD common- (Binary) GREY common+, GREY common-

**5.8.3 Arrival signal**

Select type

*Available selections:*

Summer (three signals), Car Here (constant signal), Gong ( 5 seconds output)

**1.4.5.9 5.9 Extra**

**5.9.1 Extra output timeout**

Is used when an extra output need a time control

*Min-/Max-/Incremental value/unit:* *Default:*  
 0/255/1/s 5

**5.9.2 Special**

Is used at special program

*Min-/Max-/Incremental value/unit:* *Default:*  
 0/255/1/- 0

**1.4.6 6 Advanced**

**1.4.6.1 6.1 Settings drive**

**6.1.1 Learn travel commissioned**

**6.1.1.1 Hydraulics**

If 1: the hydraulic parameters are accepted, either manually or via learn travel

0=No      1=Yes

*Available selections:* *Default:* *Learn travel:*  
 1/0 0 Set to 1 at at learn hydraulics

**6.1.1.2 Floors**

If 1: the floor parameters are accepted, either manually or via learn travel

0=No      1=Yes

*Available selections:* *Default:* *Learn travel:*  
 1/0 0 Set to 1 at at learn floor



**6.1.2.2.4.2 J3**

Acceleration decrease during up travel (from constant acceleration to constant speed)

*Min-/Max-/Incremental value/unit:* *Default:*  
0.2/10.0/0.1/m/s<sup>3</sup> 0.4

Lower value gives softer changeover

**6.1.2.2.4.3 J5**

Deceleration increase during up travel (from constant speed to constant deceleration)

*Min-/Max-/Incremental value/unit:* *Default:*  
0.2/10.0/0.1/m/s<sup>3</sup> 1.6

Lower value gives softer changeover

**6.1.2.2.4.4 J7**

Deceleration decrease during up travel (from constant deceleration to stationary)

*Min-/Max-/Incremental value/unit:* *Default:*  
0.2/10.0/0.1/m/s<sup>3</sup> 0.4

Lower value gives softer changeover

**6.1.2.2.5 Relevel**

**6.1.2.2.5.1 Start ramp**

Inclination of current increase at start

*Min-/Max-/Incremental value/unit:* *Default:*  
1/20/1/- 10

Lower value gives softer start

**6.1.2.2.5.2 High speed**

High releveling speed

*Min-/Max-/Incremental value/unit:* *Default:*  
0.02/0.20/0.01/m/s 0.1

**6.1.2.2.5.3 Low speed**

Low releveling speed

*Min-/Max-/Incremental value/unit:* *Default:*  
0.02/0.05/0.01/m/s 0.02

**6.1.2.2.5.4 High/Low swposition at start**

Position for alternating between high and low speed at start

*Min-/Max-/Incremental value/unit:* *Default:*  
0.10/0.20/0.01/m 0.15

**6.1.2.2.5.5 High/Low swposition travel**

Position for alternating between high and low speed during releveling

*Min-/Max-/Incremental value/unit:* *Default:*  
0.05/0.15/0.01/m 0.10

**6.1.2.2.5.6 Stop position**

Position where releveling is stopped

*Min-/Max-/Incremental value/unit:* *Default:*  
0.002/0.010/0.001/m 0.007

**6.1.2.2.6 Learn travels**

**6.1.2.2.6.1 Deceleration**

Deceleration at learn floor

*Min-/Max-/Incremental value/unit:* *Default:*  
0.2/1.0/0.1/m/s<sup>2</sup> 0.8

Lower value gives softer deceleration

**6.1.2.2.6.2 Low speed at learn floor**

Low speed at learn floor

*Min-/Max-/Incremental value/unit:* *Default:*  
0.02/0.15/0.01/m/s 0.2

**6.1.2.3 Hydraulics**

**6.1.2.3.1 Current max speed**

Current value for closed valve

*Min-/Max-/Incremental value/unit:*  
24 000/29 000/1 000/-

Lower value gives more open valve

*Learn travel:*

Learned in Learn hydraulics

### 6.1.2.3.2 Installation travel

Lowest installation travel speed is 25%, highest is 100%.

*Min-/Max-/Incremental value/unit:* *Default:*  
25%/100%/25%/m/s<sup>2</sup> 50

### 6.1.2.3.3 Offset current

Current that feed the valve at start. Generate start pressure

*Min-/Max-/Incremental value/unit:* *Learn travel:*  
15 000/22 000/100/- Learned in Learn hydraulics  
Higher value gives faster start. Beware of jerk at start at empty car / cold oil.

### 6.1.2.3.4 Max learned speed

Learned max speed at learn hydraulics

*Min-/Max-/Incremental value/unit:* *Learn travel:*  
0.1/1.0/0.05/m/s Learned in Learn hydraulics

## 6.1.3 Down parameters

### 6.1.3.1 Regulator

#### 6.1.3.1.1 Speed

##### 6.1.3.1.1.1 Amplification - acc - full speed

Amplification speed regulator

*Min-/Max-/Incremental value/unit:* *Default:*  
2 500/4 500/100/ggr 3000 or 3900, due to lift height and natural frequency

Higher value gives faster regulation. Beware of self-oscillation at too high value.

##### 6.1.3.1.1.2 Integration

Integration time speed regulator

*Min-/Max-/Incremental value/unit:* *Default:*  
0.01/0.20/0.01/s 0.10

Lower value gives faster regulation. Beware of self-oscillation at too low value.

##### 6.1.3.1.2 Feed forward - Deceleration

###### 6.1.3.1.2.1 Amplification

Amplification feed forward

*Min-/Max-/Incremental value/unit:* *Default:*  
100 000/250 000/10 000/ggr 150 000-200 000, due to self-oscillation

Higher value gives faster regulation. Beware of self-oscillation at too high value.

###### 6.1.3.1.2.2 Integration

Integration time feed forward

*Min-/Max-/Incremental value/unit:* *Default:*  
0.1/1.0/0.05/s 0.45

Lower value gives faster regulation. Beware of self-oscillation at too low value.

### 6.1.3.2 Travel curve

#### 6.1.3.2.1 Acceleration

Acceleration during down travel

*Min-/Max-/Incremental value/unit:* *Default:*  
0.1/1.0/0.05/m/s<sup>2</sup> 0.5-0.6, due to lift speed

#### 6.1.3.2.2 Deceleration

Deceleration during down travel

*Min-/Max-/Incremental value/unit:* *Default:*  
0.1/1.0/0.05/m/s<sup>2</sup> 0.07-0.3, due to lift speed

#### 6.1.3.2.3 Deceleration to low speed inspection

Deceleration to low speed at inspection travel

*Min-/Max-/Incremental value/unit:* *Default:*  
0.2/1.0/0.1/- 0.6

Lower value gives softer deceleration

#### 6.1.3.2.4 Normal - Rated speed

Travel speed is regulated to set value.

*Min-/Max-/Inkrementalvärde/enhet:* *Default:*  
0.05/1.50/0.02/m/s 0.96x up speed

**6.1.3.2.5 Rupture test factor**

The factor that the speed is increased by, at rupture valve test (menu 4.6)

*Min-/Max-/Incremental value/unit:* *Default:*  
 1.1/1.8/0.1/- 1.5

Higher value gives higher speed

**6.1.3.2.6 Low inspection speed**

Low speed at inspection travel

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.02/0.08/0.01/- 0.04

**6.1.3.2.7 Jerk**
**6.1.3.2.7.1 J1**

Acceleration increase during down travel (from stationary to constant acceleration)

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.2/10.0/0.1/m/s<sup>3</sup> 10

Lower value gives softer change-over

**6.1.3.2.7..2 J3**

Acceleration decrease during down travel (from constant acceleration to constant speed)

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.2/10.0/0.1/m/s<sup>3</sup> 2.5

Lower value gives softer change-over

**6.1.3.2.7.3 J5**

Deceleration increase during down travel (from constant speed to constant deceleration)

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.2/10.0/0.1/m/s<sup>3</sup> 1.6

Lower value gives softer change-over

**6.1.3.2.7.4 J7**

Deceleration decrease during down travel (from constant deceleration to stationary)

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.2/10.0/0.1/m/s<sup>3</sup> 1.6

Lower value gives softer change-over

**6.1.3.2.8 Relevel**
**6.1.3.2.8.1 Start ramp**

Inclination of current increase at start

*Min-/Max-/Incremental value/unit:* *Default:*  
 1/20/1/- 10

Lower value gives softer start

**6.1.3.2.8.2 High speed**

High releveling speed

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.02/0.20/0.01/m/s 0.1

**6.1.2.2.8.3 Low speed**
**Low speed**

Low releveling speed

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.02/0.05/0.01/m/s 0.02

**6.1.3.2.8.4 High/Low swposition at start**

Position for alternating between high and low speed at start

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.10/0.20/0.01/m 0.25

**6.1.3.2.8.5 High/Low swposition travel**

Position for alternating between high and low speed during releveling

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.05/0.15/0.01/m 0.20

**6.1.3.2.8.6 Stop position**

Position where releveling is stopped

*Min-/Max-/Incremental value/unit:* *Default:*  
 0.002/0.010/0.001/m 0.007

### 6.1.3.2.9 Learn travels

#### 6.1.3.2.9.1 Deceleration

Deceleration at learn floor

*Min-/Max-/Incremental value/unit:* *Default:*  
0.2/1.0/0.1/m/s<sup>2</sup> 0.8

Lower value gives softer deceleration

#### 6.1.3.2.9.2 Low speed at learn floor

Low speed at learn floor

*Min-/Max-/Incremental value/unit:* *Default:*  
0.02/0.15/0.01/m/s 0.08

### 6.1.3.3 Hydraulics

#### 6.1.3.3.1 Current max speed

Current value for opened valve. Current for max speed minus 13 000.

*Min-/Max-/Incremental value/unit:* *Learn travel:*  
10 000/16 000/1 000/- Learned in at learn travel

Lower value gives higher available speed

#### 6.1.3.3.2 Installation travel

Lowest installation travel speed is 25%, highest is 100%.

*Min-/Max-/Incremental value/unit:* *Default:*  
25%/100%/25%/- 50

#### 6.1.3.3.3 Offset current

Current value used at final stop.

*Min-/Max-/Incremental value/unit:* *Default:*  
24 000/29 000/100/- Current for max speed up minus 500

Higher value gives faster/harder final stop.

#### 6.1.3.3.4 Start current

Current value used at start.

*Min-/Max-/Incremental value/unit:* *Default:*  
20 000/29 000/100/- Current for max speed up minus 500

Lower value gives quicker start.

#### 6.1.3.3.5 Max current

Max current that can feed the valve

*Min-/Max-/Incremental value/unit:* *Default:*  
29 000/31 000/100/- 30 000

#### 6.1.3.3.6 Stop position

Floor position when down valve is shut off

*Min-/Max-/Incremental value/unit:* *Default:*  
0.005/0.025/0.001/m 0.015

Lower value gives later final stop

### 6.1.4 Floor parameters

#### 6.1.4.1 Number of floors

Number of floors that the system has found at learn floors

*Min-/Max-/Incremental value/unit:* *Default:* *Learn travel:*  
1/16/1/pcs 0 Learned in at learn floor

#### 6.1.4.2 Encoder rotation direction

If 1: clockwise rotation. Opposite rotation by switch from 0 to 1

0=No 1=Yes

*Available selections:* *Default:* *Learn travel:*  
1/0 0 Learned in at learn hydraulics

#### 6.1.4.3 Relevel

##### 6.1.4.3.1 Relevel tolerance

When the lift is located beyond the tolerance it relevels automatically

*Min-/Max-/Incremental value/unit:* *Default:*  
5/25/1/mm 15

**6.1.4.3.2 Relevel**

If 1: releveling is active. It is possible to temporarily inactivate the releveling, but this mode cannot be saved, the releveling mode will return to be active after next travel.

0=No 1=Yes

Available selections: Default:  
1/0 1

**6.1.4.4 Reset self adjustment**

If 1: reset of the self learning position system

0=No 1=Yes

Available selections: Default:  
1/0 0

**6.1.4.5 Short end floor**

If 1: the distance between the last and the second last floor is too short for the Learn floor travel to have time to stop

0=No 1=Yes

Available selections: Default:  
1/0 0

**6.1.5 Motor parameters**

**6.1.5.1 Shortest run time**

Shortest motor run time

Min-/Max-/Incremental value/unit:  
5/40/5/s

Learn travel:  
Learned in at Learn floor

**6.1.5.2 Longest motor run time**

Longest motor run time

Min-/Max-/Incremental value/unit: Default:  
20/120/5/s 90

**6.1.5.3 Additional run time**

Addition to the calculated motor run time

Min-/Max-/Incremental value/unit: Default:  
5/40/5/s 10

**6.1.6 Others**

**6.1.6.1 Servo frequency**

A dither signal superimposed on valve current to help the valve to a smoothly motion

Min-/Max-/Incremental value/unit: Default:  
50/130/5/Hz 100

**6.1.6.2 Changed parameters**

If 1:

0=No 1=Yes

Available selections: Default:  
1/0 0

**1.4.6.2 6.2 Doors**

**6.2.1 Main side door**

Adjustment of doortype:

NODOOR= no door

AUTOMAT=Automatic door

SWING DOOR= swing door

SWGROOF=Swing door with door opener on car roof

SWG+CARDOOR=swing door with car door

Available selections:

Default:

AUTOMAT, SWING DOOR, SWG ROOF ,  
SWG+CARDOOR, NO DOOR

**6.2.2 Second side door**

Adjustment of doortype:

NODOOR= no door

AUTOMAT=Automatic door

SWING DOOR= swing door

SWGROOF=Swing door with door opener on car roof

SWG+CARDOOR=swing door with car door

Available selections:

Default:

AUTOMAT, SWING DOOR, SWG ROOF ,  
SWG+CARDOOR, NO DOOR

**1.4.6.3 6.3 Anti creep device**

Select number of anti creep device

*Available selections:*

0-2

*Default:*

0

**Sensor function***Available selections:*

Not extend + not retract, not retract

*Default:***1.4.6.4 6.4 Floors****6.4.1 Set floor nodes**

Configure floor nodes

**6.4.1.1 All nodes in shaft***Available selections:*

floor 1-16

*Default:***Select side**

Main side / Second side / No doors

**Select floor node**

Place correct node for door A1-A16

*Available selections:*

floor 1-16

*Default:***Safety circuit order**

Specify where in safety circuit the node is situated

*Available selections:*

floor 1-16

*Default:***6.4.1.2 All nodes in machine room***Available selections:*

floor 1-2

*Default:***Select side**

Main side / Second side / No doors

**Select floor node**

Place correct node for door A1-A16

*Available selections:*

floor 1-16

*Default:*

### 1.4.6.5 6.5 IN-/OUTPUTS

Extra in- and outputs

Explanations of all extra inputs:

Name in Display	Description	Related Out.
NONE	o No function	
Disable Flr 1	o Disable floor calls and destinations to floor 1	
Disable Flr 2	o Disable floor calls and destinations to floor 2	
Disable Flr 3	o Disable floor calls and destinations to floor 3	
Disable Flr 4	o Disable floor calls and destinations to floor 4	
Disable Flr 5	o Disable floor calls and destinations to floor 5	
Disable Flr 6	o Disable floor calls and destinations to floor 6	
Disable Flr 7	o Disable floor calls and destinations to floor 7	
Disable Flr 8	o Disable floor calls and destinations to floor 8	
Disable Call/FI	o Disable floor calls, only on the floor node that the function is set to	
Disable FI.Call	o Disable all floor calls on the floor nodes that are set with "Disable Call/FI"	
Open/CI Floor	o Open/Closebutton for swing door opener, only on the floor node that the function is set to	
Call 1 Main	o Call Floor 1 side 1	
Call 2 Main	o Call Floor 2 side 1	
Call 3 Main	o Call Floor 3 side 1	
Call 4 Main	o Call Floor 4 side 1	
Call 5 Main	o Call Floor 5 side 1	
Call 6 Main	o Call Floor 6 side 1	
Call 7 Main	o Call Floor 7 side 1	
Call 8 Main	o Call Floor 8 side 1	
Fire Recall 1	<b>Fire alarm that blocks Recall floor 1</b> o Input that blocks one floor for return, set in menu 5.6.2 o If recall floor 2 is not blocked this floor is selected for return, otherwise 3 o Parks elevator with door in position that is set in menu 5.6.2 o Disable destination and call buttons.	Fire Ind.
Fire Recall 2	<b>Fire alarm that blocks Recall floor 2</b> o Input that blocks one floor for return, set in menu 5.6.2 o If recall floor 1 is not blocked this floor is selected for return, otherwise 3 o Parks elevator with door in position that is set in menu 5.6.2 o Disable destination and call buttons.	Fire Ind.
Fire Recall 3	<b>Fire alarm that blocks Recall floor 3</b> o Input that blocks one floor for return, set in menu 5.6.2 o If recall floor 1 is not blocked this floor is selected for return, otherwise 2 o Parks elevator with door in position that is set in menu 5.6.2 o Disable destination and call buttons.	Fire Ind.
Fire block	o Blocks elevator at its location	
BR1 Fire	o Fire alarm with return to floor that is set in menu 5.6.2 o Parks elevator with door in position set in menu 5.6.2 o Disable destination and call buttons.	Fire Ind.
BR1 Fire 2	o Fire alarm with return to floor 2 that is set in menu 5.6.2 o Parks elevator with door in position set in menu 5.6.2 o Disable destination and call buttons.	Fire Ind.
CabinDisable	o Disable all new destinations from cabin	
CabinDbl Flr	o Disable destinations to one or more floors, that are set in menu 5.6.6 o Disable destinations to floor which floornode has the function "Dsbl CarCall/FI" active	
PB Time	o Activates output "Timer" for certain time, adjustable in menu 5.9.1 (minutes)	Timer
N/A	o Not available function	
LowPit	<b>Contact at low pit</b> o gives a blocking that has to be reset at the controller before a new travel can be done o Prevents start / interrupts a travel	

Name in Display	Description	Related Out.
LowPit door	<b>Contact for door at low pit</b> <ul style="list-style-type: none"> <li>o gives a blocking that has to be reset at the controller before a new travel can be done</li> <li>o Prevents start / interrupts a travel</li> <li>o The contact is supervised at every door opening</li> </ul>	
LowTop door	<b>Contact for door at low top</b> <ul style="list-style-type: none"> <li>o gives a blocking that has to be reset at the controller before a new normal travel can be done</li> <li>o Prevents start / interrupts a travel</li> <li>o The contact is supervised at every door opening</li> <li>o Inspection travel is possible</li> </ul>	
LowTop	<b>Contact at low top</b> <ul style="list-style-type: none"> <li>o gives a blocking that has to be reset at the controller before a new normal travel can be done</li> <li>o Prevents start / interrupts a travel</li> <li>o Inspection travel is possible</li> </ul>	
ContCarPanel	<b>Contact behind the car panel ( sabotage switch)</b> <ul style="list-style-type: none"> <li>o gives a blocking that has to be reset at the controller before a new normal travel can be done</li> </ul>	
Disable OpDo	<b>Elevator disable with opened door</b> <ul style="list-style-type: none"> <li>o Disable destination and call buttons.</li> <li>o Travel to floor that is set in menu 5.6.4, if floor=0 park at current floor</li> <li>o Parks elevator with door opened</li> </ul>	Out of Serv.
Disable Lift	<b>Elevator disable</b> <ul style="list-style-type: none"> <li>o Disable destination and call buttons.</li> <li>o Travel to floor that is set in menu 5.6.4, if floor=0 park at current floor</li> </ul>	Out of Serv.
Disable Fan	o Disable output "Fan Timer"	Fan Timer
Enable Light	o Makes the output "Aut.CabLight" constant active	Aut.CabLight
Overload Ext	<b>External overload contact</b> <ul style="list-style-type: none"> <li>o Keep automatic doors open</li> <li>o Prevent start</li> </ul>	Overload ind
Fulload Ext	<b>Extern fullast kontakt</b> <ul style="list-style-type: none"> <li>o Tar emot anrop men behandlar de ej</li> </ul>	Fulload Ind
Minload Ext	<b>External minload contact</b> <ul style="list-style-type: none"> <li>o Prevent new destinations</li> </ul>	
Evac. Travel	<b>Evacuation travel</b> <ul style="list-style-type: none"> <li>o Activates a evacuation travel at external emergency power ("EmrgPow Dsbl" is active) to floor set in menu 5.6.4. If floor is set to 0 the elevator is evacuated to nearest floor below</li> <li>o Parks elevator with door in position set in menu 5.6.4</li> </ul>	Evac Finish
EmrgPow Dsbl	o Block destinations and calls at external emergency power	EmPower Ind.
EmrgPow Rel	o Allows normal travels at external emergency power ("EmrgPow Dsbl" is active)	
FireMan v1	<b>Fireman control version 1</b> <ul style="list-style-type: none"> <li>o Disable call buttons</li> <li>o Returns to recall floor and parks with door opened</li> <li>o Closes door at constant pressed destination button, reverses door if button is released</li> <li>o Do not opened the door when the elevator arrives to floor. Just opens at constant pressed open button and closes immediately when the button is released.</li> <li>o Door is parked when full opened</li> </ul>	FireCtrl Ind
FireMan v2	<b>Fireman control version 2</b> <ul style="list-style-type: none"> <li>o Disable call buttons</li> <li>o Returns to recall floor and parks with door opened</li> <li>o Closes door after new destination</li> <li>o Do not opened the door when the elevator arrives to floor. Just opens at constant pressed open button and closes immediately when the button is released.</li> <li>o Door is parked when full opened</li> </ul>	FireCtrl Ind

Name in Display	Description	Related Out.
<b>FireMan v3</b>	<b>Fireman control version 3</b> <ul style="list-style-type: none"> <li>o Disable call buttons</li> <li>o Returns to recall floor and parks with door opened</li> <li>o Closes door after new destination</li> <li>o Door opens automatically when arrival to floor</li> <li>o Door is parked when full opened</li> </ul>	FireCtrl Ind
<b>FireMan ext. PB</b>	<ul style="list-style-type: none"> <li>o If an extra push button is needed to be activated to enable fireman control</li> </ul>	
<b>Hid.DoCont</b>	<b>Extra door contact at swing door</b> <ul style="list-style-type: none"> <li>o Prevents start / interrupts a travel</li> </ul>	
<b>FireMan.Reset</b>	<ul style="list-style-type: none"> <li>o If an manual reset is needed to deactivate a fire alarm ("BR1 Fire" has to be inactive)</li> </ul>	
<b>Priority</b>	<b>Priority travel</b> <ul style="list-style-type: none"> <li>o Block calls</li> <li>o Park with automatic doors open</li> <li>o Just receives one destination at a time</li> </ul>	Priority Ind
<b>Prio One Tr.</b>	<b>Priority travel, just one destination</b> <ul style="list-style-type: none"> <li>o Receive calls but do not process them</li> <li>o Parks with automatic door open for a time that is set in menu 5.5.1.1.7</li> <li>o Just receives one destination at a time.</li> <li>o After a travel or time (menu 5.5.1.1.7) the elevator is automatically available</li> </ul>	Priority Ind
<b>Park Op.Door</b>	<ul style="list-style-type: none"> <li>o Park with automatic doors opened</li> <li>o Blocks destinations and calls</li> </ul>	ParkOpDo Ind
<b>PHCELL Norm</b>	<b>Photocell swing door</b> <ul style="list-style-type: none"> <li>o Prevents start, interrupts a travel and disable calls</li> <li>o Reset blocking with new destination</li> </ul>	
<b>PHCELL Supv.</b>	<b>Photocell swing door, supervised</b> <ul style="list-style-type: none"> <li>o Prevents start, interrupts a travel and disable calls</li> <li>o Reset blocking with new destination</li> <li>o Check that photocell is inactive before start</li> </ul>	CabinDbl ind.
<b>OpenSwg+Emst</b>	<b>Door reversing swing door + emergency stop</b> <ul style="list-style-type: none"> <li>o Door reversion of swing door opener</li> <li>o Prevents start, interrupts a travel and disable calls</li> <li>o Reset blocking with new destination</li> </ul>	
<b>Close swg Door</b>	<ul style="list-style-type: none"> <li>o Close button for swing door opener, only on the floor node that the function is set to</li> </ul>	
<b>Open swg Door</b>	<ul style="list-style-type: none"> <li>o Open button for swing door opener, only on the floor node that the function is set to</li> </ul>	
<b>Send to 1</b>	<ul style="list-style-type: none"> <li>o Send button to floor 1</li> </ul>	Ackn send 1
<b>Send to 2</b>	<ul style="list-style-type: none"> <li>o Send button to floor 2</li> </ul>	Ackn send 2
<b>Send to 3</b>	<ul style="list-style-type: none"> <li>o Send button to floor 3</li> </ul>	Ackn send 3
<b>Set Output</b>	<ul style="list-style-type: none"> <li>o Activates the output "Output"</li> </ul>	Output
<b>Oil Level cntct</b>	<b>Oil level contact</b> <ul style="list-style-type: none"> <li>o Return to floor 1</li> <li>o Gives a blocking that has to be reset at the controller before a new travel can be done</li> </ul>	
<b>Dsbl CarCall/FI</b>	<ul style="list-style-type: none"> <li>o If "CabinDbl Flr" is active, destinations are disabled to floor which floornode has the function "Dsbl CarCall/FI" active</li> </ul>	

Explanations of all extra outputs:

Name in Display	Description	Related Input
NONE	o No function	
Swg door rel	<b>Control of relay for swing door opener</b>	
	o Active for all floors (door locking contact LKK11 - 81 is used)	
Swg d. rel 2	o Control of relay for swing door opener 2nd side at 2 entrances at same floor	
	Control of relay for swing door opener:	
Swgdoor re1:1	floor 1 side 1	
Swgdoor re2:1	floor 2 side 1	
Swgdoor re3:1	floor 3 side 1	
Swgdoor re4:1	floor 4 side 1	
Swgdoor re5:1	floor 5 side 1	
Swgdoor re6:1	floor 6 side 1	
Swgdoor re7:1	floor 7 side 1	
Swgdoor re8:1	floor 8 side 1	
Swgdoor re1:2	floor 1 side 2	
Swgdoor re2:2	floor 2 side 2	
Swgdoor re3:2	floor 3 side 2	
Swgdoor re4:2	floor 4 side 2	
Swgdoor re5:2	floor 5 side 2	
Swgdoor re6:2	floor 6 side 2	
Swgdoor re7:2	floor 7 side 2	
Swgdoor re8:2	floor 8 side 2	
	o Activated by door button	
	o Inactive after a new press on button or after a time that is set in menu 5.5.2.2	
Alarm Ind.	o Flashing indicator after alarm button is pressed (DM236) o Is reset at next door opening	
BatTrav ind.	o Active when emergency travel with battery is in progress	
N/A	Not available function	
DoorOpen s:1	o Active when automatic door opens, Side 1	
DoorCl. s:1	o Active when automatic door closes, Side 1	
DoorOpen s:2	o Active when automatic door opens, Side 2	
DoorCl. s:2	o Active when automatic door closes, Side 2	
N/A	Not available function	
Timer	o Output that is active an adjustable time, menu 5.9.1 (minutes) o activated by "PB Time"	PB Time
N/A	Not available function	
Door Nudge	<b>Forced door closing</b> o Active after the door has reversed ten times on photocell o or that the door has stand full opened, blocked by the photocell, for a time, that is adjustable in menu 5.5.1.1.6	
Direction Up	<b>Travel direction Up</b> o Next travel has priority upwards	
Direction Dw	<b>Travel direction Down</b> o Next travel has priority downwards	
HereLamp 1	o Lift stationary at floor 1	
HereLamp 2	o Lift stationary at floor 2	
HereLamp 3	o Lift stationary at floor 3	
HereLamp 4	o Lift stationary at floor 4	
HereLamp 5	o Lift stationary at floor 5	
CallAck 1:1	o Acknowledgement call button floor 1:1	
CallAck 2:1	o Acknowledgement call button floor 2:1	
CallAck 3:1	o Acknowledgement call button floor 3:1	
CallAck 4:1	o Acknowledgement call button floor 4:1	
CallAck 5:1	o Acknowledgement call button floor 5:1	
CallAck 6:1	o Acknowledgement call button floor 6:1	

Name in Display	Description	Related Input
<b>Elev. Error</b>	<b>Elevator error indicator</b> o at blocking error that has to be reset at the controller o after the elevator has made a number of start attempts without been able to start	
<b>EmPower Ind.</b>	<b>Emergency power indicator</b> o Active when input "EmrgPow Dsbl" is active	EmrgPow Dsbl
<b>Evac Finish</b>	<b>Evacuation travel finished</b> o active after an evacuation travel has been performed and the elevator is at the evacuation or the fire recall floor	Evac. Travel
<b>Fire Ind.</b>	<b>Fire alarm indicator</b> o Active after a fire alarm input is activated	Fire Recall 1, Fire Recall 3, BR1 Fire, BR1 Fire 2
<b>FireCtrl Ind</b>	<b>Fireman control indicator</b> o Active when fire alarm control is active	FireMan v1, FireMan v3
<b>DoorCl. Fire</b>	o Active during door closing at fire alarm / fireman control	
<b>Fan Timer</b>	<b>Fan control</b> o Active when door is open and during a travel o inactive after an adjustable time in stand still mode, menu 5.9.1 (minutes) o or if input "Disable Fan" is active	Disable Fan
<b>Aut.CabLight</b>	<b>Control of cabin light</b> o Active when door is open and during a travel o inactive after an adjustable time in stand still mode, menu 5.9.1 (minutes) o or constant active if input "Enable Light" is active	Enable Light
<b>ArrivalFloor</b>	o Active when elevator is in deceleration mode	
<b>Lift coming</b>	o Active during deceleration, just at the floor node that the elevator is on its way to	
<b>FloorZon Buz</b>	o Active if the elevator is within floor zone	
<b>Gate Open</b>	<b>Door open -buzzer</b> o Active if door is open and call on other floor is pressed	
<b>Gong</b>	<b>Arrival signal in Cabin</b> o Active when lift arrives to a floor call o Different variants can be set in menu 5.8.3	
<b>Occupied</b>	<b>Occupied lamp</b> o Active when door is open, during travel and if elevator is not in normal mode	
<b>Out of Serv.</b>	<b>Lift out of service</b> o at blocking error that has to be reset at the controller o after the elevator has made a number of start attempts without been able to start  o When elevator is shut off or in special services(ex. fire alarm, priority) o when elevator is in inspection mode	
<b>Out of Func.</b>	o at blocking error that has to be reset at the controller o after the elevator has made a number of start attempts without been able to start  o when elevator is in inspection mode	
<b>Inspec. Ind.</b>	o Active when elevator is in inspection mode	
<b>Overload ind</b>	o Active at overload	Overload Ext
<b>Fulload Ind</b>	o Active at fulload	Fulload Ext
<b>Output</b>	o Active if input "Set Output" is active	Set Output
<b>ParkOpDo Ind</b>	o Active if input "Park Op.Doo" is active	Park Op.Door
<b>Priority Ind</b>	o Active if input "Priority" or "Prio One Tr." is active	Priority, Prio
<b>Phtcl/Travel</b>	o Output inactive before start, active during start and travel	PHCELL Supv.
<b>Ackn send 1</b>	o Acknowledgement of send button to floor 1	Send to 1
<b>Ackn send 2</b>	o Acknowledgement of send button to floor 2	Send to 2
<b>Ackn send 3</b>	o Acknowledgement of send button to floor 3	Send to 3
<b>N/A</b>	o Not available function	
<b>Call blocked</b>	o Active if "Disable Fl.Call" is active	Disable Fl.Call
<b>CabinDbl ind.</b>	o Active if "CabinDbl Flr" is active	CabinDbl Flr
<b>Sound Acknow.</b>	o Active 0.4sec after press on destination button	

## 6.5.1 Extra

### 6.5.1.1 Control node inputs

Two inputs can be set:

No.1 terminal P206:11 and no.2 terminal P206:13

<i>Available selections:</i>	<i>Default:</i>
(acc. to section 6.5 Extra Input)	NONE

### 6.5.1.2 Control node outputs

Four outputs can be set:

No.1 terminal P206:2, no.2 terminal P206:4, no.3 terminal P206:6 and no.4 terminal P206:8

<i>Available selections:</i>	<i>Default:</i>
(acc. to section 6.5 Extra Output)	NONE

### 6.5.1.3 Car node inputs

Nine inputs can be set:

No.1 terminal P503:1, no.2 terminal P503:2, no.3 terminal P503:3, no.4 terminal P503:4, no.5 terminal P703:1, no.6 terminal P703:2, no.7 terminal P703:3, no.8 terminal P703:4 and no.9 terminal P504:22

<i>Available selections:</i>	<i>Default:</i>
(acc. to 6.5 Extra Input)	NONE

### 6.5.1.4 Car node outputs

4\*2 outputs can be set, 4 per call board:

No.1 terminal P503:5, no.2 terminal P503:6, no.3 terminal P503:7, no.4 terminal P503:8, no.5 terminal P703:5, no.6 terminal P703:6, no.7 terminal P703:7 and no.8 terminal P703:8

<i>Available selections:</i>	<i>Default:</i>
(acc. to section 6.5 Extra Output)	NONE

### 6.5.1.5 Floor nodes inputs

2\*16 inputs can be set for each node, 1-16, 2 per floor node board. Total 16 floor node boards:

Node #1-16 input no.1 terminal P4:3, Node #1-16 input no.2 terminal P4:4

<i>Available selections:</i>	<i>Default:</i>
(acc. to section 6.5 Extra Input)	NONE

### 6.5.1.6 Floor node outputs

2\*16 outputs can be set for each node, 1-16, 2 per floor node board. Total 16 floor node boards:

Node #1-16 input no.1 terminal P4:8, Node #1-16 input no.2 terminal P4:9

<i>Available selections:</i>	<i>Default:</i>
(acc. to section 6.5 Extra Output)	NONE

## 6.5.2 Signals

### 6.5.2.1 Inputs NO/NC/IMPULS

NO = Normally open, NC = Normally closed and IMPULS = Impulse

#### 6.5.2.1.1 Control node

Two inputs can be set:

No.1 terminal P206:11 and no.2 terminal P206:13

<i>Available selections:</i>	<i>Default:</i>
NC=0, NO=1, Impuls=2	1

### 6.5.2.1.2 Car node

Nine inputs can be set:

No.1 terminal P503:1, no.2 terminal P503:2, no.3 terminal P503:3, no.4 terminal P503:4, no.5 terminal P703:1, no.6 terminal P703:2, no.7 terminal P703:3, no.8 terminal P703:4 and no.9 terminal P504:22

<i>Available selections:</i>	<i>Default:</i>
NC=0, NO=1, Impuls=2	1

### 6.5.2.1.3 Floor nodes

Two inputs can be set:

terminal P4:3, terminal P4:4

<i>Available selections:</i>	<i>Default:</i>
NC=0, NO=1, Impuls=2	1

## 6.5.2.2 Outputs Common +/-

### 6.5.2.2.1 Car node

Eight outputs can be set:

No.1 terminal P503:5 no.2 terminal P503:6, no.3 terminal P503:7, no.4 terminal P503:8, no.5 terminal P703:1, no.6 terminal P703:2, no.7 terminal P703:3, no.8 terminal P703:4

<i>Available selections:</i>	<i>Default:</i>
Common+ =1, Common- =0	1

### 6.5.2.2.2 Floor nodes

Two outputs can be set:

terminal P4:8, terminal P4:9

<i>Available selections:</i>	<i>Default:</i>
Common+ =1, Common- =0	1

### 6.5.2.2.3 Travel direction arrows (cabin)

<i>Available selections:</i>	<i>Default:</i>
Common+ =1, Common- =0	1

### 6.5.2.2.4 Next travel direction arrows (floor nodes)

<i>Available selections:</i>	<i>Default:</i>
Common+ =1, Common- =0	1

### 6.5.2.2.5 Arrival signal

<i>Available selections:</i>	<i>Default:</i>
Common+ =1, Common- =0	1

## 6.5.3 No of Cabin I/O PCB

### 6.5.3.1 Change of no I/O PCB

<i>Available selections:</i>	<i>Default:</i>
1, 2	2

**1.4.6.6 6.6 Traffic control****6.6.1 Select system**

FULCOL = Full collective

PICKUP = Call storing

DIRECT = Direct control

ONECOL = Down collective if call button is connected to P4:7.

Up collective if call button is connected to P4:6.

*Available selections:**Default:*

FULCOL, PICKUP, DIRECT, ONECOL

**6.6.2 Group control****6.6.2.1 Elevator Identity***Available selections:**Default:*

1, 2, 3

1

**6.6.2.2 Local call buttons**

If an elevator in a group would be able to call separately.  
(All elevators in the group must be set to the same value)

0 = all calls are common.

1-4 = Elevator identity which have the seperat call buttons.

*Available selections:**Default:*

0, 1, 2, 3

0 at group elevator, 1 at single elevator

**6.6.2.3 Solitary floor**

If an elevator in a group has an own floor which it serves by itself.

0 = no solitary floor

*Available selections:**Default:*

0 - max number of floors

0