

Elevator Systems
EMIS-100

EMIS – 100
Manual

The screenshot shows the EMIS-100 Master interface. At the top, there is a navigation menu with 10 items, each numbered in a red box with a downward arrow: 1) All Banks, 2) Reports, 3) Security, 4) Car Details, 5) Controller Flags, 6) Dispatcher, 7) Parameters, 8) EventLog, 9) Job Information, and 10) Floor Heights. Below the menu, the main content area is divided into several sections. On the left, there is a vertical sidebar with a list of bank statuses: Summary, Out of Service (highlighted in red), Special Service (highlighted in yellow), Normal (highlighted in green), and Sample Address:Car A. The main content area has a 'Select Banks to View' section with four buttons: All, Out of Service, Special Service, and In Service. To the right of these buttons is a search box labeled 'By Name' with the text 'Name contains' and a 'Select' button. Below this is a 'Selected Banks' section showing a sample ESI for 'Car A' with a 'PH' indicator and an 'Automatic' status, represented by a green circle.

- 1) **All Banks:** Displays the status and locations of all cars.
- 2) **Reports:** Generates a printable report of all hall calls recorded and event logs.
- 3) **Security:** Allows user to deny and unlock floors.
- 4) **Car Details:** Displays general information that the controller sees from the car.
- 5) **Controller Flags:** Displays the controller flags
- 6) **Dispatcher:** Displays all cars and statuses in dispatcher
- 7) **Parameters:** Displays and allows for control of controllers parameters
- 8) **EventLog:** Displays the event log from the controller
- 9) **Job Information:** Displays general job information
- 10) **Floor Heights:** Displays floor heights

All Banks

EMIS-100 - Master

The screenshot displays the 'All Banks' interface. On the left, a sidebar lists service statuses: 'Out of Service' (red), 'Special Service' (yellow), and 'Normal' (green). The main area has a 'Select Banks to View' section with four buttons: 'All', 'Out of Service', 'Special Service', and 'In Service'. To the right of these buttons is a search field labeled 'By Name' with a 'Name contains' input and a 'Select' button. Below the search field, a 'Selected Banks' section shows a card for 'Sample ESI Car A' with a 'PH' label and an 'Automatic' status indicator. Three red boxes with numbers 1, 2, and 3 point to the filter buttons, the search field, and the selected bank card, respectively.

1) Allows the user to filter which banks are displayed.

All: View all available banks.

Out of service: View all banks not in service.

Special Service: View all banks in special service.

In Service: View all banks in normal operation.

2) Allows the user to filter which banks are displayed by specified address.

Example: " Sample Address"

3) Displays the selected bank. Shows the status and landing of car(s) in the bank.

By default all banks are displayed

All Banks Continued

The screenshot displays the EMIS-100 software interface. On the left, a vertical sidebar shows service status categories: Summary, Out of Service (highlighted in red), Special Service (highlighted in yellow), Normal (highlighted in green), and Sample Address:Car A. The main area is titled 'All Banks' and includes a 'Select Banks to View' section with buttons for 'All', 'Out of Service', 'Special Service', and 'In Service'. Below this, a 'Selected Banks' list shows 'Sample ESI Car A' with a 'PH' indicator and a green dot labeled 'Automatic'. A red box labeled '1' highlights this bank entry. To the right, a secondary window titled 'EMIS-100 - Sample Address' is open, showing a table with columns for 'Floor', 'Front Calls', and 'Car A'. The table lists floors from Penthouse to 1, and a 'Lobby' row. A red box labeled '2' highlights the window title bar. The 'Lobby' row shows a green dot labeled 'Automatic' under the 'Car A' column.

Floor	Front Calls	PH Car A
Penthouse		
4		
3		
2		
1		
Lobby		Automatic

1) Double click on the specific bank to open the all floors and controls menu.

2) This menu will show the user the position of the car as well as allow them to input controls.

All Banks Control Menu

Following feature is only available if enabled by ESI

The screenshot displays the EMIS-100 Master interface. On the left, a 'Summary' panel shows service status: 'Out of Service' (red), 'Special Service' (yellow), and 'Normal' (green). Below this, 'Sample Address: Car A' is selected. The main window has a menu bar with 'All Banks', 'Reports', 'Security', 'Car Details', 'Controller Flags', 'Dispatcher', 'Parameters', 'EventLog', 'Job Information', and 'Floor Heights'. A 'Select Banks to View' panel includes 'All', 'Out of Service', 'Special Service', and 'In Ser'. The 'Selected Banks' section shows 'Sample ESI Car A' with a 'PH' indicator and an 'Automatic' button. A 'Sample Address: Car A' window is open, showing a table of floors and front calls. A right-click context menu is visible over the '1' floor, listing options: 'Front Car Call', 'Front Up Corridor Call', 'Front Down Corridor Call', 'Car to Lobby', and 'Independent'. Red callouts 1 through 2e point to these elements.

Floor	Front Calls
Penthouse	
4	
3	
2	
1	
Lobby	

Sample Address:Car A Floor: 1	
<input type="radio"/>	Front Car Call
<input checked="" type="radio"/>	Front Up Corridor Call
<input type="radio"/>	Front Down Corridor Call
	Car to Lobby
	Independent

1) Right click on a specific floor. A new menu will appear.

2) This menu will allow the user to input the following commands:

2a. Front Car Call: Places a car call at a specific floor.

2b. Front Up Corridor Call: Places an up call at a specific floor.

2c. Front Down Corridor Call: Places an down call at a specific floor.

2d. Car to Lobby: Places a special call that will send the car to the specified lobby floor.

2e. Independent: Puts the car in independent service mode; Press "Independent" again to put the car in normal operation.

Reports

EMIS-100 - Master
File Tools Help

Summary
Out of Service
Special Service
Normal
Sample Address: Car A

All Banks Reports Security Car Details Controller Flags Dispatcher Parameters EventLog Job Information Floor Heights

Select Bank: Sample Address Start Date: 8/9/2021 Interval: Day
Print Update

Car Status Log
Car A (20 items)
Car B (20 items)
Car C (20 items)
Car D (20 items)
Car E (20 items)
Car F (20 items)
Car G (20 items)
Car H (20 items)
Car I (20 items)
Car J (20 items)

Wait Time and Call Volume
Average Wait Time 13 Seconds
Calls/Hour
Percentage Calls per Duration

Service Histogram

Car Statistics
Car A Car B Car C Car D
State 1 State 2 State 3 State 4 State 5

Corridor Wait Details

Floor	Total Calls	Front Up	Front Dn	Rear Up	Rear Dn	Average Wait
40	0	0	0	0	0	0.00
39	0	0	0	0	0	0.00
38	0	0	0	0	0	0.00
37	0	0	0	0	0	0.00
36	0	0	0	0	0	0.00
35	0	0	0	0	0	0.00
34	0	0	0	0	0	0.00
33	0	0	0	0	0	0.00
--	-	-	-	-	-	---

1) Generate report from selected bank.

2) Changes the start date of the report.

3) Changes intervals for the graph.

4) Press update to produce the report

Reports Continued

EMIS-100 - Master

File Tools Help

Summary

All Banks Reports Security Car Details Controller Flags Dispatcher Parameters EventLog Job Information Floor Heights

Select Bank Sam [dropdown] Start Date 8/12/2021 [calendar] Interval Day [dropdown] Print Update

Sample Address - August 12

Car Status Log

Time	Status	Detail
08/12 11:14	Automatic	Ok
08/12 11:15	Automatic	Ok

Wait Time and Call Volume

Service Histogram

Car Statistics

Car A

Normal 100%

Corridor Wait Details

Floor	Total Calls	Front Up	Front Dn	Rear Up	Rear Dn	Average Wait
Penthouse	1	0	1	0	0	61.54
4	1	0	1	0	0	100.48
3	1	1	0	0	0	33.70
2	1	1	0	0	0	3.33
1	1	0	1	0	0	129.17
Lobby	0	0	0	0	0	
Summary	5	2	3	0	0	65.64

1) Prints a copy of the generated report.

2) Displays all the event logs from the controller.

3) Displays the car's states in a pie chart.

4) Displays all hall calls from the user selected start date. Additionally, shows the time it takes for the car to arrive at each landing.

5) Displays the information from '4' in a graphical form. Additionally, shows the percentage of calls from the user selected start date

Security

Following feature is only available if enabled by ESI

Security options of the selected bank

Floor	Front Car		Front Hall
	Unlock	Deny	Deny
PH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Restore Save c:\EMIS-100\Configuration\Security\ES1 - DUPLEX\Default.cfg

Active Security Settings ✓

Activate

1) Right click on a the security tab. This allows the user to create and modify new security configurations.

Rename: Change the name of the selected configuration.

Delete: Delete selected configuration.

New: Create a new configuration.

2) Displays which floors have key lockouts.

3) Allows the user to enable car calls for each specific floor.

4) Allows the user to disable car calls for each specific floor.

5) Allows the user to enable or disable hall calls for each specific floor.

6) Allows the user to save a configuration changes to the active security tab.

7) Allows the user to revert changes of the active tab to the configuration it was before the last save.

8) Enables the active security tab. Send enabled/denied car/hall calls of that security tab to the controller.

NOTE:

**The Following Pages are to be used
in Collaboration with ESI Technical
Support**

Car Details

View Only Page

For use in Collaboration with ESI Technical Support

This Page is used for Troubleshooting

EMIS-100 - Master

File Tools Help

Summary

Out of Service

Special Service

Normal

Sample Address: Car A

All Banks Reports Security **1** Car Details Controller Flags Dispatcher Parameters EventLog Job Information Floor Heights

Select Bank Sample Address **2**

Car A

Message Type	0x0125	V125
Car Id	A	Car A
Position	5	Penthouse
Operating Mode	1	Normal: Automatic
Inspection State	4	Normal (No Inspection)
Car State	1	Ok
Car Flags	0x0279	#Control Power On Backup Power On Generator Power Automatic/Normal #Salties #In Car Stop Switch Door Zone Pit Flood Motor Thermal Overload In Group Swing Car Sabbath Service Overweight Heavy 0x4000 0x8000
Door Flags	0x6061	#Open Limit Front 3 #Close Limit Front Edge Front Opening Front Closing Front Gate Switch Front 3 Door Lock Front 3 0x0080 #Open Limit Rear #Close Limit Rear Edge Rear Opening Rear Closing Rear Gate Switch Rear Door Lock Rear 0x8000

1) Car details of the selected bank.

2) Displays all of the controller's information regarding the selected car.

Blue: active

Black: not active

3) Example:

The doors are closed, the gate switch, and door locks are made up.

Controller Flags

View Only Page

For use in Collaboration with ESI Technical Support

EMIS-100 - Master

File Tools Help

All Banks Reports Security Car Details **1** Controller Flags Dispatcher Parameters EventLog Job Information Floor Heights **2**

Select Bank **1** Sample Address Select Car **2** Car A

CP	OL	ASH	DDO	CPR
OP	DCL	AFR	DUO	OPR
GP	ZX	SHD	DDS	ROL
DO	OX	FL	UUS	DLR
UO	CX	PFR	PFR	ROP
DS	FOP	FA	FA	OXR
DR	PARK1	FZ	FZ	CXR
US	OS	BY	BY	DOR
UR	CC	EMT	EMT	UOR
CSD	IND	EMTC	EMTC	

3

1) Controller flags of the selected bank.

2) Controller flags of the selected car.

3) Displays all the controller's flags regarding the selected car.

Blue: active

Black: not active

Dispatcher

View Only Page

Only applicable if dispatcher controller exists

EMIS-100 - Master

File Tools Help

All Banks Reports Security **1** Car Details Controller Flags Dispatcher Parameters EventLog Job Information Floor Heights

Summary

Out of Service

Special Service

Normal

Sample Address: Car A

Select Bank Sample Address

Normal Power

tEM1

EMALLPK

empk_car 0

emselected_car 0

Car A	Car B	Car C	Car D
Zone: 0	Zone: 0	Zone: 0	Zone: 0
Floor:	Floor:	Floor:	Floor:
DFX	DFX	DFX	DFX
OS	OS	OS	OS
UZ	UZ	UZ	UZ
DZ	DZ	DZ	DZ
ETA: 0	ETA: 0	ETA: 0	ETA: 0
PD: 0	PD: 0	PD: 0	PD: 0

Z1	Z2	Z3	Z4
Status: 0	Status: 0	Status: 0	Status: 0
Zone: 0	Zone: 0	Zone: 0	Zone: 0
Floor: Disabled	Floor: Disabled	Floor: Disabled	Floor: Disabled
Delay: 0	Delay: 0	Delay: 0	Delay: 0

2

1) Parameters of the selected bank.

2) Displays all cars and their statuses in selected dispatcher group.

Parameters

For use in collaboration with ESI technical support

EMIS-100 - Master
File Tools Help

Summary
Out of Service
Special Service
Normal
Sample Address: Car A

All Banks Reports Security Car Details Controller Flags Dispatcher Parameters EventLog Job Information Floor Heights

Select Bank: Sample Address Select Car: Car A Save Parameters

#	Description	Value	Units	Min	Max
1	Top Floor	10		1	32
2	Bottom Floor	1		1	32
3	Selector Type	1		1	7
4	Controller Type	1		1	4
5	Door Type	1		1	4
6	Dir Lt Outputs	0		0	1
7	Key Sw In Car	0		0	11
8	Car #	1		1	4
9	#of I/O Cards	2		1	6
10	'B' Car2 Top Floor	2		1	48
11	'B' Car2 Bottom Flr	1		1	48
12	MOTOR TOL Enable	0		0	1
14	Rope Gripper Enable	0		0	2
15	Misc IO Functions	0		0	255
16	Attendant Enable	0		0	5
17	Vector Stop Seq	0		0	1
19	Config ChkSum	0		0	65535
20	Para Write Enable	0		0	50
21	Operation	1		1	4

Displays all of the controller's parameters regarding the selected car

Double click any parameter to open this window

Change Parameter

Parameter: 21 — Operation **LOCKED**

New Value:

Current Value: 1
Minimum: 1
Maximum: 4

Cancel Save

User is able to change controller's parameters via this interface

WARNING:
DO NOT ATTEMPT TO
CHANGE ANY PARAMETER
WITHOUT ESI TECH SUPPORT

Event Log

View Only Page

For use in collaboration with ESI technical support

EMIS-100 - Master

File Tools Help

Summary	All Banks	Reports	Security	Car Details	Controller Flags	Dispatcher	Parameters	EventLog	Job Information	Floor Heights
Out of Service	Select Bank			Sample Address	Select Car		Car A			
Special Service	Event Time			Code	Floor	Description				
Normal	2001/05/26 06:36:48			4	2	Normal Automatic				
Sample Address:Car A	2001/05/26 06:36:27			8	2	Independent Service				
	2001/05/26 06:36:25			4	3	Normal Automatic				
	2001/05/26 05:47:09			4	7	Normal Automatic				
	2001/05/26 05:47:04			1	7	Power On				
	2001/05/13 08:51:00			4	4	Normal Automatic				
	2001/05/13 08:50:59			3	4	On to Inspection				
	2001/05/13 08:50:59			4	4	Normal Automatic				
	2001/05/13 08:50:55			1	4	Power On				
	2001/05/06 08:14:59			4	4	Normal Automatic				
	2001/05/06 08:14:55			1	4	Power On				
	2001/05/05 03:42:45			4	1	Normal Automatic				
	2001/05/05 03:42:45			87	1	OS Car to LBY				
	2001/05/05 03:42:11			4	7	Normal Automatic				
	2001/05/05 03:42:08			8	7	Independent Service				
	2001/05/05 03:40:35			1	1	Power On				

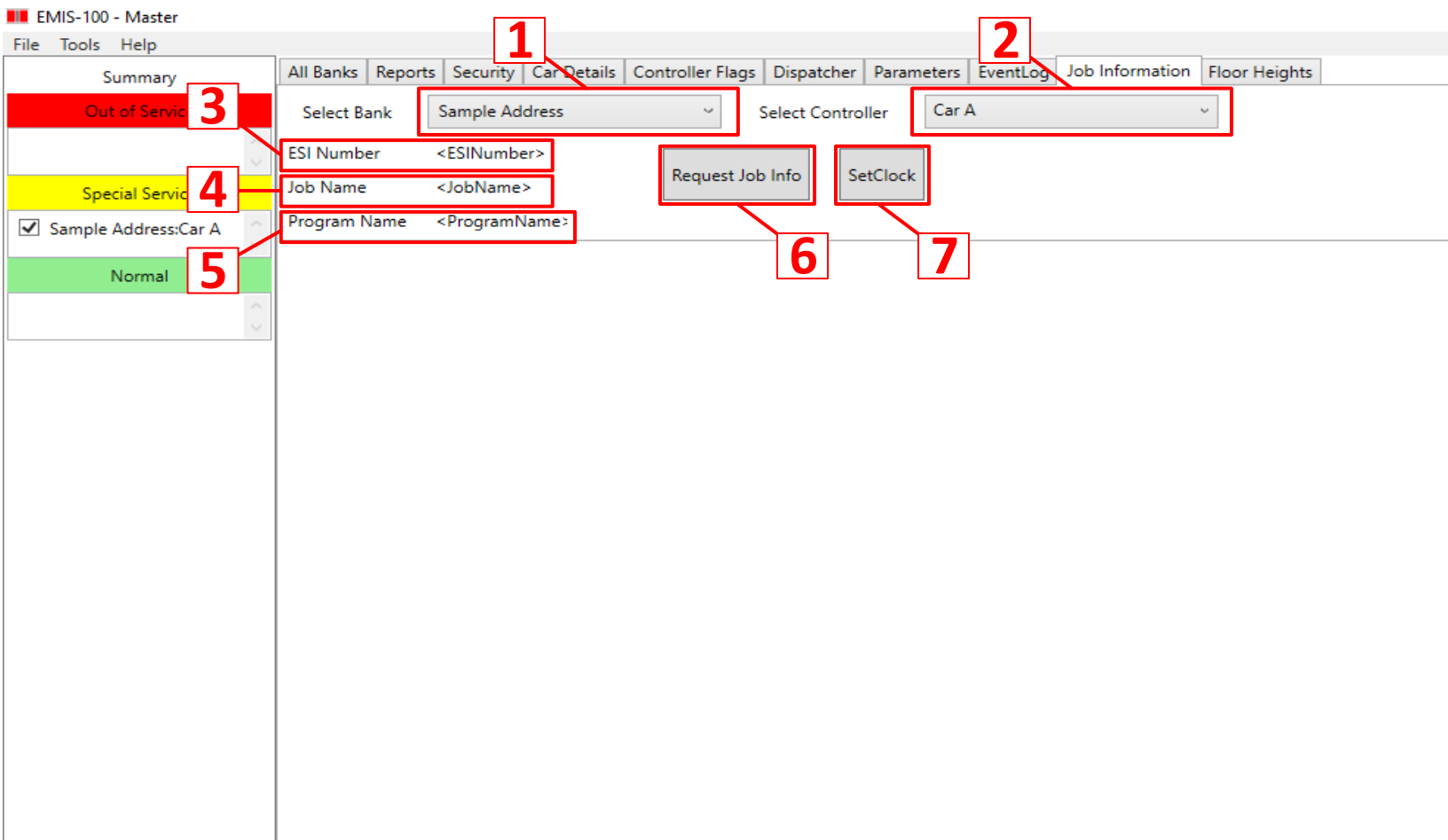
1) Event log of the selected bank.

2) Event log of the selected car.

3) Displays all of the controller's event logs regarding the selected car.

Job Information

For use in collaboration with ESI technical support



1) Job information of the selected bank.

2) Job information of the selected car.

3) Displays the ESI number of the car.

4) Displays the Job name of the car.

5) Displays the program version of the car.

6) Retrieves the ESI number, Job Name, and Program Name from the controller.

7) Sets the clock on the controller to the time on the EMIS PC.

Floor Heights

For use in collaboration with ESI technical support

EMIS-100 - Master

File Tools Help

All Banks Reports Security **1** Car Details Controller Flags Dispatcher Parameters EventLog Job Information Floor Heights

Select Bank **Sample Address** Select Car **2** Car A

Request Floor Heights Save Floor Heights

Inch: 500
Counterweight: 0

6:	360,000
5:	300,000
4:	240,000
3:	180,000
2:	120,000
1:	60,000

Summary

Out of Service

Special Service

Normal

Sample Address: Car A

1) Floor Heights of the selected bank.

2) Floor Heights of the selected car.

Misc.

1) If the EMIS PC signs out:

-Please contact authorized individual to sign back in.

2) If the EMIS goes to sleep mode

-Move mouse to wake up PC

-To disable sleep function:

Control Panel → Power Options → Choose when to turn off the display → Set all options to “Never”