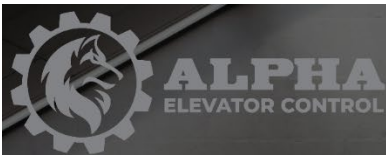


Revision 0.2



STOCK CONTROLLER QUICKSTART GUIDE

ALPHA ELEVATOR CONTROLLER, INC

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PRE-CHECK REQUIREMENT



BEFORE POWERING UP THE CONTROLLER, VERIFY THE JOB MAIN LINE VOLTAGE MATCHES THE STOCK CONTROLLER DRAWING

- **Stock Controller: Label & Drawing Release document must be filled out and verified by Alpha Elevator Control before installation of stock controller. If the controller is installed prior to Alpha Elevator Control's approval, all warranty will be voided and the customer will assume all liability.**
- **Each stock controller is set up with a maximum HP and current rating along with a specific door operator. Verify the controller drawing matches the job specifications.**

Sales:

For Stock Controller: Engineering Data Forms and Label & Drawing Release documents, please contact our sales department.

Phone Number: 916-957-5900 EXT. 3
Email: sales@alphaelevatocontrol.com
Office Address: 6711 Power Inn Rd. Suite B
Sacramento CA, 95828

Technical Support:

For technical assistance on an Alpha elevator controller, please contact our technical support department or head to our website for training videos.

Phone Number: 916-957-5900 EXT. 1
Email: support@alphaelevatocontrol.com
Office Address: 6711 Power Inn Rd. Suite B
Sacramento CA, 95828

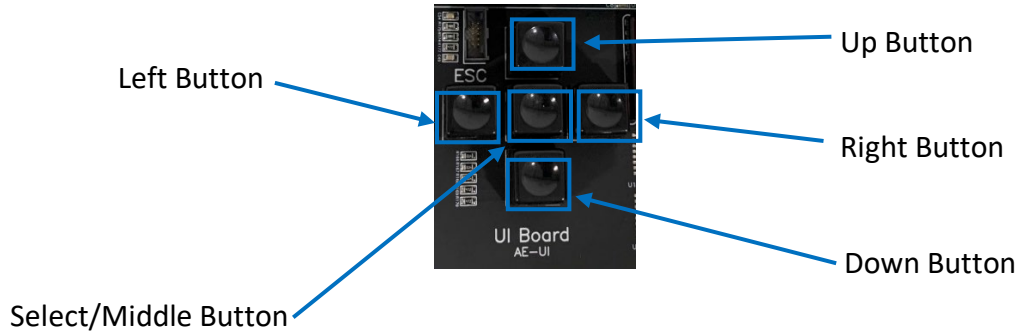


After reviewing this document for general setup, refer to Alpha Equipment Installation Manual for full installation of an Alpha Elevator Control.

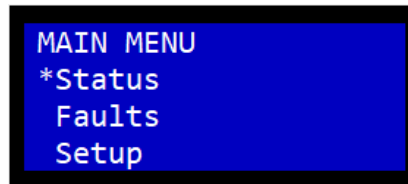
NAVIGATING THE UI LCD SCREEN



To access the different menus on the UI board, use the buttons to move between screens.



From the home screen, press the right button to get to the MAIN MENU.



Once in the main menu, use the up or down buttons to move the * to get to the desired menu and press either the middle button or the right button. Either method of selection will result in displaying the options available within the selected menu.

MENU TREE:

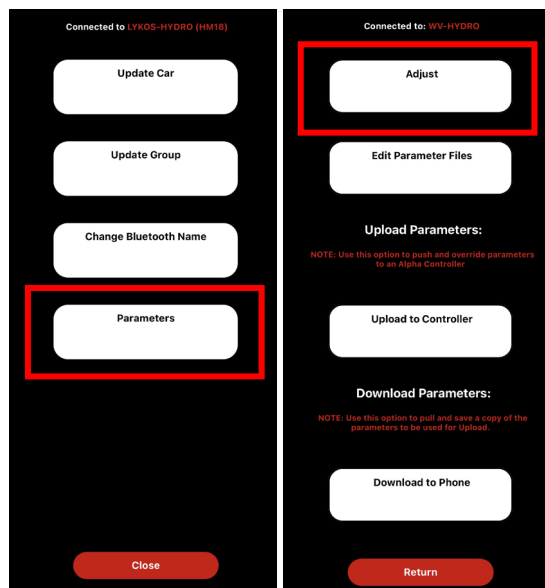
MAIN MENU	STATUS	
	FAULTS	ACTIVE
		LOGGED
		CLEAR LOG
	SETUP	GENERAL SETUP
		SLOWDOWNS AND STOPS
		FLOOR LEVELS
		DOOR SETUP
		FIRE SETUP
		TIMERS
		PARKING
		INSPECTION/ACCESS
		REAL-TIME CLOCK
		SECURITY
		INPUTS
		OUTPUT
		CALLS
		CAN & SERIAL PORTS
	TEST & TROUBLESHOOT	FACTORY RESET
		ENTER CAR CALLS
		ADJUST PARAMETERS
		TEST HALL BOARDS
		VIEW CN MESSAGES
	ABOUT	SOFTWARE VERSIONS

CONTROLLER CONFIGURATION VIA ALPHA+ APP



Stock controllers are shipped without job specific information. Follow the steps below to set up the stock controller to the job specifications. The stock controller drawing is provided to assist you toward running the elevator on normal operation. Once the Stock Controller: Label & Drawing Release form has been completed and verified, job specific drawings will be sent.

- 1) Download the ALPHA+ App onto the mobile phone, refer to the “ALPHA+ PHONE APP GUIDE” document on downloading the app.
- 2) Open the APP, connect to the stock controller and click the “Parameters” button. Then click the “Adjust” button.



3) Fill in the field to be the job specific information:

contract speed, number of floors, cars in group (only required to be set if it is a group setup), *car ID* (only required to be set if it is a group setup), *# of PI Characters*, and *enable rear doors* if rear doors are applicable (if the enable rear door is grayed out than it is disable, if it is red it is enabled. Once done filling out the field, click the “PI Labels and Opening” button.

4) Enable the opening for the floors. If the button below is gray it is disabled. If the button is red it is enabled. Fill in the field for PIs to the job specific PIs. Than click the “Other Params” button.

5) Fill in the field to be the job specific information:

designated level, alternate level, access top, set the front door type, rear door type (set to no doors if not applicable), safety code year, and enable virtual TSRD (if not using mechanical TSRD). Than set the TSRD distance, default is a value of 153. Than click the “return” button. This will take it back to the first screen in step #3, than click the “update” button. Follow steps 6-9 to finish programming the inputs/outputs through the controller.

NAVIGATION: GO TO MAIN MENU → SETUP → CALLS →



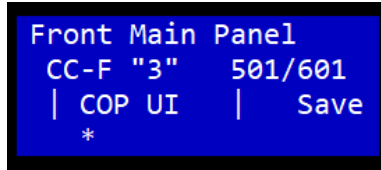
When assigning a car call input, the corresponding output will be automatically programmed. For example, when a car call ‘front 1’ input is programmed on 501 on the COP, the car call ‘front 1’ output will automatically be assigned to 601 on the COP.

- 6) To program the front car call inputs, go to **MAIN MENU → SETUP → CALLS → FRONT SIDE → ON FRONT MAIN PANEL**,
- The asterisk will be underneath the first line, scroll up or down until you get to a floor that has not been assigned yet.

```
Front Main Panel
CC-F "1"    501/601
| COP UI   |
*
```

```
Front Main Panel
CC-F "3"
| (unassigned)
*
```

- Click the right button once, and scroll up until the screen shows COP UI.



- c. Click the right button twice, and scroll up to the next available input that is not being used (use tables below to see examples of recommended input locations). After selecting the desired input, move the asterisk underneath the word SAVE and press the middle button. Repeat steps 13a-c until all inputs have been programmed for all front car calls located on the COP panel.

Recommended Car Calls Placement:

FRONT OPEN ONLY

	Inputs
Car Call Front 1	501
Car Call Front 2	502
Car Call Front 3	503
Car Call Front 4	504
Car Call Front 5	505
Car Call Front 6	506

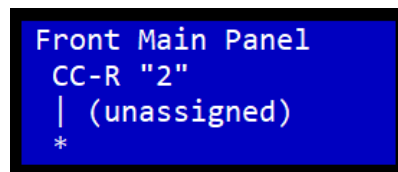
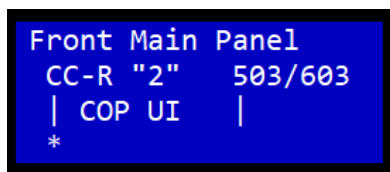
FRONT & REAR OPEN

	Inputs
Car Call Front 1	501
Car Call Front 2	502
Car Call Rear 2	503
Car Call Front 3	504
Car Call Rear 3	505
Car Call Front 4	506
Car Call Front 5	507
Car Call Front 6	508

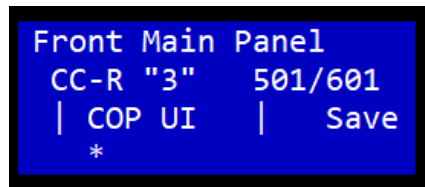
- 7) Use the table below to keep track of the car call assigned inputs versus unassigned inputs, so that different car calls are not assigned on the same input.

COP INPUTS	Front/Rear	Landing #
501		Car Call
502		Car Call
503		Car Call
504		Car Call
505		Car Call
506		Car Call
507		Car Call
508		Car Call

- 8) To program the rear car call inputs (if applicable), go to **MAIN MENU → SETUP → CALLS → REAR SIDE → ON FRONT MAIN PANEL**,
- a. The asterisk will be underneath the fire line, scroll up or down until you get to a floor that has not been assigned yet.



- b. Click the right button once, and scroll up until the screen shows COP UI.



- c. Click the right button twice, and scroll up to the next available input that is not being used (use tables in step #6 to see examples of recommended input locations). After selecting the desired input, move the asterisk underneath the word SAVE and press the middle button. Repeat steps 13a-c until all inputs have been programmed for all rear car calls located on the COP panel.

CONTROLLER CONFIGURATION VIA CONTROLLER



Stock controllers are shipped without job specific information. Follow the steps below to set up the stock controller to the job specifications. The stock controller drawing is provided to assist you toward running the elevator on normal operation. Once the Stock Controller: Label & Drawing Release form has been completed and verified, job specific drawings will be sent.

NAVIGATION: GO TO MAIN MENU → SETUP → [GENERAL SETUP](#) →

- 1) Scroll to the [CONTRACT SPEED](#) menu setting and set the contract speed to the elevator contract speed.
- 2) Scroll to the [NUMBER OF FLOORS](#) menu setting and set the number of floors to the number of landings the elevators services.
- 3) Scroll to the [REAR DOORS](#) menu setting and set the setting to **TRUE** if the elevator has rear doors.
- 4) Scroll to the [PI LABELS](#) menu setting and set the [NUMBER OF DIGITS](#) to the max number of digits the PI has, and change the desired PI labels for each landing in the menu setting [EDIT LABELS](#).
- 5) Scroll to the [OPENINGS](#) menu setting, in the [FRONT](#) menu setting, set the setting to **TRUE** for each of the landings with a front opening. In the [REAR](#) menu setting, set the setting to **TRUE** for each of the landings with a rear opening.

NAVIGATION: GO TO MAIN MENU → SETUP → [FIRE SETUP](#) →

- 6) Scroll to the [SAFETY CODE](#) menu setting, set the safety code to the code that the elevator will be inspected under (options listed in the table below):

California Group 2
California Group 3
California Group 4
NYC Appendix K (2008)
ASME A17.1-2000
ASME A17.1a-2002
ASME A17.1b-2003
ASME A17.1-2004
ASME A17.1a-2005

ASME A17.1S-2005
A17.1-2007/B44-07
A17.1a/B44a-2008
A17.1b/B44b-2009
A17.1-2010/B44-10
A17.1-2013/B44-13
A17.1-2016/B44-16
A17.1-2019/B44-19

- 7) Scroll to the **DESIGNATED LEVEL** menu setting, set the **FLOOR** to the desired designated fire floor. If the designated level is a rear opening, set the **OPEN REAR DOOR** menu setting to **TRUE**.
- 8) Scroll to the **ALTERNATE LEVEL** menu setting, set the **FLOOR** to the desired alternate fire floor. If the alternate level is a rear opening, set the **OPEN REAR DOOR** menu setting to **TRUE**.

NAVIGATION: GO TO MAIN MENU → SETUP → INSPECTION/ACCESS →

- 9) Scroll to the **ACCESS TOP** menu setting, set the **FLOOR** to the floor with the top access key switch. If the top access key switch is located on a rear opening, set the menu setting **KEY AT REAR DOOR** to **TRUE**.
- 10) Scroll to the **ACCESS BOTTOM** menu setting, set the **FLOOR** to the floor with the bottom access key switch. If the bottom access key switch is located on a rear opening, set the menu setting **KEY AT REAR DOOR** to **TRUE**.

NAVIGATION: GO TO MAIN MENU → SETUP → CALLS →



When assigning a car call input, the corresponding output will be automatically programmed. For example, when a car call 'front 1' input is programmed on 501 on the COP, the car call 'front 1' output will automatically be assigned to 601 on the COP.

- 11) To program the front car call inputs, go to **MAIN MENU → SETUP → CALLS → FRONT SIDE → ON FRONT MAIN PANEL,**

- a. The asterisk will be underneath the first line, scroll up or down until you get to a floor that has not been assigned yet.

```
Front Main Panel
CC-F "1"    501/601
| COP UI   |
*
```

```
Front Main Panel
CC-F "3"
| (unassigned)
*
```

- b. Click the right button once, and scroll up until the screen shows COP UI.

```
Front Main Panel
CC-F "3"    501/601
| COP UI   |   Save
*
```

- c. Click the right button twice, and scroll up to the next available input that is not being used (use tables below to see examples of recommended input locations). After selecting the desired input, move the asterisk underneath the word SAVE and press the middle button. Repeat steps 13a-c until all inputs have been programmed for all front car calls located on the COP panel.

Recommended Car Calls Placement:

FRONT OPEN ONLY

	Inputs
Car Call Front 1	501
Car Call Front 2	502
Car Call Front 3	503
Car Call Front 4	504
Car Call Front 5	505
Car Call Front 6	506

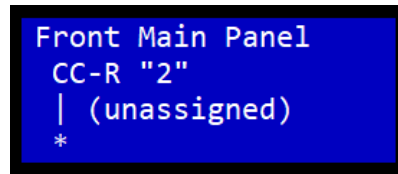
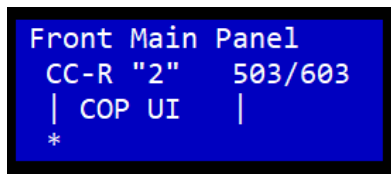
FRONT & REAR OPEN

	Inputs
Car Call Front 1	501
Car Call Front 2	502
Car Call Rear 2	503
Car Call Front 3	504
Car Call Rear 3	505
Car Call Front 4	506
Car Call Front 5	507
Car Call Front 6	508

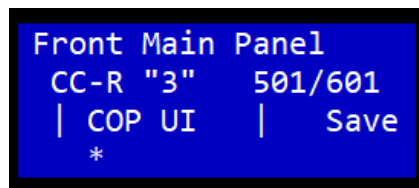
- 12) Use the table below to keep track of the car call assigned inputs versus unassigned inputs, so that different car calls are not assigned on the same input.

COP INPUTS	Front/Rear	Landing #
501		Car Call
502		Car Call
503		Car Call
504		Car Call
505		Car Call
506		Car Call
507		Car Call
508		Car Call

- 13) To program the rear car call inputs (if applicable), go to **MAIN MENU** → **SETUP** → **CALLS** → **REAR SIDE** → **ON FRONT MAIN PANEL**,
- The asterisk will be underneath the fire line, scroll up or down until you get to a floor that has not been assigned yet.



- Click the right button once, and scroll up until the screen shows COP UI.



- Click the right button twice, and scroll up to the next available input that is not being used (use tables in step 11 to see examples of recommended input locations). After selecting the desired input, move the asterisk underneath the

word SAVE and press the middle button. Repeat steps 13a-c until all inputs have been programmed for all rear car calls located on the COP panel.

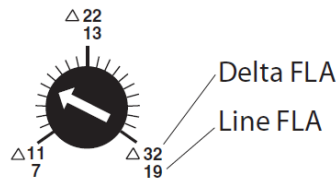
SOFT STARTER CONFIGURATION

SIEMENS STARTER:

- 1) Scroll to the PARAMETER MENU of the soft starter and press the right arrow button.
- 2) Scroll to the OVERLOAD AMPS menu, and press the right arrow button. Adjust the value to match the motor FLA on the motor nameplate.
- 3) Press the left-arrow button and then press the up-arrow button to accept the value.

S&S STARTER:

- 1) Set the OVLD SETTING (blue dial) on the soft starter to approximately match the motor FLA on the motor nameplate. Take a flat head and adjust the dial until the arrow points close to the FLA value on the motor nameplate.



GENERAL SETUP OF STOCK CONTROLLER IS DONE. REFER TO THE EQUIPMENT INSTALLATION MANUAL TO RUN ON CONSTRUCTION MODE.

- Stock controllers require programming inputs/outputs for job specific applications in the field, refer to the “programming inputs/outputs” section in the equipment installation manual.
- Stock controllers require setting dip switches for hall boards for job specific applications in the field, refer to the “hall board” section in the equipment installation manual.