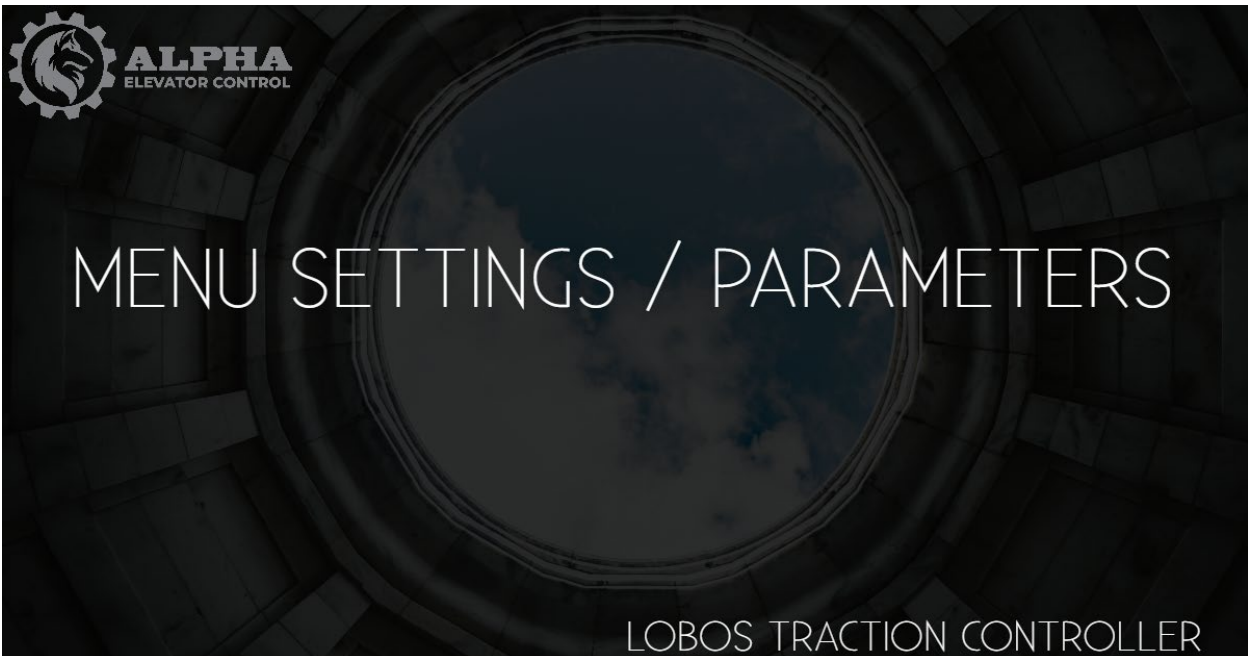


Revision 0.1



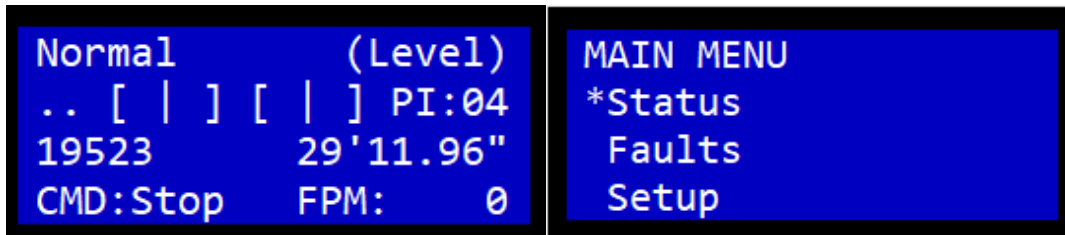
ALPHA ELEVATOR CONTROLLER, INC
6711 POWER INN RD, SUITE B
SACRAMENTO, CA 95828
TEL: (916) 957-5900

TABLE OF CONTENTS

NAVIGATING THE LCD SCREEN	1
MAIN MENU TREE	2
SETUP MENU DEFAULT VALUES/DESCRIPTION	3

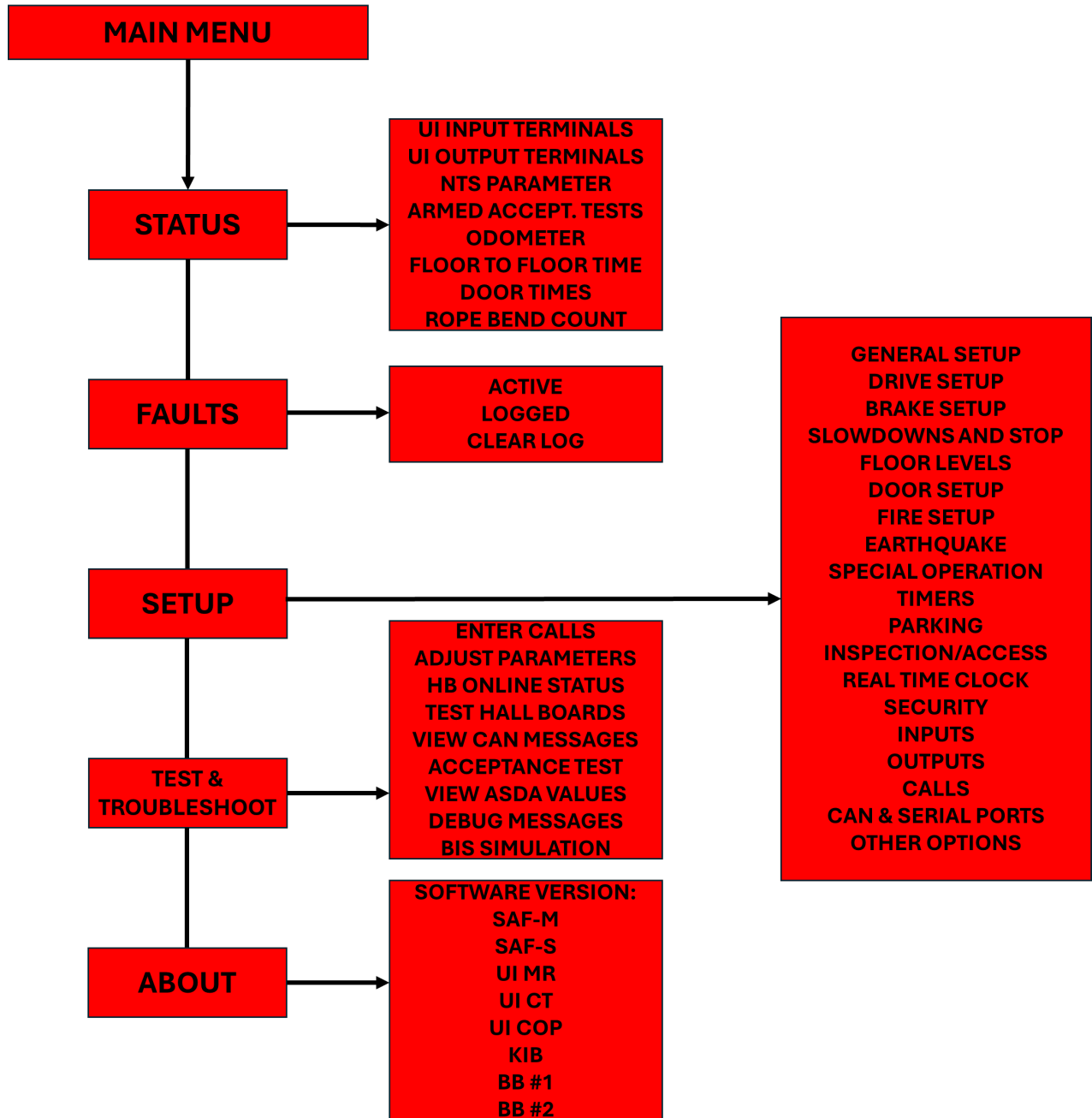
NAVIGATING THE LCD SCREEN

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.

MAIN MENU TREE



SETUP MENU DEFAULT VALUES/DESCRIPTION

NAVIGATION: MAIN MENU → SETUP → GENERAL SETUP →

CAR SPEEDS

CONTRACT SPEED

Default Setting	00000
Description	The actual contract speed of the car in feet per minute.

INSPECTION SPEED

Default Setting	00000
Description	Set to the desired inspection speed of the car in feet per minute.

LEVELING SPEED

Default Setting	00010
Description	Set to the desired leveling speed of the car in feet per minute.

RELEVEL SPEED

Default Setting	00008
Description	Set to the desired releveling speed of the car in feet per minute.

NUMBER OF FLOORS

Default Setting	002
Description	This is the number of landing zones at which the car can stop in the hoistway.

REAR DOORS

Default Setting	FALSE
Description	If this car has front and rear doors, set this value to TRUE.

PI LABELS

NUMBER OF DIGITS

Default Setting	002
Description	Specifies the maximum number of characters the position indicators can display. Alpha controllers support displays with 1 to 3 characters.

EDIT LABELS

Default Setting	"1", "2", "3", etc.
Description	This allows you to specify an alphanumeric label to display on the position indicator when the car is at a particular floor.

OPENINGS	
FRONT/REAR	
Default Setting	FALSE
Description	For Front, set the floor with front openings to TRUE. For Rear, set the floor with rear openings to TRUE.

OPERATIONS	
Default Setting	SELECTIVE COLLECTIVE
Description	Specifies the hall call operation mode: <u>Selective Collective</u> Each hall station has an up and down button. <u>Nonselective Collective</u> Each hall station only has one button. Button must be wired to the down signal. <u>Single Automatic</u> Each hall station only has one button. This only allows one call to be latched at a time. Button must be wired to the down signal.

IS MRL	
Default Setting	FALSE
Description	Set to TRUE if controller is a 2 enclosure MRL controller.

GROUP SETTINGS	
NUMBER OF CARS IN GROUP	
Default Setting	000 (IF SET TO 0, THIS ELEVATOR IS A SIMPLEX CAR)
Description	Specifies the total number of cars in the group.
CAR ID	
Default Setting	000 (IF SET TO 0, THIS ELEVATOR IS A SIMPLEX CAR)
Description	Specifies the car's numeric identifier in the group.
FLOOR TRANSLATIONS	
▾ ENABLE TABLE	
Default Setting	FALSE
Description	Floor Translation is used in group situations when the cars in the group have offset floors. This setting is to be set to FALSE if the only offset floor is the TOP FLOOR.
▾ TRANSLATION TABLE	
Default Setting	N/A
Description	Assigns a group-wide floor number to each floor served by the car.
PREFERRED CAR	
Default Setting	FALSE

Description	Allows specific cars in a group to take a majority of the hall call. Setting the specific car(s) to TRUE, tells the group's dispatch algorithm that if multiple cars are equally situated to answer a hall call, try to give it to a Preferred Car.
EMERGENCY POWER MAX CARS	
Default Setting	000 (IF SET TO 0, IT WILL ONLY ALLOW 1 CAR TO RUN ON GENERATOR)
Description	This parameter specifies how many cars in the group can be run simultaneously by the building's emergency power generator.

NAVIGATION: MAIN MENU → SETUP → DRIVE SETUP →

DRIVE MODEL	
Default Setting	MAGNETEK HPV900
Description	Set to the specific drive model being used on the controller. The options available for drive models are: "Magnetek HPV900" "KEB F5"

RIDE CONFIGURATION	
AUTOMATIC RUNS	
☷ RIDE TYPE	
Default Setting	STANDARD
Description	Set the desired ride quality of the elevator on normal operation (adjusting the profile changes the s-curve values). The options available for ride types are: Smooth acceleration/deceleration: 1.0 ft/s ² acceleration jerk in/deceleration jerk in: 2.0 ft/s ³ acceleration jerk out/deceleration jerk out: 2.0 ft/s ³ Standard acceleration/deceleration: 2.0 ft/s ² acceleration jerk in/deceleration jerk in: 4.0 ft/s ³ acceleration jerk out/deceleration jerk out: 2.0 ft/s ³ Aggressive acceleration/deceleration: 3.0 ft/s ² acceleration jerk in/deceleration jerk in: 8.0 ft/s ³ acceleration jerk out/deceleration jerk out: 4.0 ft/s ³ Custom Adjust the s-curve settings to your desired values

↘ CUSTOM S-CURVE	
Default Setting	ACCELERATION/DECELERATION: 2.0 FT/S2 ACCELERATION JERK IN/DECELERATION JERK IN: 4.0 FT/S3 ACCELERATION JERK OUT/DECELERATION JERK OU: 2.0 FT/S3
Description	When the CUSTOM setting is selected in the RIDE TYPE, the values in this setting will be used.
INSPECTION RUNS	
↘ RIDE TYPE	
Default Setting	STANDARD
Description	Set the desired ride quality of the elevator on inspection operation (adjusting the profile changes the s-curve values). The options available for ride types are: Smooth acceleration/deceleration: 1.0 ft/s2 / 4.0 ft/s2 acceleration jerk in/deceleration jerk in: 1.0 ft/s3 / 8.0 ft/s3 acceleration jerk out/deceleration jerk out: 1.0 ft/s3 / 8 ft/s3 Standard acceleration/deceleration: 2.0 ft/s2 / 6.0 ft/s2 acceleration jerk in/deceleration jerk in: 8.0 ft/s3 / 8 ft/s3 acceleration jerk out/deceleration jerk out: 8.0 ft/s3 / 8 ft/s3 Aggressive acceleration/deceleration: 4.0 ft/s2 / 7.8 ft/s2 acceleration jerk in/deceleration jerk in: 8.0 ft/s3 / 8 ft/s3 acceleration jerk out/deceleration jerk out: 8.0 ft/s3 / 8 ft/s3 Custom Adjust the s-curve settings to your desired values
↘ CUSTOM S-CURVE	
Default Setting	ACCELERATION/DECELERATION: 2.0 FT/S2 ACCELERATION JERK IN/DECELERATION JERK IN: 4.0 FT/S3 ACCELERATION JERK OUT/DECELERATION JERK OU: 2.0 FT/S3
Description	When the CUSTOM setting is selected in the RIDE TYPE, the values in this setting will be used.
FAST AUTO ADJUST	
Default Setting	FALSE
Description	If set to FALSE, uses our standard method of continually making small adjustments to the calculated slowdown point to achieve the desired Level Time specified by the user. It can take many runs for the controller to dial in the correct slowdown point since it can only make an incremental change after each run. If set to TRUE, it allows the controller to make large adjustments to the slowdown point for

	the first 3 runs after any parameter in the "Ride Configure" menu (or its sub-menus) is changed.
--	--

MOTOR STARTUP TIME

Default Setting	00.5S
Description	This parameter specifies how long to hold the car at zero speed before attempting to lift the brake(s). The Safety Board always waits until the drive indicates that it is in control of the motor (e.g., via a "Speed Regulator Release" or similar signal) but this parameter can force the Safety Board to extend this wait time.

MOTOR OFF TIME

Default Setting	00.5S
Description	This parameter specifies how long after the controller has dropped the run command to the drive, to drop the M contactor. This is to allow the current to drop before dropping the M contactor.

AUTO BATTERY RESCUE

ENABLE ABR

Default Setting	FALSE
Description	The "Enable ABR" parameter must be set to TRUE in order for the controller to perform the Auto Battery Rescue operation serially.

REVERSE MOTOR ROT.

Default Setting	FALSE
Description	This parameter must be set to true if the Magnetek drive parameter C1 Motor Rotation is set to REVERSE. That is because the drive will give the wrong recommended direction when motor rotation is reversed.

NAVIGATION: MAIN MENU → SETUP → BRAKE SETUP →

MAIN BRAKE	
TYPE	
Default Setting	BRAKE BOARD (DC)
Description	Set to the type of brake/brake component being used for the main brake. The options available for type of main brake are: "Brake Board (DC)" "AC Coil"
TIME TO LIFT	
Default Setting	00.5S
Description	This is how long the drive will hold the motor at zero speed at the start of a run before commanding the car to move. It is used to make sure the car does start to run under the main brake.
PICK TO HOLD	
Default Setting	01.0S
Description	Set the time to of how long to hold the PICK VOLTAGE on the brake coil before switching over to the HOLD VOLTAGE.
DELAY BEFORE DROP	
Default Setting	00.0S
Description	This can be used to add a delay before dropping the Main Brake at the end of a run. The timer starts after the command speed is set to zero and the detected FPM from the landing system drops to (approximately) zero.
TIME TO DROP	
Default Setting	02.7S
Description	This is how long the drive will hold the motor at zero speed at the end of a run before removing power from the motor. It is used to make sure the car does not roll back before the main brake is fully set.
PWM - PICK	
Default Setting	255
Description	This setting value is in PWM in which needs to be calculated or measured to get the desired PICK VOLTAGE of the brake coils. To calculate the PWM - PICK Value: $\left(\frac{\text{Rated Pick Voltage of Brake Coil}}{\frac{\text{Incoming Voltage of Brake Board} \times \sqrt{2}}{255}} \right) = \text{Pick PWM}$
PWM - HOLD	
Default Setting	255

Description	This setting value is in PWM in which needs to be calculated or measured to get the desired HOLD VOLTAGE of the brake coils. To calculate the PWM - HOLD Value: $\frac{\text{Rated Hold Voltage of Brake Coil}}{\left(\frac{\text{Incoming Voltage of Brake Board} \times \sqrt{2}}{255} \right)} = \text{Hold PWM}$
BRAKE PICK SWITCH	
☞ IS NORMALLY CLOSED	
Default Setting	TRUE
Description	Set to TRUE if the contact for the brake pick switch monitoring is normally closed.
☞ MONITOR SWITCH	
Default Setting	FALSE
Description	Set to TRUE to monitor the brake pick switch circuit.

EMERGENCY BRAKE	
TYPE	
Default Setting	NONE
Description	Set to the type of brake/brake component being used for the emergency brake. The options available for type of emergency brake are: "2nd Machine Brake" "Rope Gripper" "Sheave Clamp"
TIME TO LIFT	
Default Setting	00.5S
Description	This is how long the drive will hold the motor at zero speed at the start of a run before commanding the car to move. It is used to make sure the car does start to run under the emergency brake.
PICK TO HOLD	
Default Setting	01.0S
Description	Set the time to of how long to hold the PICK VOLTAGE on the brake coil before switching over to the HOLD VOLTAGE.
DELAY BEFORE DROP	
Default Setting	00.0S
Description	This can be used to add a delay before dropping the Emergency Brake at the end of a run. The timer starts after the command speed is set to zero and the detected FPM from the landing system drops to (approximately) zero.
TIME TO DROP	
Default Setting	02.7S

Description	This is how long the drive will hold the motor at zero speed at the end of a run before removing power from the motor. It is used to make sure the car does not roll back before the emergency brake is fully set.
PWM - PICK	
Default Setting	255
Description	This setting value is in PWM in which needs to be calculated or measured to get the desired PICK VOLTAGE of the brake coils. To calculate the PWM - PICK Value: $\frac{\text{Rated Pick Voltage of Brake Coil}}{\left(\frac{\text{Incoming Voltage of Brake Board} \times \sqrt{2}}{255} \right)} = \text{Pick PWM}$
PWM - HOLD	
Default Setting	255
Description	This setting value is in PWM in which needs to be calculated or measured to get the desired HOLD VOLTAGE of the brake coils. To calculate the PWM - HOLD Value: $\frac{\text{Rated Hold Voltage of Brake Coil}}{\left(\frac{\text{Incoming Voltage of Brake Board} \times \sqrt{2}}{255} \right)} = \text{Hold PWM}$
BRAKE PICK SWITCH	
☞ IS NORMALLY CLOSED	
Default Setting	TRUE
Description	Set to TRUE if the contact for the brake pick switch monitoring is normally closed.
☞ MONITOR SWITCH	
Default Setting	FALSE
Description	Set to TRUE to monitor the brake pick switch circuit.
DROP ON SAFETY STRING	
Default Setting	FALSE
Description	Set to TRUE to drop the emergency brake when the safety string circuit is opened.

NAVIGATION: MAIN MENU → SETUP → SLOWDOWNS AND STOPS →

LEVELING TIME

Default Setting	03.0S
Description	This is the “desired leveling time” that the user would like to achieve. The software will try to decelerate and reach leveling speed at a distance away from the floor such that the car will need to continue moving at leveling speed for the specified amount of time before reaching the floor. The controller keeps track of how long it actually leveled for and will fine tune the slowdown point until the “actual leveling time” matches this “desired leveling time”.

STOP (LEVELING)

Default Setting	010 (0.39IN)
Description	Specifies the distance from every floor at which the controller will change the car from leveling speed to zero speed in both direction.

STOP (RELEVELING)

Default Setting	000 (000 defaults to using STOP (LEVELING) parameter for STOP (RELEVELING))
Description	Specifies the distance from the selected floor at which the controller will change the car from releveling speed to zero speed in both direction.

ETS PARAMETERS

EST. STOPPING RATE

Default Setting	006.00FT/S2
Description	An estimation of how fast the car will decelerate when stopping under the brake. This parameter affects the slope of the ETS curve. When an ETS fault occurs, power will be removed from the motor and brake and the car will slide to a stop.

OFFSET BEYOND TERM

Default Setting	00051 (2.00IN)
Description	This parameter sets what distance away from the floor the car speed should be at zero speed after slowing down using the ETS curve. Increase the value if the elevator is tripping nuisance ETS on a regular run or during a NTS run.

NTS PARAMETERS

DECEL RATE

Default Setting	004.00FT/S2
Description	This parameter affects the slope of the NTS curve. This parameter setting must match the drive NTS setting of decal rate. Increase the value if the elevator is tripping nuisance NTS on a regular run.

JERK IN

Default Setting	000.00FT/S3
Description	The Jerk In parameter is by default to a value of zero which is used to signify an instantaneous transition to full NTS deceleration and thus effectively taking it out of the equation. In general, it controls how rounded the transition to is from either constants speed to Full NTS Decel Rate or from Normal Decel Rate to NTS Decel Rate.

JERK OUT

Default Setting	000.00FT/S3
Description	The Jerk Out parameter is by default to a value of zero which is used to signify an instantaneous transition to leveling speed and thus effectively taking it out of the equation. In general, it controls how rounded the transition is from Full NTS Decel Rate back to constant velocity (Leveling Speed).

MINIMUM TRIP SPEED

Default Setting	050
Description	This parameter is set to the speed of the car at which the controller will no longer trip NTS.

SCALING FACTOR

Default Setting	1.00
Description	This parameter affectively does the same thing as the Decel Rate parameter, it affects the slope of the NTS curve. The intent of this parameter is for you to be able to set the Decel Rate parameter and then use this parameter to fine tune the slope by a percentage. A value of 1 for this parameter means no scaling is applied to the slope.

OFFSET BEFORE TERM.

Default Setting	00026 (1.02IN)
Description	This parameter sets what distance away from the floor the car speed should be at zero speed after slowing down using the NTS curve. Decrease the value if the elevator is tripping nuisance NTS on a regular run.

VIRTUAL UNL SWITCH

Default Setting	051 (2.00IN)
Description	Distance of how far above the virtual up normal limit switch is from the top floor level. Also specifies how far above the top floor level the car is allowed to move up when on inspection.

VIRTUAL DNL SWITCH

Default Setting	051 (2.00IN)
Description	Distance of how far below the virtual down normal limit switch is from the bottom floor level. Also specifies how far below the bottom floor level the car is allowed to move down when on inspection.

NAVIGATION: MAIN MENU → SETUP → FLOOR LEVELS →

COARSE SET LEVEL

Default Setting	N/A
Description	Setting where the door zone is for each floor. This is only required during the learning the floor level process. Refer to the "Learning The Floor Levels" section of the equipment installation manual.

FINE TUNE LEVEL

Default Setting	N/A
Description	Adjusting floor level for specific floor that the car is currently at that is off level after valve/slowdown adjustments are finalized. Refer to the "Adjusting Floor Level" section of the equipment installation manual.

ADJUST ANY FLOOR

Default Setting	N/A
Description	Adjusting floor levels for desired floors that are off levels after valve/slowdown adjustments are finalized. Refer to the "Adjusting Floor Level" section of the equipment installation manual.

DEAD ZONE

Default Setting	013 (0.51IN)
Description	If the car is above/below the set distance from floor level, a relevel operation will initiate to bring it back to floor level. If a Dead Zone of less than 0.25 inches is specified, the controller will use 0.25 inches due to physical limitations.

RELEVELING

ENABLE RELEVELING

Default Setting	N/A
Description	Navigating to this screen will force releveling to be enabled. You only need to do this if releveling had been previously disabled using the Disable Releveling screen

DISABLE RELEVELING

Default Setting	N/A
Description	Navigating to this screen will disable releveling for 15 minutes. Releveling will automatically reenable after 15 minutes even if you stay on this screen.

DON'T LOG RELEVELS

Default Setting	FALSE
Description	Set this parameter to TRUE if you don't want relevel alarms to be stored in the fault log.

FRONT/REAR

DOOR TYPE

Default Setting	FRONT: PASSENGER (MOVFR) REAR: NO DOOR
Description	Specifies the class of door operator being used. The options available for Door Types are: "No Door" "Passenger (MOVFR)" "Freight (Courion)" "Passenger (Manual)" "Freight (Manual)" "Freight (Peelle)"

OPERATOR OPTIONS

☞ **DC ON ANY MOVE**

Default Setting	FALSE
Description	When set to TRUE, the controller will activate the Door Close (DC) output whenever the car is running.

☞ **DOL OVERRUN**

Default Setting	00.5s
Description	When opening the door, this parameter specifies how long to keep the Door Open (DO) output on after reaching the Door Open Limit (DOL).

☞ **DCL OVERRUN**

Default Setting	00.5s
Description	When closing the door, this parameter specifies how long to keep the Door Close (DC) output on after reaching the Door Close Limit (DCL).

☞ **REVERSAL DELAY**

Default Setting	00.0s
Description	If the car door is closing and suddenly needs to reopen or the door is opening and suddenly needs to close, this parameter allows a delay to be added between turning off one output and turning on the other. This might be required for some door operators to prevent wear and tear from a sudden direction reversal.

☞ **DO WHEN OPEN**

Default Setting	FALSE
Description	When set to TRUE, this parameter causes the Door Open (DO) output to remain on even after the doors have reached the fully open position.

☞ **DC WHEN CLOSED**

Default Setting	FALSE
Description	When set to TRUE, this parameter causes the Door Close (DC) output to remain on even after the doors have reached the fully closed position.
↘ CONTROL SIGNALS	
↘ FULL SPEED CLOSE	
Default Setting	DC ONLY
Description	This parameter allows you to specify which outputs are activated during full speed closing of the car door. The options available for Full Speed Close are: "DC ONLY" "DC + ND"
↘ NUDGE CLOSE	
Default Setting	DC + ND
Description	This parameter allows you to specify which outputs are activated during nudging of the car door. The options available for Nudge Close are: "DC + ND" "ND ONLY" "DC ONLY" "DC + DO"
DWELL OPTIONS	
↘ DWELL TIME CC	
Default Setting	05.0s
Description	Specifies how long the doors will stay open when the car initially arrives at the floor after a car call.
↘ DWELL TIME HC	
Default Setting	00.0s
Description	Specifies how long the doors will stay open when the car initially arrives at the floor after a hall call. If set to 00.0s, it will use the Dwell Time CC setting.
↘ DWELL ON REOPEN	
Default Setting	02.5s
Description	Specifies how long the doors will stay open after reopening due to a Door Open Button press or a breaking of the safety-edge / photo-eye.
↘ DCB CANCELS DWELL	
Default Setting	TRUE
Description	Specifies whether pressing the Door Close Button (DCB) will initiate door closing when on Normal operation.
↘ DOOR HOLD BUTTON	
↘ HOLD BUTTON DWELL	

Default Setting	000s
Description	Specifies how long to keep the doors open after someone presses the Door Hold Button.
↘ CC CANCELS DWELL	
Default Setting	FALSE
Description	Specifies whether pressing a car call button after the Door Hold Button has been pressed will cancel the hold timer and allow the doors to close.
↘ NO DEMAND DO	
Default Setting	FALSE
Description	When set to TRUE, the elevator will keep the car doors open at any floor until it has a demand to run.
NUDGING OPTIONS	
↘ TYPE OF NUDGING	
Default Setting	NONE
Description	Specifies what to do when the doors are held open while on Normal operations. The options available for Nudging are: "NONE" "BUZZER ONLY" "BUZZ AND NUDGE"
↘ NUDGE DELAY	
Default Setting	000s
Description	This parameter specifies how long to allow the doors to be held open before attempting to nudge them closed. When this parameter is set to a value smaller than 5.0 seconds then a 30.0 second delay is used.
↘ NUDGE W/O DEMAND	
Default Setting	FALSE
Description	The controller will not nudge the car doors closed if there is no demand for the car to leave the floor. Set this parameter to TRUE to force the doors to nudge closed even when the car has no call demand.
↘ DON'T LOG ALARM	
Default Setting	FALSE
Description	Set this parameter to TRUE if you don't want nudging alarms to be stored in the fault log.
LANTERN TRIGGER	
Default Setting	ON DOOR FULLY OPEN

Description	For elevators with arrival lanterns, this parameter determines when the lanterns are activated as the car arrives at the floor. The options available for Lantern Trigger are: "On Door Fully Open" "On Door Opening" "On Car Arrival" "On Car Approach"
DOUBLE GONG ON DOWN	
Default Setting	FALSE
Description	When set to TRUE, this parameter causes the controller to activate the output for the down arrival lantern/gong twice upon arrival.
FAILURE DETECTION	
▷ GSW CONTACT FAILURE	
▷ COMPARE GSW WITH	
Default Setting	DPM
Description	The GSW Contact Failure logic checks for failure of the gate switch (GSW). Specifically, we need to detect a failure where the door is physically open, but the gate switch indicates it is closed. To determine if the gate switch is showing the true state of the car doors, we need to compare it with another signal that also shows door position. The options available for GSW Contact Failure are: "Don't Detect" "DPM" "DCL" "DOL"
▷ DETECTION TIME	
Default Setting	00.0s (00.0s DEFAULTS TO 0.5s)
Description	This parameter adds a delay time where the gate switch and the "Compare GSW with" signal (see above) are not in agreement. If the signal disagreement lasts longer than this specified time, the controller will fault.
▷ HALL LOCK FAILURE	
▷ COMPARE LOCKS WITH	
Default Setting	GATE SWITCH

Description	The Hall Lock Failure logic checks for a failure of a hall door lock contact. Specifically, we need to detect a failure where the hall door is physically unlocked but the electrical contact indicates it is locked. To determine if a lock contact is showing the true state of the hall door, we need to compare it with another signal. The options available for Hall Lock Failure are: "Don't Detect" "Gate Switch" "Retiring Cam" "Fixed Cam"
↘ DETECTION TIME	
Default Setting	00.0s (00.0s DEFAULTS TO 0.5s)
Description	This parameter adds a delay time where the lock contacts and the "Compare Locks with" signal (see above) are not in agreement. If the signal disagreement lasts longer than this specified time, the controller will fault.
↘ TIMEOUT OPEN	
Default Setting	020s
Description	These parameters specify how long to wait for the car door to fully open before faulting and cycling them if not seeing it fully open.
↘ TIMEOUT CLOSE	
Default Setting	020s
Description	These parameters specify how long to wait for the car door to fully close before faulting and cycling them if not seeing it fully closed.
↘ TIMEOUT NUDGE	
Default Setting	045s
Description	These parameters specify how long to wait for the car door to fully nudge before faulting and cycling them if not seeing it fully closed.
HALL LOCK CAM	
↘ HALL LOCK CAM TYPE	
Default Setting	DEFAULT (OPERATOR CONTROLLED)
Description	Specifies the actuator mechanism that is used to lock and unlock the hall doors. The options available for Hall Lock Cam Type are: "Default" "Retiring Cam (AC)" "Fixed Cam" "Operator Controlled" "Retiring Cam (DC)"
↘ PWM (IF DC RET.CAM)	
Default Setting	000

Description	When the "Hall Lock Cam Type" is set to "Retiring Cam (DC)", the DC voltage to the retiring cam is controlled by an Alpha Brake Board. This parameter is used to control the voltage via pulse width modulation (PWM).
SWING HALL DOORS	
Default Setting	FALSE
Description	Set this parameter to TRUE if any of the openings served has a swing style hall door.
LOCK CLIP DISTANCE	
Default Setting	000IN
Description	Max distance the car is allowed to run with locks being opened. Can be used to prevent the controller from faulting if a hall lock is clipped as the car passes a floor.
PRE-OPENING	
Default Setting	000 (0.00IN)
Description	Specifies the distance from floor level at which the controller should initiate the opening of the car door. When set to 0, the controller will wait until the car is commanding 0 speed and is in dead zone.
HALL CALL BUZZER	
Default Setting	FALSE
Description	Used primarily for Attendant Service, setting this parameter to TRUE will cause the in-car buzzer to briefly sound whenever a hall call button is pressed.
FREIGHT DOOR SETUP	
↘ CONSTANT PRESSURE CLOSE	
Default Setting	FALSE
Description	Set this to TRUE if the car has freight doors and closing is done by constant pressure on the Door Close Button (DCB). When set to FALSE, momentary pressure of DCB is allowed to initiate closing.
↘ AUTO CLOSE ENABLE	
Default Setting	FALSE
Description	Set this to TRUE if the car has freight doors and it is permitted to automatically initiate closing of the doors without pressing the Door Close Button.
↘ CLOSE WARNING BUZZER	
Default Setting	00.0s
Description	If the car has freight doors, this parameter can be used to activate a warning buzzer for a period of time prior to initiation of door closing.
↘ TEST PHE / LT. CURTAIN	
Default Setting	FALSE
Description	For cars with freight doors, set this parameter to TRUE to cause a test of the photo-eye / light curtain prior to closing the door.

COMMON**MANUAL OPEN & CLOSE**

Default Setting	N/A
Description	When on inspection mode, user can manually open and close the door through the controller. Required to press and hold on the desired option.

LOCK ENGAGE TIME

Default Setting	00.0s (00.0s DEFAULTS TO 5.0s)
Description	Once the controller has a demand to run and the gate switch is closed, it is expected that the hall locks will make up soon thereafter. The Lock Engage Time says how long to wait before giving up and reopening the doors.

LOCK FAIL LIMIT

Default Setting	000 (000 DEFAULTS TO 020)
Description	If the controller has a demand to run and has closed the car doors but the hall locks did not make, it will cycle the doors and try again. If multiple attempts fail, then it will reopen the doors and keep them open for the "Dwell on Failure" time. This parameter specifies how many times to cycle the doors before doing that.

DWELL ON FAILURE

Default Setting	000s (000s DEFAULTS TO 030s)
Description	If the hall locks have failed to make after cycling the doors multiple times and the "Lock Fail Limit" setting is reached, then the car doors will be kept open for the time specified by this parameter. After this "Dwell on Failure" time expires, the doors will close again and if the locks still don't make then the doors will reopen and the Dwell on Failure will again occur. This cycle will continue until the locks successfully engage.

SHARED RETIRING CAM

Default Setting	FALSE
Description	If a single retiring cam is used to control both the front and rear side locks, this parameter must be set to true. (The front retiring CAM output will be used)

UNLOCKING DISTANCE

Default Setting	000 (000 DEFAULTS TO 3in)
Description	This parameter tells the controller how close the car must be to floor level for the car door clutch to engage with the hall door. This value will indicate the distance above floor level and the distance below floor level.

STOP SWITCH EFFECT

Default Setting	DEFAULT
-----------------	---------

Description	This parameter tells the controller how stop switches should affect door operation. The options available for Stop Switch Effect are: "Default" -- Stop switches do not affect door operation. "Reopens Ajar Door" -- Activation of a stop switch will cause a door that is not fully closed to reopen. "Kills Norm Movement" -- Activation of a stop switch will cause all door movement to stop unless the car is on Fire Service. "Kills All Movement" -- Activation of a stop switch will cause all door movement to stop.
COMBINE F/R OUTPUTS	
Default Setting	FALSE
Description	Used for freight doors where a single set (the front) of Open, Close, and Nudge outputs are used to control both front and rear doors. This only works for jobs where all floors have staggered openings with no walk-through landings.
RT CAM TEST TIMEOUT	
Default Setting	000s (000s DEFAULTS TO indefinitely)
Description	The retiring CAM remains lifted while the car is stopped with Dip Switch 3 on the MR UI Board turned ON. When set to a non-zero value, the retiring cam will de-energize and unlock the hall doors after the car has been stopped for the specified number of seconds.

NAVIGATION: MAIN MENU → SETUP → FIRE SETUP →

DISABLE FIRE SERVICE

Default Setting	FALSE
Description	When set to TRUE, this parameter will turn off fire service operation. The In-Car fire lamp will flash to indicate that fire service has been disabled.

SAFETY CODE

Default Setting	A17.1-2019/B44:19
Description	Allows you to specify what safety code the controller must follow. The options available for Safety Code are: "Unspecified" "California Group 2" "A17.1-1996/CA Grp3" "California Group 4" "NYC Appndx K(2014)" "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" "Detroit" "NYC Appndx K(2022)" "Chicago (1996)" "A17.1-2022/B44:22" "Mass.524 CMR(2018)"

DESIGNATED LEVEL

FLOOR

Default Setting	01
Description	Specifies the Designated (MAIN) recall level. Usually where the lobby fire key switch is located.

OPEN REAR DOOR

Default Setting	FALSE
-----------------	-------

Description	Set to TRUE if the lobby fire key switch is physically located at the rear opening of the Designated (MAIN) recall level.
-------------	---

ALTERNATE LEVEL

FLOOR	
Default Setting	02
Description	Specifies the Alternate recall level.
OPEN REAR DOOR	
Default Setting	FALSE
Description	Set to TRUE if the Alternate recall level is a rear opening.

SMOKE/HEAT SENSORS

SENSOR 1-SENSOR 8	
↘ GO TO ALTERNATE	
Default Setting	FALSE
Description	When set to TRUE, the specified sensor will recall to the Alternate recall level.
↘ FLASH FIRE HAT	
Default Setting	SENSOR1/SENSOR2/SENSOR5-SENSOR8: FALSE SENSOR 3/SENSOR 4: TRUE
Description	When set to TRUE, the specified sensor will flash the In-Car fire lamp.
↘ TRIP ORDER OVERRIDE	
Default Setting	FALSE
Description	Set this parameter to TRUE and the “Flash Fire Hat” parameter to TRUE to force the in-car Fire Hat Lamp to flash whenever the specified sensor trips, even if it is not the device that initiates Fire Service. When set to FALSE, the In-Car fire lamp will only flash if this sensor is the first one to trip.
↘ SHUNT TRIP	
Default Setting	FALSE
Description	When set to TRUE, the controller will activate the shunt trip output after the car has completed Fire Phase 1 recall due to the specified sensor activating.

CALL CANCEL FAST STOP

Default Setting	FALSE
Description	When set to TRUE, the car will stop and drop speed immediately to zero speed and stop wherever it is currently at when on fire phase 2 and the fire phase 2 call cancel is pressed.

IND SERVICE TIMEOUT

Default Setting	000s (000s DEFAULTS TO 020s)
Description	When car is on Independent Service and Fire Phase 1 is initiated, this timer will specified how long the delay will be for the doors to close to go into Fire Phase 1 recall from Independent Service.

OLD PHASE 2 RECALL	
Default Setting	FALSE
Description	When set to TRUE, when the Fire Phase 2 keyswitch is turned OFF, the car will recall to the Designated (MAIN) recall level even if there is smoke sensor that is activated to recall the car to the Designated (MAIN) recall level. Alpha preferred setting is FALSE.

NAVIGATION: MAIN MENU → SETUP → EARTHQUAKE →

COUNTERWEIGHT MIDPOINT	
Default Setting	0000000000 (0.00IN)
Description	Set this parameter to tell the controller the position in the hoistway where the car and counterweight are next to each other.

HALF OF CAB HEIGHT	
Default Setting	00000 (0.00IN)
Description	Set this parameter to half of the cab height, since the car and counterweight are next to each other over a range of area, this parameter defines that range extending up and down from the midpoint position. This parameter would mean how far from the Counterweight Midpoint the car must be to allow it to safely move away from the counterweight.

NAVIGATION: MAIN MENU → SETUP → SPECIAL OPERATION →

INDEPENDENT SERVICE

CCB CLOSES DOOR

Default Setting	FALSE
Description	With this parameter set to TRUE, pressing and holding a Car Call Button (CCB) will also close the doors on independent service.

FLOOD SETUP

FLOOD SAFE FLOOR

Default Setting	01
Description	Specifies the lowest floor the car is allowed to go to when the flood sensor is active. If the car is below this floor and the flood sensor is active then the controller will move the car up to this floor

GO OUT OF SERVICE

Default Setting	FALSE
Description	This parameter determines whether the car can remain in service when the flood sensor is active. When set to TRUE, the car will go out of service once it has been moved to a floor at or above the Flood Safe Floor.

MUST MANUALLY RESET

Default Setting	FALSE
Description	This parameter determines whether the car will automatically reset when flood sensor is no longer active. When set to TRUE, a car on Flood Operation will remain on Flood Operation until the Fault Clear button on the Inspection Board is pressed.

SOUND BUZZER

Default Setting	FALSE
Description	When set to TRUE, the In-Car buzzer will sound when flood sensor is active.

EMS (MEDICAL) SETUP

ENABLE EMS

Default Setting	FALSE
Description	Set to TRUE to allow car to go on Medical Operation when Medical Phase 1 keyswitch is activated.

DISABLES IC-STOP SW

Default Setting	FALSE
Description	Set to TRUE to disable In-Car stop switch once the car is in motion on Medical Phase 1

ALLOW PH.2 W/O PH.1

Default Setting	FALSE
Description	Set to TRUE to allow car to go on Medical Phase 2 without the need to activate Medical Phase 1 keyswitch first.

SABBATH

ACTIVATE SABBATH

Default Setting	FALSE
Description	Set to TRUE to activate Sabbath operation without the need of a Sabbath keyswitch.

FLOORS TO SKIP

▾ FRONT/REAR

Default Setting	FALSE
Description	Normally, when on Sabbath Operation, the car will automatically travel to every floor, stop and open all doors. Set to the desired floors/opening to skip during Sabbath operation. For Front, set the floor with front openings to TRUE. For Rear, set the floor with rear openings to TRUE.

DWELL AT LOBBY

Default Setting	000s (000s DEFAULTS at 020s)
Description	This parameter allows you to specify how long the car will stay at the Designated (MAIN) recall level with the doors open during Sabbath operation.

DWELL AT NON-LOBBY

Default Setting	000s (000s DEFAULTS at 010s)
Description	This parameter allows you to specify how long the car will stay at any other floor besides the Designated (MAIN) recall level with the doors open during Sabbath operation.

SWING OPERATION

HCS ENABLE SWING

Default Setting	FALSE
Description	Set to TRUE to activate Swing Operation with just activating hall calls on the swing riser without the need of a Swing Operation keyswitch.

REMAIN IN GROUP

Default Setting	FALSE
Description	Set to TRUE to allow the car that is on Swing Operation to stay in the group and answer hall calls from the group while answering hall calls from the swing riser.

TIMEOUT

Default Setting	000s
-----------------	------

Description	This parameter specifies how long a car on Swing Operation that is activated with hall calls will remain on Swing once it becomes idle. If a car is on Swing operation but has no calls to respond to for longer than the time specified by this parameter, then it will exit Swing Operation and return to answering hall calls from the group.
-------------	--

ATTENDANT SERVICE

MOMENTARY BYPASS

Default Setting	FALSE
Description	When set to TRUE, press and release the Bypass button to place the car in Hall Call Bypass (HCB) mode. Press and release a second time to exit HCB mode. HCB mode must be activated prior to closing the doors. While active, the Attendant Bypass output will be activated, and hall calls will be ignored. Note that hall calls will continue to latch but will not be answered until HCB mode is exited. When set to FALSE, the Bypass button must be held prior to the doors closing and be continuously held until the destination floor is reached. The Attendant Bypass output will only be active while the button is held. Releasing the Bypass button will allow the car to begin answering hall calls again.

CLOSE ON BYPASS

Default Setting	FALSE
Description	When set to TRUE, constant pressure on the Bypass button will cause the car doors to close. This setting is often used when “Momentary Bypass” is set to FALSE to allow the pressing and holding the Bypass button to both close the doors and provide an uninterrupted ride to the destination floor. When set to FALSE, the Bypass button does not affect door operation.

CLOSE ON DIRECTION

Default Setting	FALSE
Description	When set to TRUE, constant pressure on either the Attendant Up or Attendant Down button will cause the car doors to close. When set to FALSE, Attendant Up and Down buttons do not affect door operation.

ATTENDANT BUZZER

Default Setting	FALSE
Description	When set to TRUE, the In-Car Buzzer will sound for 0.5 seconds whenever a hall call button is pressed. This will alert the attendant that someone is calling for the elevator.

SHOW HCS ON CC LAMP

Default Setting	FALSE
-----------------	-------

Description	This parameter allows you to show the hall call status on the car call button lamps when on Attendant Service. When set to TRUE, the car call buttons will light when a hall call (up or down) is latched at the corresponding opening. This only happens when the car is on Attendant Service operation. This was done to allow the attendant to know where he needs to take the car in cases where the COP panel does not have dedicated hall call indicator lamps.
-------------	---

PATIENT SECURITY	
Default Setting	FALSE
Description	When this parameter is set to TRUE, activation of an input associated with a hall opening will activate Patient Security. Those inputs can be programmed on a UI Board using the Setup Inputs Per-Floor Inputs front/rear Patient Security screen.

GO OUT OF SERVICE	
GO TO FLOOR	
Default Setting	NEAREST FLOOR
Description	Specifies where to send the car when the "Go Out of Service" input activates.
DOOR OPERATION	
➤ FRONT/REAR	
➤ DOOR BEHAVIOR	
Default Setting	KEEP DOORS OPEN
Description	Specifies the door operation when the "Go Out of Service" input is activated and goes to the floor specified by "Go To Floor." The options available for Door Behavior are: "Keep Doors Open" "Keep Doors Closed" "Cycle Door Once"
➤ DISABLE DOB	
Default Setting	FALSE
Description	When this parameter is set to TRUE, the door open button is disabled when the "Go Out of Service" input is activated.

NAVIGATION: MAIN MENU → SETUP → TIMERS →

FAN & LIGHT TIMER

Default Setting	000s (IF SET TO 000s, FAN & LIGHT IS ALWAYS ON)
Description	This timer can be used to turn off the fan and light inside the elevator cab after the elevator has been sitting idle for a specified period with using the Fan & Light Output.

CAR DWELL TIME

Default Setting	00.0s (00.0s DEFAULTS at 03.0s)
Description	The Car Dwell Time is used to force an extended delay set by specific time between back-to-back runs of the elevator when the car is on automatic. This is to prevent wear and tear on the equipment. Note: the lowest value is 03.0s)

TRACTION LOSS TIME

Default Setting	00.0s (00.0s DEFAULTS AT 10.0s)
Description	If the CMD speed is greater than 5 fpm and the car is traveling less than 5 FPM for longer than this timer, then an "F146:Traction Loss" fault will occur.

NAVIGATION: MAIN MENU → SETUP → PARKING →

ENABLE PARKING

Default Setting	FALSE
Description	Set to TRUE to cause the car to park at the specified "Park Floor" after being idle for the specified "Park Delay Time."

PARK DELAY TIME

Default Setting	000S
Description	This parameter tells the controller how long to wait after the car becomes idle before sending it to "Park Floor."

SIMPLEX PARKING

PARK FLOOR

Default Setting	1
Description	Set to the desired floor to park the car after the specified "Park Delay Time" is reached.

PARK W/FRONT OPEN

Default Setting	FALSE
Description	These parameters allow you to keep the front car doors open while the car is parked.

PARK W/REAR OPEN

Default Setting	FALSE
Description	These parameters allow you to keep the rear car doors open while the car is parked.

GROUP PARKING

PARK FLOOR 1-8

Default Setting	1
Description	Set to the desired floor to park the car after the specified "Park Delay Time" is reached. This will need to be set on each car and set to be identical. Park Floor 1 (Highest priority floor), Park Floor 2 (Second priority floor), etc.

PARK W/FRONT OPEN

Default Setting	FALSE
Description	These parameters allow you to keep the front car doors open while the car is parked.

PARK W/REAR OPEN

Default Setting	FALSE
Description	These parameters allow you to keep the rear car doors open while the car is parked.

NAVIGATION: MAIN MENU → SETUP → INSPECTION/ACCESS →

ACCESS TOP

FLOOR

Default Setting	2
Description	This parameter specifies the floor where the key switch to move the car down on top hoistway access is located.

KEY AT REAR DOOR

Default Setting	FALSE
Description	When this parameter is set to TRUE, the floor where the key switch to move the car down on top hoistway access is a REAR opening.

TRAVEL LIMIT DOWN

Default Setting	02439 (8FT 0.02IN)
Description	When accessing the car down from the top access, this parameters tell the controller the maximum distance the car is allowed to move down from the top access floor.

AUTO CLOSE DOOR

Default Setting	FALSE
Description	Setting this parameter to TRUE will cause the controller to automatically close the car door before moving the car away from the access floor. This will also cause the car doors to open while accessing toward the access floor once the car has reached the landing.

ACCESS BOTTOM

FLOOR

Default Setting	1
Description	This parameter specifies the floor where the key switch to move the car up on bottom hoistway access is located.

KEY AT REAR DOOR

Default Setting	FALSE
Description	When this parameter is set to TRUE, the floor where the key switch to move the car up on bottom hoistway access is a REAR opening.

TRAVEL LIMIT DOWN

Default Setting	02439 (8FT 0.02IN)
Description	When accessing the car up from bottom access, this parameters tell the controller the maximum distance the car is allowed to move up from the bottom access floor.

AUTO CLOSE DOOR

Default Setting	FALSE
Description	Setting this parameter to TRUE will cause the controller to automatically close the car door before moving the car away from the Access floor. This will also cause the car doors to open while accessing toward the Access floor once the car has reached the landing.

ACCESS CAPTURE

Default Setting	FALSE
Description	Set this parameter to TRUE to enable the Hoistway Access keys to double as Car Capture devices. This can be useful in group configurations when you wish to call a specific car to an Access floor. With the cars running on automatic, turn the Access key in the hallway to either the up or down position for approximately 1 second. This will remove that car from group operation. It will continue to answer car calls but once it becomes idle, it will return to the floor where the Access key was activated and open its doors.

ENABLE IC INSPECT

Default Setting	FALSE
Description	When this parameter is set to TRUE, allows In-Car Inspection operation.

BYPASS DIRECTIONALS

Default Setting	TRUE
Description	When this parameter is set to TRUE, it allows the elevator to move without the absolute positioning landing system on inspection mode. This must be changed to FALSE to run on normal operation after learning floors.

HARD STOP	
Default Setting	TRUE
Description	When this parameter is set to TRUE, the controller will stop the car by removing power to the motor and brakes immediately upon releasing the up/down signal on inspection.

REDUCED OVERHEAD	
Default Setting	00000 (0.00IN)
Description	Set to the desired distance that the elevator will be allowed to travel on Car Top Inspection from the UNL (Up Normal Limit).

NAVIGATION: MAIN MENU → SETUP → REAL-TIME CLOCK →

TIME ZONE	
Default Setting	PACIFIC
Description	Specifies the time zone the installing elevator is in. The options available for time zones are: "Custom" "Atlantic" "Eastern" "Central" "Mountain" "Pacific" "Alaskan" "Hawaii-Aleutian" "Samoa" "Chamorro"

DAYLIGHT SAVING	
OBSERVE DST	

Default Setting	TRUE
Description	Specifies whether the location where the controller is installed observes Daylight Saving Time. If set to FALSE, then the real-time clock will remain on Standard Time for the entire year. If set to TRUE, then the real-time clock will automatically adjust between Standard and Daylight Saving Time as specified by the following parameters.

BEGIN ON

Default Setting	2ND SUN IN MAR
Description	Allows you to specify the WEEK and MONTH when Daylight Saving Time (DST) begins. For WEEK you can specify "1st", "2nd", "3rd", "4th", or "Last". For MONTH you specify "JAN" through "DEC". The Real-Time Clock will automatically adjust 1 hour forward at 2:00 AM on Sunday of the specified week and month. As of 2024, DST in the United States begins on the 2nd Sunday in March. This parameter is ignored if Observe DST is set to FALSE or if Year-Round DST is set to TRUE.

ENDS ON

Default Setting	1ST SUN IN NOV
Description	Allows you to specify a WEEK and a MONTH when Daylight Saving Time (DST) ends. For WEEK you can specify "1st", "2nd", "3rd", "4th", or "Last". For MONTH you specify "JAN" through "DEC". The Real-Time Clock will automatically adjust 1 hour backwards at 2:00 AM on Sunday of the specified week and month. As of 2024, DST in the United States ends on the 1st Sunday in November. This parameter is ignored if Observe DST is set to FALSE or if Year-Round DST is set to TRUE.

YEAR-ROUND DST

Default Setting	FALSE
Description	This parameter is provided in case the United States ever switches to year-round Daylight Saving Time. If set to TRUE, it will cause the time reported to a remote monitoring server (if connected) as being on DST all the time. It will also prevent the "Begins On" and "Ends On" parameters from adjusting the clock.

DATE

Default Setting	N/A
Description	Use this screen to set the current local date.

TIME

Default Setting	N/A
-----------------	-----

Description	Use this screen to set the current local time.
-------------	--

NAVIGATION: MAIN MENU → SETUP → SECURITY →

CAR CALL SECURITY	
TYPE OF SECURITY	
Default Setting	NONE
Description	Specifies the type of car call security being used. The options available for security are: "None" "Using UI Inputs" "Using Access Codes"
OPENINGS TO SECURE	
▾ FRONT/REAR	
Default Setting	FALSE
Description	This screen allows you to scroll through each opening (floor and door) and mark it as secure (TRUE) or unsecure (FALSE).
TIMED SECURITY	
▾ ENABLE TIMERS	
Default Setting	FALSE
Description	When set to FALSE, car call security (if enabled) is assumed to always be active. Set this parameter to TRUE if security is only desired at certain times (e.g., nights and weekends).
▾ WEEKDAY TIMERS	
▾ START TIME	
Default Setting	OFF
Description	Set the desired time you want car call security to start locking out car calls on a weekday.
▾ END TIME	
Default Setting	OFF
Description	Set the desired time you want car call security to stop locking out car calls on a weekday.
▾ WEEKEND TIMERS	
▾ START TIME	
Default Setting	OFF
Description	Set the desired time you want car call security to start locking out car calls on a weekend.
▾ END TIME	

Default Setting	OFF
Description	Set the desired time you want car call security to stop locking out car calls on a weekend.
COP ACCESS CODE	
↘ PER FLOOR CODES	
Default Setting	1 1 1 1
Description	These screens are used when the "Type of Security" parameter (see above) is set to "Using Access Codes". In such a case, each floor can be assigned a 4-digit button press sequence that must be entered after pressing the car call button for that floor. If the correct sequence is entered, the call will latch. Otherwise, it will extinguish. The 4-digit sequence refers to a series of car call button presses that are entered like a security PIN number. The buttons must be pressed in the correct order within a few seconds of pressing the original call request. Each floor can be assigned a different PIN using the "Per Floor Codes". A "Per Floor Code" of '1', '1', '1', '1' (or whatever the lowest floor is repeated 4 times) will be treated as that floor being unsecured.
↘ ACCESS CODE	
Default Setting	1 1 1 1
Description	Single PIN can be specified to access all floors using the "All Access Code". An "All Access Code" of '1', '1', '1', '1' (or whatever the lowest floor is repeated 4 times) will disable use of the "All Access Code" and allow only "Per Floor Codes" to work.
INDEPENDENT SERVICES OVERRIDES	
Default Setting	FALSE
Description	When set to TRUE, car call security is disabled when the car is on Independent Service.
DOB OVERRIDES	
Default Setting	FALSE
Description	By default, a car sitting at a secured floor with its doors fully closed will disable the Door Open Button (DOB). Setting this parameter to TRUE will allow the DOB to open a fully closed door at a secured opening (bypassing security).
EXCLUDED COPS	
↘ COP 1/COP 2/COP 3 / COP4	
Default Setting	FALSE
Description	These parameters were designed for use in prison/jail elevators where, in addition to the car operating panel (COP) inside the car, there may be an additional COP at a remote guard station. In such a configuration, the car call buttons inside the car are always secure since the elevator is used to transport inmates. The call buttons at the guard station, however, are not secure since they are installed in a room that is only accessed by authorized personnel.
CCES LATCH CALLS	
Default Setting	FALSE
Description	Setting this parameter to TRUE causes the Car Call Enable (CCE) inputs to also latch a car call to the associated opening.

HALL CALL SECURITY

ENABLE HC SECURITY

Default Setting	FALSE
Description	When set to TRUE, openings specified under "Openings to Secure" will be secured at all times unless the "Timed Security" limits when security is active. When a hall call is secured, it will not latch unless a Hall Call Enable (HCE) input associated with that opening or the "Enable All HCs" input is activated.

OPENINGS TO SECURE

▸ FRONT/REAR

Default Setting	FALSE
Description	This screen allows you to scroll through each opening (floor and door) and mark it as secure (TRUE) or unsecure (FALSE).

TIMED SECURITY

▸ ENABLE TIMERS

Default Setting	FALSE
Description	When set to FALSE, hall call security (if enabled) is assumed to always be active. Set this parameter to TRUE if security is only desired at certain times (e.g., nights and weekends).

▸ WEEKDAY TIMERS

▸ START TIME

Default Setting	OFF
Description	Set the desired time you want hall call security to start locking out hall calls on a weekday.

▸ END TIME

Default Setting	OFF
Description	Set the desired time you want hall call security to stop locking out hall calls on a weekday.

▸ WEEKEND TIMERS

▸ START TIME

Default Setting	OFF
Description	Set the desired time you want hall call security to start locking out hall calls on a weekend.

▸ END TIME

Default Setting	OFF
Description	Set the desired time you want hall call security to stop locking out hall calls on a weekend.

NAVIGATION: MAIN MENU → SETUP → INPUTS →

PLACE

GENERAL INPUTS	Assign the general inputs used to the desired location:		
	Battery Power Seismic MS Cont. Mon. Motor Overheat Low Battery Flood Sensor Lobby Fire 1 Reset Lobby Fire 1 Off Lobby Fire 1 Bypass Remote Fire Key Off Smoke 1 Smoke 2 Smoke 3 Smoke 4 Smoke 5 Smoke 6 Smoke 7 Smoke 8 Fire 2 Key Off Fire 2 Key Hold Fire 2 Call Cancel Fire Stop Switch	IC Inspect Up IC Inspect Down Car to Lobby LW Overweight LW Full Load LW Light Load Sabbath Enable Enable All CCs Enable All HCs Attendant Enable Attendant Bypass Attendant Up Attendant Down Swing Enable Go Out of Service Slack Rope Susp Ladder Monitor Emergency Power EP Up to Speed EP Pre Transfer EQ Scan Key Regen Ready	Flash Fire Hat EP Select Car 1 EP Select Car 2 EP Select Car 3 EP Select Car 4 EP Select Car 5 EP Select Car 6 EP Select Car 7 EP Select Car 8 DBR Failure EBPS Monitor Rec Travel On Rec Travel Dir Slack Rope Gov Future Use Fire 2 Key On Patient Disable Revel Disable Flood Reset
DOOR INPUTS	FRONT / REAR	Assign the door inputs used to the desired location: Photo-eye 2nd Photo-eye Mech. Safety Edge DOL (Open Limit) DCL (Close Limit) DPM (Pos. Monitor) Hallway DOB Hallway DCB Hallway Stop Btn	
COP INPUTS	COP1 (MAIN PANEL), COP2, COP3, COP4	Assign the COP inputs used to the desired location: DOB Button (Front) DCB Button (Front) Door Hold (Front) DOB Button (Rear) DCB Button (Rear) Door Hold (Rear) Ind. Service Key In-car Medical Key Enable All CCs Enable All HCs Enabl. Passing Chime Non-Fire Call Cancel Bypass PHE (Front) Bypass PHE (Rear) Disable This COP	
PER-FLOOR INPUTS	FRONT / REAR	CAR CALL ENABLES	Assign the car call enable inputs per floor used to the desired location.
		HALL CALL ENABLES	Assign the car call enable inputs per floor used to the desired location.
		PATIENT SECURITY	Assign the patient secured inputs per floor used to the desired location.

INVERT

Description	Using the same table above, use to invert the inputs from normally open to normally close or normally close to normally open. To do this, go to the input and change it from non inverted to inverted.
-------------	--

NAVIGATION: MAIN MENU → SETUP → OUTPUTS →

PLACE		
MR BOARD / CT BOARD / COP BOARD / GROUP BOARD	Assign the output used to the desired location (All outputs are programmable onto any board and can be programmed multiple times):	General : Preflight Relay, In-Car Fire Lmp, Lobby Fire Lamp, Fire Phase 1, Fire Phase 2, Fire Go to Main, Fire Go to Alt, Frt Car Cut-Out, Need to Close, At Recall, At Designated, Travel Up, Travel Down, Passing Chime, In-Car Buzzer, Warning Buzzer, Fan & Light, Sabbath Lamp, Medical Lamp, On Main Line, On Battery, On Generator, Flood Lamp, Independent Service, On Inspection, In-Use Lamp, In Service, Car Faulted, Overloaded, Hall Call Above, Hall Call Below, Ladder Extend, Ladder Retract, EQ1 - Mode Lamp, Shunt, Reset Drive, Fire P1 Only, Frt Hall Cut-Out, EP Selected C1, EP Selected C2, EP Selected C3, EP Selected C4, EP Selected C5, EP Selected C6, EP Selected C7, EP Selected C8, EP Recalled C1, EP Recalled C2, EP Recalled C3, EP Recalled C4, EP Recalled C5, EP Recalled C6, EP Recalled C7, EP Recalled C8, Relevel, Fire Service, MS Relay, EQ2- Slow Speed, EQ3 - Status, Regen Enable, Regen Fault Res, Attendant Bypass, Doors Closed, Any Door Open, In Group, Patient Security, ML Breaker Coil, Auto Rescue Enable, Out Of Service, DOL at Dsg. Lev, TED Lamp, Hoistway Lights, On Swing Operation, AC Brake Signal
		Door Front: Open, Close, Nudge, DCP, Retiring Cam, Restrictor, Door Hold Lamp, Lantern Up, Lantern Down, Photo-Eye Test, Disable PHE, Auto-Close Enb., Warning Buzzer, Arrival Gong, At DOL, At DCL
		Door Rear: Open, Close, Nudge, DCP, Retiring Cam, Restrictor, Door Hold Lamp, Lantern Up, Lantern Down, Photo-Eye Test, Disable PHE, Auto-Close Enb., Warning Buzzer, Arrival Gong, At DOL, At DCL
		Arrival Up Front: Set to each floor with an arrival up lantern in front opening
		Arrival Up Rear: Set to each floor with an arrival up lantern in rear opening

		<u>Arrival Down Front:</u> Set to each floor with an arrival down lantern in front opening
		<u>Arrival Down Rear:</u> Set to each floor with an arrival down lantern in rear opening
		<u>PI Lamp:</u> Set to each floor with a position indicator
		<u>Group Output:</u> Lobby Fire Lamp
		<u>At Floor:</u> Set to each floor that has a electronic unlocking device (mainly used for residential jobs). This output will turn on when the elevator is at the specified floor and within the unlocking zone.

NAVIGATION: MAIN MENU → SETUP → CALLS →

FRONT SIDE / REAR SIDE	
CAR CALLS	
▾ COP1 (MAIN PANEL)	
Default Setting	CC-F "1" 501/601 & CC-F "2" 502/602
Description	Assigned the main car call inputs to the desired location.
▾ COP2-COP4	
Default Setting	UNASSIGNED
Description	If have a second set of car call inputs, you can use this section to program the car call inputs to the desired location.
UP CALLS	
Default Setting	UNASSIGNED
Description	If you have a need for discrete hall call inputs, you can use this section to program the hall call UP inputs to the desired location.
DOWN CALLS	
Default Setting	UNASSIGNED
Description	If you have a need for discrete hall call inputs, you can use this section to program the hall call DOWN inputs to the desired location.
MEDICAL/SPECIAL	
Default Setting	UNASSIGNED
Description	If you have a need for discrete medical recall phase 1 inputs, you can use this section to program the medical recall phase 1 inputs to the desired location.

DUMP CCS AFTER STOP

Default Setting	FALSE
Description	If set to TRUE this parameter will cause the controller to clear all calls (car and hall) every time the car stops on normal operation.

NAVIGATION: MAIN MENU → SETUP → CAN & SERIAL PORTS →

MR UI BOARD

Default Setting	RS422 PORT = EX51 DISPLAY CAN1 PORT = DEFAULT ALPHA CAN (CANNOT CHANGE) CAN2 PORT = HALL NET. (HN) CAN3 PORT = CE, MAD, VT
Description	RS422 PORT supports DL20 (usually COP board), EX51 (usually MR board), and MODBUS (Alpha remote monitoring) CAN2/CAN3 Port supports KUBLER (usually CT board), [CE, MAD, VT], HALL NET. (HN), GROUP NET. (GN), [HN, CE, MAD, VT], CE ONLY, MAD ONLY, VIDATECH ONLY. Advise to contact Alpha Elevator Control Support if needing to change one of these settings from default.

CT UI BOARD

Default Setting	RS422 PORT = UNUSED CAN1 PORT = DEFAULT ALPHA CAN (CANNOT CHANGE) CAN2 PORT = KUBLER CAN3 PORT = UNUSED
Description	RS422 PORT supports DL20 (usually COP board), EX51 (usually MR board), and MODBUS (Alpha remote monitoring) CAN2/CAN3 Port supports KUBLER (usually CT board), [CE, MAD, VT], HALL NET. (HN), GROUP NET. (GN), [HN, CE, MAD, VT], CE ONLY, MAD ONLY, VIDATECH ONLY. Advise to contact Alpha Elevator Control Support if needing to change one of these settings from default.

COP UI BOARD

Default Setting	RS422 PORT = DL20 DISPLAY CAN1 PORT = DEFAULT ALPHA CAN (CANNOT CHANGE) CAN2 PORT = UNUSED CAN3 PORT = CE, MAD, VT
Description	RS422 PORT supports DL20 (usually COP board), EX51 (usually MR board), and MODBUS (Alpha remote monitoring) CAN2/CAN3 Port supports KUBLER (usually CT board), [CE, MAD, VT], HALL NET. (HN), GROUP NET. (GN), [HN, CE, MAD, VT], CE ONLY, MAD ONLY, VIDATECH ONLY. Advise to contact Alpha Elevator Control Support if needing to change one of these settings from default.

NAVIGATION: MAIN MENU → SETUP → OTHER OPTIONS →

PI OUTPUT TYPE	
Default Setting	ONE WIRE PER FLOOR
Description	When PI fixtures are connected discretely to outputs on a UI Board rather than serially, this parameter specifies what pattern of on/off signals to use to encode the floor numbers. The options available for PI output type are: "One Wire Per Floor" "Binary (Base 0)" "Binary (Base 1)"

CONTROLLER PASSCODE	
Default Setting	N/A
Description	Access this screen if your controller is faulted with an "F131:Passcode". You will need to enter a number provided by Alpha to enable full operation of the controller. Once full operation of the controller is enabled, navigating to this screen will show the "No Passcode Required" message.

AT FLOOR OUTPUTS	
USAGE	
Default Setting	INDICATES POSITION

Description	Set the functionality of the discrete "at floor" outputs. The options available for At Floor Outputs are: "Unlocks Hall Door" (Use for some residential cars that unlocks the solenoids for the per floor hall lock, output comes on when the car is in the unlocking zone for the floor and retiring CAM is dropped) "Indicates Position" (Output comes on whenever the car is in the unlocking zone or passing the unlocking zone) "Freight Door Ctrl" (Use this setting when the "At Floor" outputs are used to tell a freight door operator to enable its Door Open Button (DOB) and Door Close Button (DCB) for a specific floor)
-------------	--

IDLE TIMEOUT

Default Setting	000s (000s DEFAULTS OUTPUT TO STAY ON INDEFINITELY)
Description	This parameter is only used only when the "Usage" parameter (see above) is set to "Unlock Hall Door". It is to prevent the hall lock solenoids from overheating. This timer is ignored when "Usage" is set to "Indicates Position" or "Freight Door Ctrl."

DISABLE TRACTION LOSS

Default Setting	FALSE
Description	Set to TRUE to disable traction loss fault (slipping traction).

DISABLE EMERGENCY DISPATCH

Default Setting	FALSE
Description	Set this to TRUE to prevent the elevator from going on Emergency Dispatch if the hall call or group network goes down.

DISABLE COP INPUTS

KEEP DOBS ALIVE

Default Setting	FALSE
Description	When set to TRUE, it will allow the door open button inputs for the disabled COP panel to continue functioning.

DUMP CALLS

Default Setting	FALSE
Description	When set to TRUE, controller will cancel all car calls and hall calls currently assigned to the car when any of the COP panels is disabled. Normally, disabling a COP panel just prevents button presses on that panel from latching new calls.

COP1-4 DISABLES HCS

Default Setting	FALSE
Description	Set to TRUE to only disable hall calls when specific COPs (COP1-4) are disabled.

MAX ROPE BENDS	
Default Setting	0000000000
Description	This parameter will cause the car to go out of service once the number of rope bends detected meets or exceeds the specified value. To reset the rope bend counter, go to MAIN MENU -> STATUS -> ROPE BEND COUNT screen, hold the right arrow button on the UI board for 5 seconds.

ROPE BENDS ALARM	
Default Setting	0000000000
Description	This parameter will throw an alarm to notify personal the number of rope bends detected is close to reaching the max rope bends.

FORCE PERIODIC RUNS	
RUN AFTER IDLE FOR	
Default Setting	00000 MIN (00000 MIN DISABLES THIS OPERATION)
Description	The purpose of this timer is to run lightly used cars if they sit idle for long periods of time. The timer can be set for 1-65535 minutes. Any movement of the car (other than a releve) will restart the timer. This parameter only affects cars on Normal operation. When a forced run occurs, the controller will perform the following sequence of movements: Run the car to the bottom floor. Run the car to the top floor. Run the car to the Main Fire floor.
DON'T LOG RUNS	
Default Setting	FALSE
Description	When the "Force Periodic Runs" is enabled, the controller will normally log an "A255:Periodic Run" alarm whenever the car is run. Set this parameter to TRUE to prevent saving the alarm to the fault log.

ANTI-NUISANCE LIMIT	
Default Setting	003
Description	This parameter specifies the number of stops that must occur before the Anti-Nuisance logic activates. The Factory Reset value is 3 which means after 3 stops with no PHE activity, all car calls are dropped. Set the parameter to 0 to disable the Anti-Nuisance logic.

OOS IF BOARD OFFLINE	
-----------------------------	--

Default Setting	003
Description	When set to TRUE, this parameter will cause the car to go out of service upon loss of a UI or Expansion board. The logic works by checking for the presence of a board on the CN network. Once communication from a board is detected, the controller will expect that board to continue communicating.