

C4

PARAMETER LIST

VERSION 6.01



| Date | Version | Summary of Changes |
|-------------------|---------|--|
| August 5, 2025 | 6.01 | <p>Added the following parameters:</p> <p>CE MDBA Destination Display, Latch Fault on DZ discrepancy, Enable CE Annunciator Vers 2, Mode Of Operation Generic Output under the Miscellaneous Parameters section.</p> <p>Constant Pressure on DCB, DR Reopen Dwell Time 1s under the Door Parameters section.</p> <p>Enable CC Cancel DR Dwell Time under the Car Call and Hall Call Parameters section.</p> <p>CW Derail Blinks EQ Lamp under the Earthquake Parameters section.</p> <p>ELGO Frozen Count Offset under the Landing System Parameters section.</p> <p>Custom Floor IndexAndDwellTime 1s under the Floor Parameters section.</p> |
| June 20, 2025 | 6.0 | Removed hydro parameters. |
| June 12, 2025 | 5.01 | Reviewed parameter 01-0018's description. |
| May 26, 2025 | 5.0 | Updated document template. |
| January 20, 2025 | 4.6 | <p>Reviewed parameter 08-0123's description.</p> <p>Added the "Open Rear Door on VIP" parameter under Door Parameters section.</p> <p>Added the "Enable Rope Gripper Brake Board" parameter under Brake Parameters section.</p> <p>Added the "Regen Enable On Delay Sec" parameter under Miscellaneous Parameters section.</p> <p>Added the "Fire1 Recall To Flood Safe Floor", "Alt. Is Flood Safe Floor", and the "Enable Flood Limits On Inspection/Hoistway Access" parameters under the Flood Parameters section.</p> |
| September 9, 2024 | 4.5 | <p>Added the "IC Stop Switch Kills Doors On Non Emergency Modes" parameter under Door Parameters section.</p> <p>Added the "Bypass In Car Stop when the car is on Fire Recall" parameter under Fire Parameters section.</p> <p>Added the "Brake Double Pick Time" parameter under the Brake Parameters section.</p> <p>Updated parameter 01-0019's name.</p> |
| July 30, 2024 | 4.4 | Reviewed the description for the "Fire Stop Switch Kills DR Operator" parameter. |
| June 17, 2024 | 4.3 | Replaced "S-curve" with "Digital S-curve Technology™ (U.S. Patent Pending)". |
| May 27, 2024 | 4.2 | Added the "Keep Regen Output Active" parameter under the Miscellaneous Parameters section. |
| February 5, 2024 | 4.1 | <p>Updated Document name to "C4 & HYDRO:EVOLVED PARAMETER LIST"</p> <p>Updated Document Presentation.</p> <p>Added the Custom Mode Parameters section.</p> <p>Introduced additional parameters.</p> <p>Reviewed existing parameters.</p> |
| October 25, 2021 | 4.0 | <p>Added additional parameters.</p> <p>Removed Inspection Mode Parameters section.</p> |

| Date | Version | Summary of Changes |
|-------------------|---------|---|
| November 4, 2020 | 3.0 | Changed how document was written from the type of adjustment to parameters that pertain to certain topics. Added additional parameters. Added additional tables. Added Min Value column to all tables. |
| December 30, 2019 | 2.0 | Changed cover page. New document formatting. Added parameters to all sections. Moved conversion chart to the new Appendix section. |
| March 28, 2019 | 1.0 | Initial Release |

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1 Adjust Parameters

Parameters can be adjusted within a decimal range of 255 to 65,535. To assist with conversion, refer to the *Conversion Chart* in the Appendix to find the corresponding hexadecimal value required for the task.

2 Attendant Service Parameters

The table below lists Attendant Service parameters.

Table 1: Attendant Service Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|---|---|-----------|-----------|---------------|
| 01-0104 | Attendant Direction With CCB | Pressing a car call button assigns direction when on Attendant Service. This can be used instead of dedicated UP and DOWN direction buttons on the COP panel. | 0 | 1 | 0 |
| 01-0303 | Attendant Service Use Only Swing Mask | If enabled, the car will only serve the hall calls matching the swing mask in the attendant mode | 0 | 1 | 0 |
| 01-0338 | Attendant Service Use Swing and Normal Mask | If enabled, the car will serve the normal and swing hall calls on the attendant mode (param overridden by 01-303) | 0 | 1 | 0 |
| 01-0352 | Attendant Byp. Security | Ignores car call security when on Attendant service | 0 | 1 | 0 |

3 Battery Back-Up/Emergency Power Parameters

The table below lists the Battery Back-Up/Emergency Power parameters.

Table 2: Battery Back-Up/Emergency Power Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|------------------------|---|-----------|-----------|---------------|
| 01-0127 | DISA E-Power | When set to ON, the car will ignore emergency power commands. | 0 | 1 | 0 |
| 01-0157 | ENA RegenOnEP | When set ON, enables the regen when the car is running on emergency power. By default, when set to OFF, the DBR will used instead of the regen when running on emergency power. | 0 | 1 | config |
| 01-0166 | EPWR Pretransfer Stall | When set to ON, if the emergency power Pretransfer input is active, cars stop in a faulted state wherever they are. When set to OFF, cars move to the nearest landing and go out of service with the door open. This option is used when system is wired to use | 0 | 1 | 0 |

| | | | | | |
|----------------|---------------------------------------|---|---|-----|--------|
| | | Pretransfer input to delay cars both at the transfer into and out of emergency power. | | | |
| 01-0295 | Auto Rescue Close Doors | After Auto Rescue recall completes, close the doors after 15s. | 0 | 1 | 0 |
| 01-0299 | AutoRescue Close Doors FireOnly | Used with AutoRescue_Close_Doors_on_Fire (01-0295), limited door closure to Fire Phase 1 and Phase 2. Mandatory starting A17.1 2007, also for California (E-10-01). If disabled, close the doors for all modes, still meeting A17.1 | 0 | 1 | 0 |
| 01-0300 | AutoRescue WaitCCtoMove CloseonFF2Off | AutoRescue WaitCCtoMove CloseonFF2Off | 0 | 1 | 0 |
| 01-0312 | Allow Inspection Movement on EP | Allow car movement while a car is on Inspection during E-Power. | 0 | 1 | 0 |
| 01-0347 | Epower Car Active On Inspection | When enabled, the car on inspection is supposed online and counted as on normal mode from the budget of Epower. | 0 | 1 | 0 |
| 08-0129 | Epower Priority Car | Sets the first car selected when on emergency power and the Auto Select input is active. NOTE: In Canada this is the fire car. Set to the index of the intended car. | 0 | 7 | 0 |
| 08-0144 | AccelDelay Rescue (100ms) | Sets the start of run delay between energizing the motor and commanding nonzero speed. This timer is used when on automatic Battery Rescue operation. This time is set in 100 millisecond counts. | 0 | 255 | 30 |
| 08-0145 | Group Priority | Selects which group has priority during an Emergency Power event and organizes cars accordingly. | 0 | 8 | 0 |
| 08-0186 | NumEPCars | Sets the number of cars allowed to run during Emergency Power operation | 1 | 8 | 1 |
| 08-0230 | Maximum EP Group Cars | Maximum number of cars that can run in all interconnected groups during Emergency Power operation. | 0 | 255 | config |
| 08-0232 | Idle Time Before Recall | Epower Privileged Car Idle Time Before Recall - Minutes | 0 | 3 | 2 |
| 08-0264 | Rec Trv Dir Timeout 50ms | If the drive exceeds this timeout without giving any output to c4 controller about the recommended | 0 | 255 | 220 |

travel direction on battery rescue mode of operation, the car will go to the nearest floor.

4 Brake Parameters

The table below lists the Brake parameters.

Table 3: Brake Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|-----------------------------|--|-----------|-----------|---------------|
| 01-0035 | EBrake On OVSP | Enables dropping of the emergency brake for general overspeed faults. Enables the Latching General Overspeed fault (F65). | 0 | 1 | 0 |
| 01-0044 | DISA Brake Faults | Disables brake faults. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0052 | TestUnintendedMovement | When set to ON with MR board DIP 8B also on, the car is ready for unintended movement testing. The secondary brake and B2 contactor automatically pick when this feature is activated and will remain picked until unintended movement is detected. While this mode is active, manually picking the B1 contactor commands the primary brake to pick. | 0 | 1 | 0 |
| 01-0054 | Primary BPS NC | Changes the main brake's BPS input from a normally open to a normally closed contact | 0 | 1 | 1 |
| 01-0055 | Secondary BPS NC | Changes the secondary brake's BPS input from a normally open to a normally closed contact | 0 | 1 | 1 |
| 01-0059 | ENA Secondary Brake | Enables use of a secondary brake instead of a rope gripper | 0 | 1 | config |
| 01-0101 | BPS Stuck High Drops EBrake | When set to ON, BPS stuck high fault drops Ebrake | 0 | 1 | 0 |
| 01-0111 | DISA BPS StopSeq | Disables primary BPS check during the motion stop sequence. This parameter is set via SETUP BRAKE SETUP PRIMARY SETUP BPS - STOP SEQ. | 0 | 1 | 1 |
| 01-0112 | DISA BPS Stuck Active | Disables primary BPS stuck picked check. This parameter is set via SETUP BRAKE SETUP PRIMARY SETUP BPS - STUCK ACTIVE. | 0 | 1 | 0 |
| 01-0113 | DISA BPS Stuck Inactive | Disables primary BPS stuck dropped check. This parameter is set via SETUP BRAKE SETUP | 0 | 1 | 0 |

| | | | | | |
|---------|--|---|---|---|--------|
| | | PRIMARY SETUP BPS - STUCK INACTIVE. | | | |
| 01-0117 | DISA Brake Overheat | When set to ON, brake overheat faults are suppressed. | 0 | 1 | 0 |
| 01-0158 | EBrake on ETS/ETSL | When set to ON, ETS and ETSL faults cause the rope gripper to drop. | 0 | 1 | 0 |
| 01-0162 | DISA BPS2 Stuck Active | Disables secondary BPS stuck picked check. This parameter is set via SETUP BRAKE SETUP SECONDARY SETUP BPS - STUCK ACTIVE. | 0 | 1 | 0 |
| 01-0163 | DISA BPS2 Stuck Inactive | Disables secondary BPS stuck dropped check. This parameter is set via SETUP BRAKE SETUP SECONDARY SETUP BPS - STUCK INACTIVE. | 0 | 1 | 0 |
| 01-0170 | DISA Latching Brake Flt | When set to ON, primary and secondary brake's MOSFET fault is not latching. When set to OFF, the faults require resetting the MR board (F199 and F210). | 0 | 1 | 0 |
| 01-0180 | B Cont. NC | When set to ON, both primary and secondary B contactor inputs (MBC and MB2C) are normally closed | 0 | 1 | 1 |
| 01-0212 | ENA Brake V2 | When set ON, brake network (MR SRU BN+/-) communication will be 125K baud CAN bus. When set to OFF, communication will be 25K baud. Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 1 | config |
| 01-0334 | Enable 2nd primary brake | When set to ON, it enables second primary brake board when the secondary brake is disabled | 0 | 1 | 0 |
| 01-0335 | Enable BPS Stuck Low Fault While Running | When set to ON, the car will go to the next available landing and asserts fault BPS Stuck Low. When set to Off, the car will be faulted only when reaching the destination floor | 0 | 1 | 0 |
| 01-0336 | BPS Stuck Low Drops EBrake | When set to ON, BPS stuck low fault drops Ebrake (01-335 is a must). | 0 | 1 | 0 |
| 01-0368 | Enable Rope Gripper Brake Board | When enabled, the emergency brake (rope gripper) is controlled by brake board | 0 | 1 | 0 |

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|----------------|--------------------------------------|---|----|-----|--------|
| 01-0378 | Brake Double Pick Time | When enabled the pick time is sent in 20 ms unit not 10 ms so doubling the time | 0 | 1 | 0 |
| 08-0099 | Brake Pick Voltage | Sets the primary brake's DC pick voltage | 30 | 255 | config |
| 08-0100 | Brake Hold Voltage | Sets the primary brake's DC hold voltage | 30 | 255 | config |
| 08-0101 | Brake Ramp Time Auto | Sets the time it takes the primary brake to ramp up to pick voltage while in automatic operation. Units are in 10 ms counts. | 0 | 255 | 20 |
| 08-0102 | Brake Pick Delay | Sets the time the primary brake maintains the pick voltage. Units are in 10 ms counts. | 0 | 255 | 150 |
| 08-0103 | Brake Relevel Voltage | Sets the primary brake's DC releveling voltage | 0 | 255 | config |
| 08-0104 | Secondary Brake Pick Voltage | Sets the secondary brake's DC pick voltage | 0 | 255 | config |
| 08-0105 | Secondary Brake Hold Voltage | Sets the secondary brake's DC hold voltage | 0 | 255 | config |
| 08-0106 | Secondary Brake Ramp Time | Sets the time it takes the secondary brake to ramp up to pick voltage. Units are in 10 ms counts. | 0 | 255 | 20 |
| 08-0107 | Secondary Brake Pick Delay | Sets the time the secondary brake maintains the pick voltage. Units are in 10 ms counts. | 0 | 255 | 150 |
| 08-0108 | Secondary Brake Relevel Voltage | Sets the secondary brake's DC releveling voltage | 0 | 255 | config |
| 08-0109 | Brake Ramp Time Inspection | Sets the time it takes the primary brake to ramp up to pick voltage while in inspection operation. Units are in 10 ms counts. | 0 | 255 | 20 |
| 08-0126 | Resend Brake Timer | Sets the minimum send rate of packets sent to brake boards. Units are in 5 ms counts. | 30 | 150 | 50 |
| 08-0149 | BPS Timeout (100ms) | Sets the timeout for primary BPS stuck active and stuck inactive faults (F189/F190). Minimum of 3 seconds. | 0 | 255 | 0 |
| 08-0150 | BPS2 Timeout (100ms) | Sets the timeout for secondary BPS stuck active and stuck inactive faults (F256/F257). Minimum of 3 seconds. | 0 | 255 | 0 |
| 08-0244 | Brake Delay Primary 2 Secondary Pick | Delay between Pick of Primary Brake to Pick of Secondary (Emergency) Brake Pick. | 0 | 255 | 0 |

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|----------------|--------------------------|---|---|-------|-----|
| 08-0246 | Ext EBrake Drop 1m | Alternative method for configuring how long after a run the emergency brake drops. This value is set in minutes. When set to 255, the EBrake will be kept picked constantly unless the car is faulted. When set to 0, this option is suppressed and parameters EBrakeDropDelay_Auto_1ms (16-0891) and EBrakeDropDelay_Insp_1ms (16-0892) are used instead. https://dev.azure.com/smartrise-us/C4%20Development/_workitems/edit/1923/ | 0 | 5 | 0 |
| 08-0247 | BrakePickDelayRLVL 10ms | Sets the start of run delay between picking the B2 contactor and picking the primary brake when starting a releveling run. For rope gripper jobs, this is the delay between commanding zero speed and picking the brake. This timer is set in 10 millisecond counts. | 0 | 255 | 10 |
| 08-0249 | BrakeRampTimeRLVL 10ms | Sets the time it takes the primary brake to ramp up to pick voltage while performing a releveling run. This timer is set in 10 millisecond counts. | 0 | 255 | 20 |
| 08-0250 | Brake2RampTimeRLVL 10ms | Sets the time it takes the secondary brake to ramp up to pick voltage while performing a releveling run. This timer is set in 10 millisecond counts. | 0 | 255 | 20 |
| 16-0880 | BrakePickDelay Insp (ms) | Sets the start of run delay between picking the B2 contactor and picking the primary brake while on inspection. For rope gripper jobs, this is the delay between commanding zero speed and picking the brake. | 0 | 65535 | 100 |
| 16-0881 | BrakePickDelay Auto (ms) | Sets the start of run delay between picking the B2 contactor and picking the primary brake while on automatic operation. For rope gripper jobs, this is the delay between commanding zero speed and picking the brake. | 0 | 65535 | 100 |
| 16-0882 | AccelDelay Auto (ms) | Sets the start of run delay between energizing the motor and commanding nonzero speed. This timer is used when on all automatic | 0 | 65535 | 400 |

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|----------------|------------------------------|---|------|-------|------|
| | | operation modes except Battery Rescue. This timer is set in millisecond counts. | | | |
| 16-0883 | AccelDelay Insp (ms) | Sets the start of run delay between energizing the motor and commanding nonzero speed. This timer is used when on inspection mode. This timer is set in millisecond counts. | 0 | 65535 | 400 |
| 16-0885 | BrakeDropDelay Auto (ms) | Sets the stop sequence delay between reaching zero speed and dropping the primary brake while on automatic operation | 0 | 3000 | 0 |
| 16-0886 | BrakeDropDelay Insp (ms) | Sets the stop sequence delay between reaching zero speed and dropping the primary brake while on inspection operation | 0 | 3000 | 0 |
| 16-0887 | DriveDropDelay Auto (ms) | Sets the stop sequence delay between checking BPS and dropping drive control while on automatic operation. | 0 | 65535 | 1200 |
| 16-0888 | DriveDropDelay Insp (ms) | Sets the stop sequence delay between checking BPS and dropping drive control while on inspection operation | 0 | 65535 | 900 |
| 16-0889 | MotorDropDelay Auto (ms) | Sets the stop sequence delay between dropping drive control and dropping the M contactor while on automatic operation. | 0 | 65535 | 500 |
| 16-0890 | MotorDropDelay Insp (ms) | Sets the stop sequence delay between dropping drive control and dropping the M contactor while on inspection operation. | 0 | 65535 | 500 |
| 16-0891 | EBrakeDropDelay Auto (ms) | Sets the stop sequence delay between reaching zero speed and dropping the secondary brake while on automatic operation | 1000 | 65535 | 1000 |
| 16-0892 | EBrakeDropDelay Insp (ms) | Sets the stop sequence delay between reaching zero speed and dropping the secondary brake while on inspection operation | 0 | 65535 | 0 |
| 16-0893 | B2DropDelay Auto (ms) | Sets the stop sequence delay between dropping the secondary brake and dropping the B2 contactor while on automatic operation | 0 | 65535 | 500 |
| 16-0894 | B2DropDelay Insp (ms) | Sets the stop sequence delay between dropping the secondary brake and dropping the B2 | 0 | 65535 | 500 |

contactor while on inspection
operation

5 Car Call and Hall Call Parameters

The table below lists the Car Call and Hall Call parameters.

Table 4: Car Call and Hall Call Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|--|--|-----------|-----------|---------------|
| 01-0056 | Auto Runs Terminal To Terminal R | Enables automatic rear car call runs between terminal floors when on Enter Car Calls menu on the MR board display. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0074 | Auto Runs Terminal To Terminal F | Enables automatic front car call runs between terminal floors when on Enter Car Calls menu on the MR board display. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0090 | CustomMode IgnoredCar Call F | Configure custom mode to ignore front car calls during test | 0 | 1 | 0 |
| 01-0091 | CustomMode IgnoredCar Call R | Configure custom mode to ignore rear car calls during test | 0 | 1 | 0 |
| 01-0092 | CustomMode IgnoreHall Call | Configure custom mode to ignore hall car calls during test | 0 | 1 | 0 |
| 01-0106 | CC Acknowledge | When set to ON, whenever a car call is placed, the CC Acknowledge output will be triggered. This is used in Canada for blind people. | 0 | 1 | 0 |
| 01-0114 | Random Hall Runs | Enables automatic hall call runs to random destinations when on the Enter Hall Calls menu on the MR board. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0160 | Car To Lobby Express | When the Car to Lobby input is asserted, the car stops answering hall calls. This parameter determines how it handles car calls. If this parameter is ON, the controller continues responding to car calls until none are left. The car then returns to the lobby. If this parameter is OFF, the car | 0 | 1 | 0 |

| | | | | | |
|----------------|---|---|---|---|---|
| | | cancels any existing car calls and returns to the lobby floor immediately. | | | |
| 01-0188 | En. Clear Car Call | When set to ON, pressing the DC button and a latched car call button at the same time cancels the car call | 0 | 1 | 0 |
| 01-0191 | Suppress Reopen OnGSW | When set to ON, reopening to hall calls are suppressed when the doors have already opened at a level, both GSW signals are made, and there is demand | 0 | 1 | 1 |
| 01-0194 | ENA Never Drop Hall Calls | When set to ON, the car always maintains its HML (latchable hall call mask), even when the car is in a mode of operation that does not support hall calls. | 0 | 1 | 0 |
| 01-0232 | AN CtrReverse DirCC | When set to ON, car will clear out car calls entered in a direction opposite the car's current movement direction. | 0 | 1 | 0 |
| 01-0245 | Run Random Runs F | Enables automatic front car call runs to random destinations when on the Enter Car Calls menu on the MR board. If on the Enter Hall Calls menu, the car enters hall calls to random floors. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0274 | ENA CAN OVF RST | When set to OFF, the CAN1 bus buffer will not be cleared when it is filled. When set to ON, the CAN1 bus buffer will clear when filled. | 0 | 1 | 0 |
| 01-0305 | Non-selective HC mode | When set to ON, enables "non-selective", single-button hall calls. All hall calls should be wired as down calls. | 0 | 1 | 0 |
| 01-0306 | Non collective mode | When set to ON, enables "non-collective" hall calls. Once a hall call is latched, additional hall calls cannot be entered until car completes current demand. | 0 | 1 | 0 |
| 01-0308 | Latch single CCs on non - collective mode | When set to ON, only one CC is allowed to be latched on non-collective mode | 0 | 1 | 0 |
| 01-0323 | Ignore Calls When Car Not | Ignore HC/CC on main recall floor when the car is not empty and in normal mode | 0 | 1 | 0 |

| | | | | | |
|----------------|--|--|---|-----|----|
| | Empty on Main Floor | | | | |
| 01-0325 | Enable Single CC on VIP | Enable single CC when VIP mode services car calls | 0 | 1 | 0 |
| 01-0324 | Ignore Calls When Car Not Empty on Alt Floor | Ignore HC/CC on alternate recall floor when the car is not empty and in normal mode | 0 | 1 | 0 |
| 01-0388 | Enable CC Cancel DR Dwell Time | When enabled, if the door is opened, issuing a car call will override the door dwell time and immediately prioritize serving the call. | 0 | 1 | 0 |
| 08-0050 | CC Dir. Change (50ms) | Sets the car call direction change delay. This delays the direction change after answering a car call to allow time for hall call assignment. Units are in 50 ms counts. | 0 | 255 | 10 |
| 08-0134 | VIP_HC_Transition Delay_50ms | Sets the time between when a VIP car arrives at the VIP HC floor with its doors fully open, and when the car can begin taking CCs. This timer may need to be extended for jobsites where the VIP HC does not appear to clear. 50ms counts. | 0 | 255 | 20 |
| 08-0166 | Attendant Buzzer Duration | Specifies how long to sound the buzzer to alert the attendant that a hall call was pressed. Units are in 100 ms counts. | 0 | 255 | 0 |
| 08-0189 | Dir. Change Delay (1s) | Sets the time to delay car direction changes. Allows time for passengers to enter their car calls. Units are in 1 second counts. | 0 | 30 | 3 |
| 08-0204 | Max Car Calls Per 250lb | Sets the max number of car calls that can be latched for every 250 lbs of in car weight. If this limit is exceeded, all car calls are cleared as an anti-nuisance measure. If set to zero, this feature is disabled. | 0 | 255 | 0 |
| 08-0223 | Max Car Calls Light Load | Number of Car Calls latched. In Light Load, if this limit is exceeded, all car calls are cleared as an anti-nuisance measure. If set to zero, this feature is disabled. | 0 | 255 | 0 |

| | | | | | |
|----------------|------------------------------|--|---|-----|----|
| 08-0242 | Vip Idle Time 1s | Sets the time while on VIP from when the car completes all car calls to servicing VIP Hall Calls. | 0 | 255 | 10 |
| 08-0269 | Delay Between Calls Sec | A delay before servicing latched Car Calls and Hall Calls. This was requested by a job where the Doors do not automatically open, and user needs to activate the DOB button. | 0 | 255 | 0 |
| 08-0271 | Car Call Enable Delay Sec | Delay time between car call button and car call enable security key switch. In Seconds | 0 | 255 | 0 |

6 Custom Mode Parameters

The table below lists the Custom Mode parameters.

Table 5: Custom Mode Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|--|---|-----------|-----------|---------------|
| 01-0340 | Clear HC After Timeout On Custom Mode | When enabled, The HC of the current floor on custom mode with Auto door open disabled will clear the HC after (08-269) if the door remains closed | 0 | 1 | 0 |
| 01-0345 | DOB Momentarily OnCustomMo de | The DCB is only constant pressure when 01-0096 is ON on custom mode while DOB is momentarily. | 0 | 1 | 0 |

7 Comm Port Parameters

The table below lists the Comm Port parameters.

Table 6: Comm Port Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|------------------------------|---|-----------|-----------|---------------|
| 01-0047 | Transmit Run Log | Enables transmission of run logs to the group network. UNUSED | 0 | 1 | 0 |
| 01-0053 | ENA Emergency Dispatch | When set to ON, triggering communication loss on any Riser board's hall network causes the car to move into Sabbath mode until communication is restored. | 0 | 1 | 0 |
| 01-0135 | ENA CPLD Offline | When set to ON, communication from system CPLDs are monitored for timeout. The timeout will be determined by parameter 08-173. | 0 | 1 | 0 |
| 01-0156 | ENA DuparCOP | Enables communication with Dupar COP. | 0 | 1 | config |

| | | | | | |
|----------------|------------------------|---|---|-----|--------|
| 01-0164 | ENA Janus RS Fixture | "Enables Janus RS485 fixtures on CT/COP boards. Requires system power cycle after changing to clear the ""Need To Cycle Pwr"" fault (F83/F717/F718)." | 0 | 1 | config |
| 01-0201 | ENA CPLD V3 | When set to ON, the uses hardware with CPLD v3_X software. When set to OFF, it uses hardware with CPLD v1_x software. System must be power cycled after changing this value. | 0 | 1 | config |
| 01-0204 | ENA DL20 CT | "When set to ON, communication to DL-20 fixtures from the CT board is supported. Priority given to Janus emotive fixtures option (01-164). Requires system power cycle after changing to clear the ""Need To Cycle Pwr"" fault (F83/F717/F718)." | 0 | 1 | config |
| 01-0205 | Enable DL20 COP | "When set to ON, communication to DL-20 fixtures from the COP board is supported. Priority given to Janus emotive fixtures option (01-164). Requires system power cycle after changing to clear the ""Need To Cycle Pwr"" fault (F83/F717/F718)." | 0 | 1 | config |
| 01-0210 | ENA EX51 CT | When set to ON, communication to EX-51 fixtures from CT board is supported. Priority given to Janus emotive fixtures option (01-164). | 0 | 1 | config |
| 01-0211 | ENA EX51 COP | When set to ON, communication to EX-51 fixtures from the COP board is supported. Priority given to Janus emotive fixtures option (01-164). | 0 | 1 | config |
| 01-0240 | DISA CAM ON HA | When set to ON, disables the CAM output for the configured opening when performing a hoistway access top run or hoistway access bottom run. | 0 | 1 | 0 |
| 01-0285 | Group Redundancy Check | When set to ON, the controller will check if any communicating Riser Board has been offline for more than 10 seconds, in which it will then assert the Group Redundancy Output. Used for jobs that require Group Redundancy. | 0 | 1 | 0 |
| 08-0171 | Debug KEB Baud Rate | "This is a test parameter for adjusting the rate of | 0 | 255 | 0 |

communication with KEB drives. If changes, the corresponding adjustment must also be made on the drive.
 Allowed values: 0 = 115.2 kbps1 = 9.6 kbps2 = 19.2 kbps3 = 38.4 kbps4 = 55.5 kbps"

8 COP Board Parameters

The table below lists the COP Board parameters.

Table 7: COP Board Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|--------------------------------|----------------|---|-----------|-----------|---------------|
| 16-0024 through 16-0039 | COP IN (1-16) | Set the COP board input terminal (1-16) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0416 through 16-0431 | COP OUT (1-16) | Set the COP board output terminal (1-16) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

9 CT Board Parameters

The table below lists the CT Board parameters.

Table 8: CT Board Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|--------------------------------|---------------|--|-----------|-----------|---------------|
| 16-0008 through 16-0023 | CT IN (1-16) | Set the CT board input terminal (1-16) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0400 through 16-0415 | CT OUT (1-16) | Set the CT board output terminal (1-16) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

10 DAD Parameters

The table below lists the DAD parameters.

Table 9: DAD Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|-----------------------|---|-----------|-----------|---------------|
| 01-0235 | Disable Virtual Input | When set to ON, virtual inputs from the DAD unit are ignored. | 0 | 1 | 0 |
| 01-0244 | ENA DAD Flt Resend | When set to ON, enables minimum resend of fault and alarm packets sent to the DAD unit. Should be turned OFF for some job sites running older DAD software with a bug causing multiple instances of the same fault/alarm event to appear in the logs. | 0 | 1 | 1 |

11 Discrete Hall Lantern Parameters

The table below lists the Discrete Hall Lantern parameters.

Table 10: Discrete Hall Lantern Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|-----------------------------|--|-----------|-----------|---------------|
| 01-0175 | Arv Lantern DR 1 | When set to ON, set 1 of discrete arrival lantern outputs are for rear arrival. Set with 08-0197. | 0 | 1 | 0 |
| 01-0176 | Arv Lantern DR 2 | When set to ON, set 2 of discrete arrival lantern outputs are for rear arrival. Set with 08-0198. | 0 | 1 | 0 |
| 01-0177 | Arv Lantern DR 3 | When set to ON, set 3 of discrete arrival lantern outputs are for rear arrival. Set with 08-0199. | 0 | 1 | 0 |
| 01-0178 | Arv Lantern DR 4 | When set to ON, set 4 of discrete arrival lantern outputs are for rear arrival. Set with 08-0200. | 0 | 1 | 0 |
| 01-0179 | Arv Lantern DR 5 | When set to ON, set 5 of discrete arrival lantern outputs are for rear arrival. Set with 08-0201. | 0 | 1 | 0 |
| 08-0168 | Arrival Lantern Update Time | Sets the time before arriving at a floor to update arrival lantern outputs. If set to zero, arrival outputs update when doors begin to open. Units are in seconds. | 0 | 10 | 3 |
| 08-0197 | Arv Lantern FLR 1 | Specifies the floor index for set 1 of discrete arrival lantern outputs. Set with 01-0175. | 0 | 255 | 0 |
| 08-0198 | Arv Lantern FLR 2 | Specifies the floor index for set 2 of discrete arrival lantern outputs. Set with 01-0176. | 0 | 255 | 0 |

| | | | | | |
|----------------|----------------------|---|---|-----|--------|
| 08-0199 | Arv Lantern FLR 3 | Specifies the floor index for set 3 of discrete arrival lantern outputs. Set with 01-0177. | 0 | 255 | 0 |
| 08-0200 | Arv Lantern FLR 4 | Specifies the floor index for set 4 of discrete arrival lantern outputs. Set with 01-0178. | 0 | 255 | 0 |
| 08-0201 | Arv Lantern FLR 5 | Specifies the floor index for set 5 of discrete arrival lantern outputs. Set with 01-0179. | 0 | 255 | 0 |
| 08-0213 | Hall Lantern Mask | Sets which hall lantern function groups are active. Each bit represents a different Hall board function. Power must be cycled to the MR SRU after setting this parameter to enable the feature. | 0 | 255 | config |
| 08-0214 | Rear Lantern Mask | Sets which hall lantern function groups are used for rear lanterns. Each bit represents a different Hall board function. | 0 | 255 | config |

12 Door Parameters

The table below lists the Door parameters.

Table 11: Door Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|-----------------------|---|-----------|-----------|---------------|
| 01-0033 | ENA Rear Doors | Enables rear doors if DIP 2B is turned on for the Machine Room (MR), Car Top (CT), and Car Operating Panel (COP) boards. Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 1 | config |
| 01-0041 | ENA Releveling | Enables releveling when car is in door zone but outside the configured releveling zone (08-158) | 0 | 1 | 1 |
| 01-0045 | DZ Stuck High Test | Testing of DZ stuck high software solution. When ON, checks CTA for position rather than MRA. | 0 | 1 | 1 |
| 01-0048 | ENA Freight Doors | Enable freight doors. Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 1 | 0 |
| 01-0049 | ENA FDR DCM | Enable freight doors fast close. UNUSED | 0 | 1 | 0 |
| 01-0050 | ENA FDR Auto Close | Enable freight doors auto close. UNUSED | 0 | 1 | 0 |

| | | | | | |
|----------------|-----------------------------------|---|---|---|---|
| 01-0076 | DR DC On Run | Activates door close output when in motion. | 0 | 1 | 0 |
| 01-0079 | OOS Rear Opening | Sets which door to open when recalled on out-of-service mode. Uses the rear door when set to ON. | 0 | 1 | 0 |
| 01-0081 | OOS SetDR Open | Keeps door open when at floor in out of service mode. | 0 | 1 | 0 |
| 01-0084 | Locks Jumped On DOL | When set to ON, detects jumper on open DOL instead of GSW. | 0 | 1 | 0 |
| 01-0088 | CustomMode AllowedOutsideDR Zone | Configure custom mode to allow outside door zone during test | 0 | 1 | 0 |
| 01-0093 | CustomMode AutoDR Open | Configure custom mode to automatically open the door during test. | 0 | 1 | 0 |
| 01-0094 | CustomMode DR Hold | Configure custom mode to hold the door during test. | 0 | 1 | 0 |
| 01-0095 | CustomMode IgnoreDCB | Configure custom mode to ignore door close buttons during test. | 0 | 1 | 0 |
| 01-0096 | CustomMode ForceDoorsOpenOrClosed | Configure custom mode to allow for forcibly open or close doors during test. | 0 | 1 | 0 |
| 01-0108 | DR DC On Closed State | Activates door close output while doors are in a closed state. This parameter is set via SETUP DOOR SETUP DC ON CLOSE. | 0 | 1 | 0 |
| 01-0109 | DR DO On Opened State | Activates door open output while doors are in a open state. This parameter is set via SETUP DOOR SETUP DO ON OPEN. | 0 | 1 | 0 |
| 01-0115 | CT ST SW Kills Doors | When set to ON, door outputs are suppressed when the Car Top Stop switch is active. | 0 | 1 | 0 |
| 01-0118 | DISA DoorsOnHA | When set to ON, door outputs on hoistway access inspection are suppressed. | 0 | 1 | 0 |
| 01-0120 | ENA AT400 DR | When set to ON, doors are configured for AT400 door operators. Both DC and NDG outputs are active for door close. DC is active, and NDG is inactive for door nudge. | 0 | 1 | 0 |
| 01-0132 | ParkingWithDR Open | "When set to ON, the door, based on 1-313 (On = rear / Off = front), is held open when the car is | 0 | 1 | 0 |
| 01-0134 | NoDemandDoorsOpen | When set to ON, car doors are held open when the car is idle. | 0 | 1 | 0 |

| | | | | | |
|----------------|-----------------------------|---|---|---|--------|
| 01-0151 | ENA Insp DO Out Of DZ | Enables opening doors while outside of a door zone during inspection | 0 | 1 | 0 |
| 01-0159 | ENA Open Doors Alarm | Enables a system alarm signalling when gate switch and locks are open during a run (A629) | 0 | 1 | 0 |
| 01-0165 | Learn Opening Time | When set to ON, if preflight is disabled (01-64), the car records the door opening time of its next run then stores it for use when preflight is enabled (08-187). | 0 | 1 | 0 |
| 01-0189 | ENA Dual PHE Test | Enables Dual PHE testing for freight doors | 0 | 1 | 0 |
| 01-0193 | ENA Passing Lobby DO | When set to ON, forces the car to stop and open its doors every time it passes the lobby floor. The lobby floor is the main fire recall floor. | 0 | 1 | 0 |
| 01-0207 | Door Retiring CAM | When set to ON, the CAM output controls hall interlocks. Otherwise, interlocks are controlled by the door operator. It is set to 0 when Mechanical retiring CAM is used instead of electrical CAM. | 0 | 1 | config |
| 01-0208 | Fixed Hall CAM | When set to ON, the door has a fixed hall CAM. The car is allowed to start a run without hall locks (hall closed contacts still required). The car is allowed to move up to 2 feet without locks before faulting. | 0 | 1 | config |
| 01-0209 | Hall Closed Req for CAM | When set to ON, CAM does not energize if any hall door is open | 0 | 1 | config |
| 01-0222 | Freight Test PHE | When set ON, if either door is set to Freight (08-0012 or 08-0013 set to 1) door requires photoeye testing prior to closing doors. When set to OFF and for non-freight doors, this check is bypassed. This feature is required for Peelle door operators. | 0 | 1 | config |
| 01-0237 | DISA_DoorJumperCheck | When set to ON, door jumper check will be disabled. This should be turned OFF to enable Door Lock Monitoring. | 0 | 1 | 0 |
| 01-0238 | Nudge Without Onward Demand | When set to ON, the doors will begin to nudge (and the buzzer will fire if enabled) after a set time if the PHE is triggered and there is | 0 | 1 | config |

| | | | | | |
|----------------|--------------------------|--|---|---|--------|
| | | no command to move. Also, if the user would like the buzzer to fire whenever Nudge is commanded (even if there is no demand to move), turn this parameter ON. | | | |
| 01-0241 | Disable Rear DOB | When set to ON, the rear DOB button is disabled. | 0 | 1 | 0 |
| 01-0255 | DO OnArrivalOnly | For FRONT Doors - When set to ON, the Door Open output is activated on initial arrival at a landing. Once initial opening is complete, all open and close functions are done by DOB/DCB signals wired directly to the door operator. Set to ON for door operators from the company EMS, Courion, or Peelle (wired type). This parameter does not relate to the EMS (emergency medical service) mode of operation. Set this parameter if there is no PHE input defined for the door. | 0 | 1 | config |
| 01-0256 | InfiniteDwellTime | For FRONT Doors - When set to ON, configured dwell time is bypassed and doors will remain open. Used for swing/freight doors where door control is handled by the door operator. (i.e. courion door operator or Peelle wired door operator). | 0 | 1 | config |
| 01-0264 | DISA DCB ON NORMAL | When set to ON, pressing the DC button while the car is on normal operation will not cancel the door dwell time. | 0 | 1 | 0 |
| 01-0265 | DISA CLOSED CONTACTS DOB | When set to OFF, if a closed contact is open the car will see this as a DOB press. When set to ON this reopening behavior is suppressed. This is required for the Peelle door operator which expects the car's DC command when the closed contacts are open. | 0 | 1 | config |
| 01-0276 | DO on Arrival Only R | For REAR Doors - When set to ON, the Door Open output is activated on initial arrival at a landing. Once initial opening is complete, all open and close functions are done by DOB/DCB signals wired directly to the door | 0 | 1 | config |

| | | | | | |
|----------------|--|---|---|---|--------|
| | | operator. Set to ON for door operators from the company EMS, Courion, or Peelle (wired type). This parameter does not relate to the EMS (emergency medical service) mode of operation | | | |
| 01-0277 | InfiniteDwellTime R | For REAR Doors - When set to ON, configured dwell time is bypassed and doors will remain open. Used for swing/freight doors where door control is handled by the door operator. (i.e. courion door operator or Peelle wired door operator). | 0 | 1 | config |
| 01-0279 | JumperOnGSW_DOL | When set to ON, jumper on gateswitch faults (F98 and F107) are triggered when the gateswitch input indicates doors are closed, but the door open limit input indicates the doors are open. When set to OFF, these faults are triggered when the gateswitch input indicates the doors are open, but the door close limit input indicates the doors are open. | 0 | 1 | 0 |
| 01-0288 | Disable Freight Door Buzzer for DO Modes | When set on, disables the Freight Door Buzzer for Modes that Open the doors with zero dwell time. This does not disable the buzzer if the doors open with a Dwell time active or if the buzzer is needed during door closing. | 0 | 1 | 0 |
| 01-0294 | Automatic Freight Hall Door | Set when an automatic hall freight door is being used. | 0 | 1 | 0 |
| 01-0313 | Parking Opens Rear Door | When set to ON, the rear door opens when the car reaches the parking floor | 0 | 1 | 0 |
| 01-316 | Keep lights on DO | Allows the lamp to turn ON while the door is open | 0 | 1 | 1 |
| 01-328 | Active Shooter Close Doors | When set to ON, the lockdown feature is enabled on active shooter and therefore the doors stay closed and disabled on alternate floor. | 0 | 1 | 0 |
| 01-0332 | Access Dis. F Doors | When set to ON, it disables front doors to have access code. | 0 | 1 | 0 |
| 01-0333 | Access Dis. R Doors | When set to ON, it disables rear doors to have access code. | 0 | 1 | 0 |

| | | | | | |
|----------------|---|---|---|-----|--------|
| 01-0349 | CC Overrides the Door Hold Timer | When enabled, the Hold timer will cancel in case registering car call or activating door close button | 0 | 1 | 0 |
| 01-0350 | HC Buzzer Activation during Door Hold | When enabled, it triggers a buzzer if the door was on Hold and HC was entered on another floor | 0 | 1 | 0 |
| 01-0356 | Open Rear Door on VIP | When enabled, in case there is a VIP call, the system should open both the front and rear doors. | 0 | 1 | 0 |
| 01-0359 | IC Stop Switch Kills Doors On Non Emergency Modes | When enabled, the car kills the doors when ICSW is active on non emergency modes | 0 | 1 | 0 |
| 01-0383 | Constant Pressure on DCB | When set to ON, the operator shall keep pressing on the DCB to force the door to close. Exclusively on normal mode. | 0 | 1 | 0 |
| 08-0000 | DR Recall Time 1s | Sets the time the doors remain open before closing after performing a recall on Fire phase 1. See A17.1 2007 and later, 2.27.3.1.6 (n)(3). | 0 | 15 | config |
| 08-0001 | DR Dwell Time 1s | Sets the time car doors remain open when responding to car calls or open button requests. The units are in seconds. | 0 | 255 | 3 |
| 08-0002 | DR Stuck Time 1s | Sets the time limit for a door to complete an opening or closing request before faulting. The units are in seconds. | 0 | 255 | 30 |
| 08-0003 | DR Nudge Time 1s | Sets the time doors will spend trying to close before transitioning to nudging which ignores photoeye. If set to zero, nudging is disabled. The units are in seconds. | 0 | 255 | 20 |
| 08-0004 | DR Dwell Hall Time 1s | Sets the time car doors remain open when responding to hall calls. The units are in seconds. | 0 | 255 | 6 |
| 08-0005 | DR Dwell ADATime 1s | Sets the time car doors remain open when responding to ADA. The units are in seconds. | 0 | 255 | 30 |
| 08-0006 | DR Dwell Hold Time 1s | Sets the time car doors remain open when responding to door hold button requests. The units are in seconds. | 0 | 255 | 0 |

| | | | | | |
|----------------|--------------------------|--|---|-----|--------|
| 08-0007 | DR Dwell Sabbath Time 1s | Sets the time car doors remain open while in Sabbath operation. The units are in seconds. | 0 | 255 | 3 |
| 08-0008 | DR Jumper Timeout 100ms | Sets the timer for jumper on Gate switch (F98/F107) and jumper on lock (F99/F108) faults. This value is added to a minimum timeout of 1.6 seconds. The units are in 100 millisecond counts. | 0 | 255 | 0 |
| 08-0009 | FDR Contacts Timeout 1s | Sets the timeout between CAM being energized and closed contacts being made. If value is zero, timeout is set to 500 ms. The units are in seconds. | 0 | 255 | 20 |
| 08-0010 | FDR GSW Locks Timeout 1s | Sets the timeout between GSW and locks. If value is zero, timeout is set to 500 ms. The units are in seconds. | 0 | 255 | 30 |
| 08-0011 | Lobby Dwell Time 1s | If set to nonzero, overrides the hall dwell time when at the lobby floor. The lobby floor is the main fire recall floor (08-111). | 0 | 255 | 0 |
| 08-0012 | Door Type (F) | <p>Selects door type for Front doors</p> <ul style="list-style-type: none"> • 0=Automatic (used when CarDoor & HallDoor are auto) • 1= Freight (used with Freight doors, CarDoor can be manual/auto, HallDoor must be manual) • 2=Manual (used when both doors are manual) • 3=Swing (used when HallDoor is Swing & CarDoor auto) <p>Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718).</p> | 0 | 255 | config |
| 08-0013 | Door Type (R) | <p>Selects door type for Rear doors</p> <ul style="list-style-type: none"> • 0=Automatic (used when CarDoor & HallDoor are auto) • 1= Freight (used with Freight doors, CarDoor can be manual/auto, HallDoor must be manual) • 2=Manual (used when both doors are manual) • 3=Swing (used when HallDoor is Swing & CarDoor auto) <p>Requires system power cycle after changing to clear the "Need</p> | 0 | 255 | config |

| | | To Cycle Pwr" fault (F83/F717/F718). | | | |
|----------------|-------------------------------------|---|---|-----|----|
| 08-0014 | Door Close Buzzer 100ms | Sets the amount of time before doors begin to close that the door close buzzer will be turned ON. There is one buzzer output per door. This buzzer output remains on until doors are fully closed. This feature is used with the Peelle door operator. | 0 | 255 | 50 |
| 08-0097 | HA Top Opening | When nonzero, configures the top hoistway access to use the rear opening | 0 | 255 | 0 |
| 08-0098 | HA Bottom Opening | When nonzero, configures the bottom hoistway access to use the rear opening | 0 | 255 | 0 |
| 08-0141 | AN Max Opens Without PHE | Sets the max number of times that a car's doors can open without detecting a PHE transition. If this limit is exceeded, all car calls are cleared as an anti-nuisance measure. If set to zero, this feature is disabled. | 0 | 255 | 0 |
| 08-0148 | DR Hourly Fault Limit | Sets the number of door faults allowed within a 1-hour window before the car goes out of service. If the car goes out of service, it will remain out of service until the hour window elapses. If set to zero, there is no limit to the number of hourly door faults. | 0 | 255 | 0 |
| 08-0185 | Door Check Time 100ms | Sets the time the car doors must be seen as safe before the car is allowed to start a run in automatic operation. Time is set in 100 ms counts. If zero, defaults to 1 second. | 0 | 255 | 3 |
| 08-0187 | DR Opening Time (100ms) | Sets the estimated time it takes the doors to go from fully closed to fully open. This value is learned after performing a run with preflight disabled (01-64) and the learn opening time bit on (01-165). This can help improve dwell time delays when preflight is on. If set to zero, this option is disabled. | 0 | 255 | 0 |
| 08-0253 | Drop Cam Outside DZ Idle Timer_1min | When set to non-zero, if the car is outside of the DZ, idle, and in | 0 | 255 | 0 |

| | | | | | |
|----------------|-------------------------|--|---|------------|--------|
| | | auto operation, the car will assert the CAM until this timer expires. | | | |
| 08-0265 | Door Zone Blade Size | Specifies the door zone blade size in inches. | 6 | 24 | 6 |
| 08-0268 | Inching Reduced Limit | The lower nibble defines be the adjustment for the Up direction, and the higher nibble for the Down direction. The values of these adjustments are incremented by 1 to compute the inching limits. Setting the parameter to 0 should result in a limit of (DZ/2 -1) in both directions to recover the old behavior. | 0 | 255 | 0 |
| 08-0276 | DR Reopen Dwell Time 1s | Sets the time car doors remain open when the (PHE) is triggered while the doors are open, opening or closing. The units are in seconds. | 0 | 255 | 0 |
| 16-0910 | PreOpeningDistance | Sets the distance from a floor to start preopening doors. If zero, preopening is disabled. Units are in 0.019-inch counts. | 0 | 131 | 26 |
| 32-0000 | Front Opening Map 0 | Front door opening map for floors 1 to 32. Edit via SETUP FLOORS OPENINGS (F). Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 4294967295 | config |
| 32-0001 | Front Opening Map 1 | Front door opening map for floors 33 to 64. Edit via SETUP FLOORS OPENINGS (F). Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 4294967295 | config |
| 32-0002 | Front Opening Map 2 | Front door opening map for floors 65 to 96. Edit via SETUP FLOORS OPENINGS (F). Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 4294967295 | config |
| 32-0004 | Rear Opening Map 0 | Rear door opening map for floors 1 to 32. Edit via SETUP FLOORS OPENINGS (R). Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 4294967295 | config |

| | | | | | |
|----------------|--------------------|---|---|------------|--------|
| 32-0005 | Rear Opening Map 1 | Rear door opening map for floors 33 to 64. Edit via SETUP FLOORS OPENINGS (R). Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 4294967295 | config |
| 32-0006 | Rear Opening Map 2 | Rear door opening map for floors 65 to 96. Edit via SETUP FLOORS OPENINGS (R). Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 0 | 4294967295 | config |
| 32-0032 | WanderGuard Mask0 | Sets which floors the car should stop at with doors open when wander guard (aka Code Pink) mode is activated. Floors 1 to 32. | 0 | 4294967295 | 0 |
| 32-0033 | WanderGuard Mask1 | Sets which floors the car should stop at with doors open when wander guard (aka Code Pink) mode is activated. Floors 33 to 64. | 0 | 4294967295 | 0 |
| 32-0034 | WanderGuard Mask2 | Sets which floors the car should stop at with doors open when wander guard (aka Code Pink) mode is activated. Floors 65 to 96. | 0 | 4294967295 | 0 |

13 Drive Parameters

The table below lists the Drive parameters.

Table 12: Drive Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|------------------------|---|-----------|-----------|---------------|
| 01-0058 | DISA Auto Drive Reset | Disables the automatic reset of drive faults | 0 | 1 | 0 |
| 01-0121 | ENA DSD Full Field | When set to ON, full field is energized at the start of run instead of when the M contactor is picked. Setting this option reduces the time required to gain motor control. | 0 | 1 | 0 |
| 01-0122 | StopSeq DISA RampZero | Disables ramping down command speed from leveling speed to 1 fpm prior to dropping a run. This option must be OFF for KEB drives. | 0 | 1 | 0 |
| 01-0123 | StopSeq DISA Hold Zero | Disables stop sequence check for encoder speed to read below 1 fpm prior to dropping the brake. Turning | 0 | 1 | 0 |

| | | | | | |
|----------------|--------------------------------|---|---|-----|--------|
| | | this option OFF may increase floor level accuracy. | | | |
| 01-0128 | ENA UIDriveEdit | Enables editing of drive parameters from the MR board or the group's GUI | 0 | 1 | 0 |
| 01-0152 | DSD Early Field ENA | When set to ON, the DSD drive field is energized as soon as the doors begin closing. This reduces start of run delays for consecutive runs. For this feature, 01-121 must also be set ON. | 0 | 1 | 0 |
| 01-0154 | TestTrcLoss | When set to ON, the drive's encoder speed is suppressed. This allows the traction loss fault to be artificially tripped. | 0 | 1 | 0 |
| 01-0155 | DISA InvertKEB SPD | By default, the system automatically sets the polarity of KEB's encoder speed signal (which by default is always positive). When set to ON, this feature is disabled. | 0 | 1 | 0 |
| 01-0258 | ENA HPV Serial Outputs | When set to ON, the HPV and M1000 drive outputs will be monitored serially. This option is for testing a new feature and will be removed in future versions. | 0 | 1 | 0 |
| 08-0123 | Drive Resend Timer | Sets the rate at which messages are sent to the drive. The units are in 5 ms counts for releases newer than 65xx and 10 ms counts for releases older than 65xx. | 0 | 255 | 2 |
| 08-0130 | Drive Select | Sets the drive type the system is configured with: 0 = HPV, 1 = KEB, 2 = DSD, 3 = M1000, 4 = AC Quattro | 0 | 255 | config |
| 08-0191 | Debug NumInvalid Drive Packets | When nonzero, the car alters the checksum of sequential messages to the drive. Bad packets are sent on the rising edge of the MR board DIP 2A. This is used for debugging purposes only. | 0 | 255 | 0 |

14 Earthquake Parameters

The table below lists the Earthquake parameters.

Table 13: Earthquake

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|--------|--|-----------|-----------|---------------|
| 01-0042 | ENA EQ | Enables seismic and counterweight derail modes of operation. | 0 | 1 | 0 |

| | | | | | |
|----------------|--------------------------|--|---|---|---|
| 01-0246 | EQ Buzzer | Turns the Auto Operation Buzzer on if on Seismic. | 0 | 1 | 0 |
| 01-0287 | EQ Buzz Until Safe | When set to ON, if EQ_Buzzer (01-0246) is also set to ON, the buzzer will fire when the car goes into Seismic or CW Derail. The buzzer will stop when the car has successfully recalled to a floor and fully opened the doors. | 0 | 1 | 0 |
| 01-0298 | EQ Buzz only on DOL | If this parameter is ON, it will override EQ_BuzzUntilSafe (01-287) and allow the buzzer to turn ON in Seismic or CW Derail only when doors are open. If set to 0, this parameter will not affect the system. | 0 | 1 | 0 |
| 01-0397 | CW Derail Blinks EQ Lamp | When enabled, on CW derail, the EQ lamp output illuminates intermittently. | 0 | 1 | 0 |

15 EMS Parameters

The table below lists the EMS parameters.

Table 14: EMS Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|---------------------------|---|-----------|-----------|---------------|
| 01-0051 | Fire Overrides EMS Ph2 | If turned ON, Fire Service will take priority over EMS2. | 0 | 1 | 0 |
| 01-0097 | EMS Allow Ph2 Without Ph1 | Allows activation of Medical Phase 2 even if the car was never placed on Phase 1 | 0 | 1 | 0 |
| 01-0098 | EMS Exit Ph2 At Any FLR | Allows exiting of EMS Phase 2 at any floor. Jobs with full hospital service should have this parameter turned ON. Jobs with EMT service should have this parameter OFF. | 0 | 1 | 0 |
| 01-0100 | Fire Overrides EMS Ph1 | When set to ON, the activation of a smoke or Fire Phase 1 key causes a car that is currently on EMS Phase 1 to exit medical service and go on Fire Phase 1 recall. When turned OFF, the car remains on EMS Phase 1. | 0 | 1 | 0 |
| 01-0292 | Close Door on EMS2 | When parameter is set, while car is on phase 2 close the door as soon as the car call is received. If the parameter is Off, after receiving the car call close the door with DCB to close the door. | 0 | 1 | 0 |

| | | | | | |
|----------------|-----------------------------------|--|---|---|---|
| 01-0297 | Diff Front/Rear doors in EMS2 CCs | When set to on, car calls in EMS2 differentiate between front and rear CCs. If set to off, both doors open after a CC. | 0 | 1 | 0 |
| 01-0327 | Enable first latched CC on EMS2 | Enable first single CC, and disables other on EMS2 | 0 | 1 | 0 |

16 Expansion Board Parameters

The table below lists the Expansion Board parameters.

Table 15: Expansion Board Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|--------------------------------|----------------|---|-----------|-----------|---------------|
| 16-0072 through 16-0079 | EXP01 IN (1-8) | Set the Expansion1 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0080 through 16-0087 | EXP02 IN (1-8) | Set the Expansion2 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0088 through 16-0095 | EXP03 IN (1-8) | Set the Expansion3 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0096 through 16-0103 | EXP04 IN (1-8) | Set the Expansion4 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0104 through 16-0111 | EXP05 IN (1-8) | Set the Expansion5 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |

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|--------------------------------|----------------|--|---|-------|---|
| 16-0112 through 16-0119 | EXP06 IN (1-8) | Set the Expansion6 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0120 through 16-0127 | EXP07 IN (1-8) | Set the Expansion7 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0128 through 16-0135 | EXP08 IN (1-8) | Set the Expansion8 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0136 through 16-0143 | EXP09 IN (1-8) | Set the Expansion9 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0144 through 16-0151 | EXP10 IN (1-8) | Set the Expansion10 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0152 through 16-0159 | EXP11 IN (1-8) | Set the Expansion11 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0160 through 16-0167 | EXP12 IN (1-8) | Set the Expansion12 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |

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|--------------------------------|----------------|--|---|-------|---|
| 16-0168 through 16-0175 | EXP13 IN (1-8) | Set the Expansion13 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0176 through 16-0183 | EXP14 IN (1-8) | Set the Expansion14 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0184 through 16-0191 | EXP15 IN (1-8) | Set the Expansion15 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0192 through 16-0199 | EXP16 IN (1-8) | Set the Expansion16 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0200 through 16-0207 | EXP17 IN (1-8) | Set the Expansion17 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0208 through 16-0215 | EXP18 IN (1-8) | Set the Expansion18 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0216 through 16-0223 | EXP19 IN (1-8) | Set the Expansion19 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |

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|--------------------------------|----------------|--|---|-------|---|
| 16-0224 through 16-0231 | EXP20 IN (1-8) | Set the Expansion20 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0232 through 16-0239 | EXP21 IN (1-8) | Set the Expansion21 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0240 through 16-0247 | EXP22 IN (1-8) | Set the Expansion22 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0248 through 16-0255 | EXP23 IN (1-8) | Set the Expansion23 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0256 through 16-0263 | EXP24 IN (1-8) | Set the Expansion24 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0264 through 16-0271 | EXP25 IN (1-8) | Set the Expansion25 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0272 through 16-0279 | EXP26 IN (1-8) | Set the Expansion26 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |

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|--------------------------------|----------------|--|---|-------|---|
| 16-0280 through 16-0287 | EXP27 IN (1-8) | Set the Expansion27 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0288 through 16-0295 | EXP28 IN (1-8) | Set the Expansion28 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0296 through 16-0303 | EXP29 IN (1-8) | Set the Expansion29 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0304 through 16-0311 | EXP30 IN (1-8) | Set the Expansion30 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0312 through 16-0319 | EXP31 IN (1-8) | Set the Expansion31 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0320 through 16-0327 | EXP32 IN (1-8) | Set the Expansion32 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0328 through 16-0335 | EXP33 IN (1-8) | Set the Expansion33 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |

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|--------------------------------|----------------|--|---|-------|---|
| 16-0336 through 16-0343 | EXP34 IN (1-8) | Set the Expansion34 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0344 through 16-0351 | EXP35 IN (1-8) | Set the Expansion35 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0352 through 16-0359 | EXP36 IN (1-8) | Set the Expansion36 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0360 through 16-0367 | EXP37 IN (1-8) | Set the Expansion37 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0368 through 16-0375 | EXP38 IN (1-8) | Set the Expansion38 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0376 through 16-0383 | EXP39 IN (1-8) | Set the Expansion39 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0384 through 16-0391 | EXP40 IN (1-8) | Set the Expansion40 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |

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|--------------------------------|-----------------|---|---|-------|---|
| 16-0464 through 16-0471 | EXP01 OUT (1-8) | Set the Expansion1 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0472 through 16-0479 | EXP02 OUT (1-8) | Set the Expansion2 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0480 through 16-0487 | EXP03 OUT (1-8) | Set the Expansion3 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0488 through 16-0495 | EXP04 OUT (1-8) | Set the Expansion4 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0496 through 16-0503 | EXP05 OUT (1-8) | Set the Expansion5 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0504 through 16-0511 | EXP06 OUT (1-8) | Set the Expansion6 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0512 through 16-0519 | EXP07 OUT (1-8) | Set the Expansion7 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0520 through 16-0527 | EXP08 OUT (1-8) | Set the Expansion8 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0528 through 16-0535 | EXP09 OUT (1-8) | Set the Expansion9 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0536 through 16-0543 | EXP10 OUT (1-8) | Set the Expansion10 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

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|--------------------------------|-----------------|---|---|-------|---|
| 16-0544 through 16-0551 | EXP11 OUT (1-8) | Set the Expansion11 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0552 through 16-0559 | EXP12 OUT (1-8) | Set the Expansion12 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0560 through 16-0567 | EXP13 OUT (1-8) | Set the Expansion13 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0568 through 16-0575 | EXP14 OUT (1-8) | Set the Expansion14 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0576 through 16-0583 | EXP15 OUT (1-8) | Set the Expansion15 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0584 through 16-0591 | EXP16 OUT (1-8) | Set the Expansion16 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0592 through 16-0599 | EXP17 OUT (1-8) | Set the Expansion17 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0600 through 16-0607 | EXP18 OUT (1-8) | Set the Expansion18 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0608 through 16-0615 | EXP19 OUT (1-8) | Set the Expansion19 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0616 through 16-0623 | EXP20 OUT (1-8) | Set the Expansion20 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

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|--------------------------------|-----------------|---|---|-------|---|
| 16-0624 through 16-0631 | EXP21 OUT (1-8) | Set the Expansion21 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0632 through 16-0639 | EXP22 OUT (1-8) | Set the Expansion22 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0640 through 16-0647 | EXP23 OUT (1-8) | Set the Expansion23 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0648 through 16-0655 | EXP24 OUT (1-8) | Set the Expansion24 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0656 through 16-0663 | EXP25 OUT (1-8) | Set the Expansion25 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0664 through 16-0671 | EXP26 OUT (1-8) | Set the Expansion26 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0672 through 16-0679 | EXP27 OUT (1-8) | Set the Expansion27 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0680 through 16-0687 | EXP28 OUT (1-8) | Set the Expansion28 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0688 through 16-0695 | EXP29 OUT (1-8) | Set the Expansion29 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0696 through 16-0703 | EXP30 OUT (1-8) | Set the Expansion30 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

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|--------------------------------|-----------------|---|---|-------|---|
| 16-0704 through 16-0711 | EXP31 OUT (1-8) | Set the Expansion31 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0712 through 16-0719 | EXP32 OUT (1-8) | Set the Expansion32 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0720 through 16-0727 | EXP33 OUT (1-8) | Set the Expansion33 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0728 through 16-0735 | EXP34 OUT (1-8) | Set the Expansion34 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0736 through 16-0743 | EXP35 OUT (1-8) | Set the Expansion35 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0744 through 16-0751 | EXP36 OUT (1-8) | Set the Expansion36 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0752 through 16-0759 | EXP37 OUT (1-8) | Set the Expansion37 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0760 through 16-0767 | EXP38 OUT (1-8) | Set the Expansion38 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0768 through 16-0775 | EXP39 OUT (1-8) | Set the Expansion39 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0776 through 16-0783 | EXP40 OUT (1-8) | Set the Expansion40 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

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|----------------|---------------------------|---|---|------------|--------|
| 32-0029 | Exp 24 Inputs Bitmap 0 | Sets the index of 24 inputs board on the first 32 expansions | 0 | 4294967295 | config |
|----------------|---------------------------|---|---|------------|--------|

17 Fire Parameters

The table below lists the Fire parameters.

Table 16: Fire Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|---------------------------------|---|-----------|-----------|---------------|
| 01-0000 | Fire Main Use Rear DR | Sets the door that opens after performing a main floor fire recall. Uses the rear door if set to ON. | 0 | 1 | config |
| 01-0001 | Fire Alt Use Rear DR | Sets the door that opens after performing an alternate floor fire recall. Uses the rear door if set to ON. | 0 | 1 | config |
| 01-0002 | Fire MAIN Use Alt FLR | Sets which recall floor to use when the smoke sensor located at the main recall floor is activated. Uses the alternate floor if set to ON. | 0 | 1 | config |
| 01-0003 | Fire Alt Use Alt FLR | Sets which recall floor to use when the smoke sensor located at the alternate recall floor is activated. Uses the alternate floor if set to ON. | 0 | 1 | config |
| 01-0004 | Fire MR Use Alt FLR | Sets which recall floor to use when the smoke sensor located in the machine room is activated. Uses the alternate floor if set to ON. | 0 | 1 | config |
| 01-0005 | Fire HW Use Alt FLR | Sets which recall floor to use when the smoke sensor located in the hoistway is activated. Uses the alternate floor if set to ON. | 0 | 1 | config |
| 01-0006 | Fire Main Flash Fire Hat | Flashes the fire hat output when the Main Smoke input is active | 0 | 1 | config |
| 01-0007 | Fire Alt Flash Fire Hat | Flashes the fire hat output when the Alternate Smoke input is active | 0 | 1 | config |
| 01-0008 | Fire MR Flash Fire Hat | Flashes the fire hat output when the Machine Room Smoke input is active | 0 | 1 | config |
| 01-0009 | Fire HW Flash Fire Hat | Flashes the fire hat output when the Hoistway Smoke input is active | 0 | 1 | config |
| 01-0010 | Fire Main Shunt On Recall | Activates fire shunt output during Phase 1 recall if triggered by Main Smoke input | 0 | 1 | config |

| | | | | | |
|----------------|--------------------------------------|---|---|---|--------|
| 01-0011 | Fire Alt Shunt On Recall | Activates fire shunt output during Phase 1 recall if triggered by Alternate Smoke input | 0 | 1 | config |
| 01-0012 | Fire MR Shunt On Recall | Activates fire shunt output during Phase 1 recall if triggered by Machine Room Smoke input | 0 | 1 | config |
| 01-0013 | Fire HW Shunt On Recall | Activates fire shunt output during Phase 1 recall if triggered by Hoistway Smoke input | 0 | 1 | config |
| 01-0014 | Fire Reset To Exit Phase 1 | The Fire Reset Key input must be active to exit Phase 1 | 0 | 1 | config |
| 01-0015 | Fire DISA DR Restrictor Phase 2 | When set to ON, the door restrictor outputs are always turned OFF when the car is on Fire Phase 2. | 0 | 1 | config |
| 01-0016 | Fire Phase 2 Swing Reopen DISA | When set to ON, the car ignores the position of the swing door on Fire Phase 2. NOTE: Set ON mostly just in NYC | 0 | 1 | config |
| 01-0017 | Fire Phase 2 Exit only at Recall Flr | The car must be at recall floor to exit Fire Phase 2 | 0 | 1 | config |
| 01-0018 | Fire Ignore Locks Jumped On Phase 2 | Bypasses lock jumper detection logic when car is on fire phase 2. | 0 | 1 | config |
| 01-0019 | Fire or IC Stop Switch Kills DR | Supress door outputs when Fire Stop Switch input is active. Also, with this parameter ON, during fire recall, IC stop switch should stop doors from closing if activated before recall begins. | 0 | 1 | config |
| 01-0020 | Fire DOL To Exit Phase 2 | The car's Door Open Limit input must be active to exit Phase 2 | 0 | 1 | config |
| 01-0022 | Fire Ok To Stop Outside DZ | N/A | 0 | 1 | config |
| 01-0023 | Fire Allow Reset With Active Smoke | Allows Fire Phase 1 reset with active smokes. | 0 | 1 | config |
| 01-0024 | Fire Hat Flash Ignore Order | Flashes fire hat for any active smoke. If OFF, only the first active smoke is checked. | 0 | 1 | config |
| 01-0025 | Fire Momentary DCB | When set to ON, when car is on fire phase 2 operation and the in car fire key switch is set to ON, pressing the DCB just momentarily will cause the door to close. When set to OFF, the DCB must be held until the door reaches the fully | 0 | 1 | config |

| | | | | | |
|----------------|--|---|---|---|--------|
| | | closed state, or the door will automatically reopen. | | | |
| 01-0026 | Fire Flash Lobby Lamp | Enables flashing of the lobby fire lamp output | 0 | 1 | config |
| 01-0027 | Fire Remote And Main To Override Smoke | Both remote and Main Fire Key switch must be on to trigger main floor recall | 0 | 1 | config |
| 01-0028 | Fire ENA PHE On Phase 2 | Enables photo eye during Fire Phase 2 | 0 | 1 | config |
| 01-0029 | Fire DR Open On Hold | Hold doors open when on Fire Phase 2 hold | 0 | 1 | config |
| 01-0031 | Fire Pit Flash Fire Hat | Flashes the fire hat output when the Pit Smoke input is active | 0 | 1 | config |
| 01-0032 | Fire Pit Shunt On Recall | Activates fire shunt output during Phase 1 recall if triggered by Pit Smoke input | 0 | 1 | config |
| 01-0036 | Fire Pit Use Alt FLR | Sets which recall floor to use when the Pit Smoke input is active. Uses the alternate floor if set to ON. | 0 | 1 | config |
| 01-0040 | DISA BYP IC Stop | When set to ON, bypassing of IC stop switch is disabled. When set to OFF IC stop switch is bypassed during fire 2 recall, fire phase 1 recall, or ems phase 1 recall. For jobs that are compliant with A17.1-2016 code. | 0 | 1 | config |
| 01-0046 | Courion Fire1 Active | When turned ON, the output Fire I Active will stay asserted during the entirety of Fire Phase 1 (This is required for Courion Door Operators). If turned OFF, the output Fire I Active will assert until the car has finished Fire Phase 1 Recalling (This is required for PEELE Door Operators). | 0 | 1 | 0 |
| 01-0119 | EMS Fire 1 Active | When set to ON, the Fire 1 Active output will only fire when the car is on Fire Phase 1 and it is at the Recall floor. Required for EMS door operators for the Fire 1 Hold. | 0 | 1 | config |
| 01-0131 | BYP FireSrv | When set to ON, bypasses fire service when DIP 6B on the MR board is also on. Bypassing fire service also clears any saved fire states. | 0 | 1 | 0 |
| 01-0181 | Enable Alt MR | When set to ON, the car looks for alternate MR and HA Smoke inputs. Used for groups split | 0 | 1 | config |

| | | | | | |
|----------------|---|--|---|---|--------|
| | | between two physical machine rooms. | | | |
| 01-0182 | Fire MR 2 Flash Fire Hat | Flashes the fire hat output when the Machine Room 2 Smoke input is active | 0 | 1 | config |
| 01-0183 | Fire HW 2 Flash Fire Hat | Flashes the fire hat output when the Hoistway 2 Smoke input is active | 0 | 1 | config |
| 01-0184 | Fire MR 2 Use Alt FLR | Sets which recall floor to use when the Machine Room 2 Smoke input is active. Uses the alternate floor if set to ON. | 0 | 1 | config |
| 01-0185 | Fire HW 2 Use Alt FLR | Sets which recall floor to use when the Hoistway 2 Smoke input is active. Uses the alternate floor if set to ON. | 0 | 1 | config |
| 01-0186 | Fire MR 2 Shunt On Recall | Activates Fire Shunt output during Phase 1 recall if triggered by Machine Room 2 Smoke input | 0 | 1 | config |
| 01-0187 | Fire HW 2 Shunt On Recall | Activates Fire Shunt output during Phase 1 recall if triggered by Hoistway 2 Smoke input | 0 | 1 | config |
| 01-0200 | Fire Key FlashFireHat | Flashes the fire hat output when the fire recall key is active | 0 | 1 | config |
| 01-0203 | Fire Recall to Main After Phase 2 | When set to ON, the car will fire-recall to the main floor after exiting Fire Phase 2. A17.1-2004 code. | 0 | 1 | 0 |
| 01-0221 | Fire2 Swing Reopen | When set ON, opening a swing hall closed contact will cause the doors to reopen. | 0 | 1 | 0 |
| 01-0227 | Fire DISA Latch Smokes | When set to OFF, the controller will remember the first smoke input it saw tripped until you exit fire service. The smoke will be remembered even across a power cycle. Most jobs except NYC will require this. This parameter is usually off for any controller that has a lobby fire key switch with a RESET position. | 0 | 1 | config |
| 01-0228 | Fire DISA Latch Lobby Key | When set to OFF, the controller latches the lobby key as the recall source until the key is turned from RESET to OFF. If set to ON, Fire Phase 1 is constantly reassessed when the recall source is the lobby key. | 0 | 1 | config |
| 01-0229 | Fire DISA Latch Main Recall | When set to OFF, if the car ever recalls to the main fire recalls floor, then it can't recall to the | 0 | 1 | config |

| | | | | | |
|----------------|------------------------------------|--|---|---|--------|
| | | alternate floor until fire service has been reset. This is required by 2016 code. | | | |
| 01-0231 | Fire Reset On Transition | When set to ON, resets Fire 1 on key switch position transition from RESET to OFF | 0 | 1 | 1 |
| 01-0267 | EPWR DISA Fire1Lamp | When set to ON, in car fire lamp will behave as specified in the A17.1-2019 code. For A17.1-2019 the in car fire lamp should be suppressed when on fire phase 2, and the car is on emergency power but not selected to run. For A17.1-2010 the in car fire lamp should be suppressed when on fire and the car is not selected to run. A17.1-2.27.2.4.4 (b) | 0 | 1 | 0 |
| 01-0268 | Fire Exit Ph2 Without Ph1 Rcl | When set to ON, if the car is on fire phase 2, and fire phase 1 has been cleared via key switch, when the car is taken off fire phase 2, it will not attempt to return to the fire recall floor before exiting phase 1, instead it will return directly to normal operation. The car will also only exit fire phase 2 at the main recall floor. For addressing A17.1 2000, Florida testing procedures, https://dev.azure.com/smartrise-us/C4%20Development/_workitems/edit/1843 . When set to off, the car will return to the fire recall floor before returning to normal operation. | 0 | 1 | 0 |
| 01-0275 | ENA Phase 1 EP Car Select | Enable support for A17.1 2008-2019 Section 2.27.2.4.5 Emergency Power Fire Phase 1 Car Selection. | 0 | 1 | config |
| 01-0282 | Fire Nudge with No Buzzer | When set to ON, while on Fire Service, the car will not assert the buzzer when nudge command is asserted. | 0 | 1 | 0 |
| 01-0290 | Fire 2 Active Always On During FP2 | When set to ON, the output Fire II Active will assert whenever the car is on Fire Phase 2. Upon transitioning from Fire Phase 2 to Fire Phase 1, Fire II Active will drop, and Fire 1 Active will assert. This is used for non-peelee non-automatic doors that require Fire 1 | 0 | 1 | 0 |

| | | | | | |
|----------------|--|---|---|---|---|
| | | Active and Fire 2 Active to control the door operation during Fire. | | | |
| 01-0307 | Close door when PHE Bypassed on FF2 | When set to ON, the door sends a close command instead of nudge if phe is byapssed on FF2 | 0 | 1 | 0 |
| 01-0309 | Fire2 Bypass on MR and HA smoke | When set to ON, the Fire2 is bypassed if the origin of Fire1 is machine room or hoistway smoke | 0 | 1 | 0 |
| 01-0310 | Fire1 DOB HC Enabled Dwell 1 min | When set to ON, the Fire1 doors are cycled on recall, DOB and HC of recall floor after 1 min | 0 | 1 | 0 |
| 01-0311 | Only Exit FP1 on Main Landing | When Set ON, the car will only exit FP on the Main recall landing. A car that has been utilized for FP2 operation will remain in FP until returned to the main landing and switched Off FP2 after a FP1 reset | 0 | 1 | 0 |
| 01-0317 | Fire2 Cancel Button Reopen door | When Fire II cancel button is pressed while car on fire recall floor, the doors reopen | 0 | 1 | 0 |
| 01-0319 | Fire2 Close Door When No DOB | Closes the door on fire2 ON when DOB is not pressed | 0 | 1 | 0 |
| 01-0320 | Fire Switch 2 positions | When set to ON, the fire switches used on lobby and inside car are 2 positions | 0 | 1 | 0 |
| 01-0321 | Fire No DCL to Exit phase 2 | When the car needs to exit fire2 and recall to lobby, the door should not be closed | 0 | 1 | 0 |
| 01-0326 | Fire1 reset extinguishes Lobby Lamp at Alt Floor | The lobby fire lamp turns off when fire1 is reset on alternate floor | 0 | 1 | 0 |
| 01-0329 | Turn Off At Recall Output on FP2 | When enabled, turns off At Recall output when car is on FP2, and recall is finished | 0 | 1 | 0 |
| 01-0341 | Allow Shunt Trip on Inspection mode | When enabled, the shunt trip is enabled on inspection | 0 | 1 | 0 |
| 01-0342 | Allow Shunt Trip on Fire I Alternate Landing | When enabled, the shunt trip is enabled on Fire1 alternate floor | 0 | 1 | 0 |
| 01-0343 | Allow Shunt Trip on EMS | When enabled, the shunt trip is enabled on EMS | 0 | 1 | 0 |
| 01-0344 | Extinguish Fire Lamp On | When enabled, the fire lamp is extinguished on low oil, motor | 0 | 1 | 0 |

| | | | | | |
|---------|---|--|----|-----|--------|
| | Special Operations | overheat and battery rescue modes of operation | | | |
| 01-0377 | Bypass In Car Stop when the car is on Fire Recall | When enabled, car will ignore the in-car stop switch, when in Fire Recall mode as required in A17 2004. | 0 | 1 | 0 |
| 08-0111 | Fire Main Recall FLR | Sets the main fire recall floor. This value is zero -based, so the bottom most floor is zero. | 0 | 255 | config |
| 08-0112 | Fire Alternate Recall FLR | Sets the alternate fire recall floor. This value is zero -based, so the bottom most floor is zero. | 0 | 255 | config |
| 08-0224 | ATTD Fire Recall Delay (1s) | Sets the delay before beginning fire recall when the car is parked at floor on attendant or independent service. See A17.1-2016 2.27.5.2(a). | 10 | 30 | 20 |
| 08-0233 | FireRecallKey Debounce_10 0ms | Debounce counter for fire recall keyswitch inputs. Value is in 100msec counts. | 0 | 127 | 10 |

18 Flood Parameters

The table below lists the Flood parameters.

Table 17: Flood Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|---|---|-----------|-----------|---------------|
| 01-0102 | Flood Override Fire | Allows flood operation to take priority over fire operation | 0 | 1 | 0 |
| 01-0103 | Flood Okay To Run | Allows car to continue to run above the configured flood sensor floor (08-165) | 0 | 1 | 0 |
| 01-0278 | Flood Flash Lamp | When turned ON, if the active mode of operation is Flood, the flood lamp will flash instead of being asserted high. (North Carolina Inspector stated that any sensor/switch in the shaft that has a relative lamp, will need it to flash). | 0 | 1 | 0 |
| 01-0374 | Fire1 Recall To Flood Safe Floor | When enabled, fire phase 1 will recall to a flood safe floor | 0 | 1 | 0 |
| 01-0375 | Alt. Is Flood Safe Floor | When enabled, alternate floor should be a flood safe floor, otherwise fault F337 "Inv. Fire Alt" will be generated | 0 | 1 | 0 |
| 01-0376 | Enable Flood Limits On Inspection/Hoistway Access | When enabled, flood limits will be imposed when on Inspection/Hoistway Access, i.e., the car will not be allowed to travel | 0 | 1 | 0 |

| | | | | | |
|----------------|----------------------|--|---|-----|--------|
| | | to a flood-unsafe floor, nor will the counterweight. The only exception is to allow elevator personnel to exit the car top at a landing. | | | |
| 08-0165 | Number of Flood FLRs | Used in conjunction with the Flood Switch input. If a flood is detected, this parameter tells the controller which floors to avoid. If set to zero, the car can go to all floors. If the flood switch is active and this parameter is set to 1, the car is not allowed to go to the bottom floor. If set to 2 then the car can't go to bottom 2 floors, etc. | 0 | 255 | config |

19 Floor Parameters

The table below lists the Floor parameters.

Table 18: Floor Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|----------------------------------|---|-----------|-----------|---------------|
| 01-0062 | Auto Runs FLR To FLR | Enables automatic one floor car call runs when on Enter Car Calls on the MR board. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0074 | Auto Runs Terminal To Terminal F | Enables automatic front car call runs between terminal floors when on Enter Car Calls menu on the MR board display. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0077 | Auto Runs FLR To FLR R | Enables automatic one floor rear car call runs when on Enter Car Calls on the MR board. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0099 | Auto Runs FLR To FLR F | Enables automatic one floor front car call runs when on Enter Car Calls on the MR board. This option should be left OFF and is for test purposes only. | 0 | 1 | 0 |
| 01-0110 | Run Random Runs R | Enables automatic rear car call runs to random destinations when on the Enter Car Calls menu on the MR board. If on the Enter Hall Calls menu, the car enters hall calls to random floors. This option should | 0 | 1 | 0 |

| | | | | | |
|----------------|---|---|---|-----|--------|
| | | be left OFF and is for test purposes only. | | | |
| 01-0144 | 3 Digit PI | When set to ON, three -digit PIs are used. | 0 | 1 | 0 |
| 01-0149 | DISA CE FlrPlus1 | When set to ON, the floor index sent to CE driver boards start at zero instead of one. Used for jobs where the annunciator was misconfigured. | 0 | 1 | 0 |
| 01-0171 | DISA PI OOS | When set to ON, OOS does not flash on the PI when the car is out of group. | 0 | 1 | 0 |
| 01-0173 | DISA DOB Secured Flr or Ignored opening | When set to ON, DOB is ignored for secured floors when the doors are fully closed or when the Car calls is ignored on a floor | 0 | 1 | 0 |
| 01-0202 | DISA Dest Loss Stop | When set to OFF, if a car is in flight to a floor and its destination lost and no alternate destination is detected, the car ramps down to the next reachable floor. When set to ON, this ramp down does not occur. | 0 | 1 | 0 |
| 01-0225 | ENA Ext Floor Limit | When set ON, the floor limit of the system is 96 floors instead of the usual 64. | 0 | 1 | config |
| 01-0289 | At Recall Lamp Lobby DOL | When set to ON, the At Recall output will assert when the car is at the lobby floor defined at 08-0122, and has the doors fully opened. | 0 | 1 | 0 |
| 01-0355 | At Recall Lamp Lobby Bypass DOL | When enabled it will operate in conjunction with Parameter 01-0289. When both parameters are activated, the system should trigger the output (lamp at recall) upon the car reaching a specific landing that can be set through parameter 08-0122 (Car to lobby FLR) disregarding DOL. | 0 | 1 | 0 |
| 08-0092 | Number of FLRs | Sets the number of floors. Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 2 | 96 | config |
| 08-0094 | HA Top Allowed Distance | Sets the distance below the top hoistway access floor that the car is allowed to move while on top hoistway access. The units are in feet. | 0 | 255 | 9 |
| 08-0095 | HA Top FLR | Sets the top hoistway access floor. This value is zero -based, so the | 0 | 255 | 255 |

| | | | | | |
|----------------|-----------------------------|---|----|-----|--------|
| | | bottom most floor is zero. This value's upper bound is the configured number of floors (08-93). | | | |
| 08-0096 | HA BottomFLR | Sets the bottom hoistway access floor. This value is zero -based, so the bottom most floor is zero. | 0 | 255 | 0 |
| 08-0110 | HA Bottom Allowed Distance | Sets the distance above the bottom hoistway access floor that the car is allowed to move while on bottom hoistway access. The units are in feet. | 0 | 255 | 9 |
| 08-0122 | Car To Lobby FLR | Sets the floor the car moves to when the Car to Lobby input is activated. This value is zero -based. | 0 | 255 | 0 |
| 08-0156 | Relevel Offset Up 0.5mm | Reduces the releveling destination floor count by this value when approaching a floor from below | 0 | 255 | 0 |
| 08-0157 | Relevel Offset Down 0.5mm | Reduces the releveling destination floor count by this value when approaching a floor from above | 0 | 255 | 0 |
| 08-0158 | Releveling Zone Size | Sets the size of the releveling zone (dead zone) in 0.02-inch position counts. When the car greater than this distance from the nearest learned floor position, and in door zone, it will attempt to relevel. | 13 | 100 | 26 |
| 08-0169 | Dest. Offset Up 0.5mm | Reduces the destination floor count by this value when approaching a floor from below | 0 | 255 | 0 |
| 08-0170 | Dest. Offset Down 0.5mm | Reduces the destination floor count by this value when approaching a floor from above | 0 | 255 | 0 |
| 08-0172 | Test Runs Dwell Time | Sets the dwell time used when testing the car using automatic call entry modes: Floor to floor (01-62) and random runs (01-114). Units are in seconds. | 0 | 255 | 0 |
| 08-0174 | Group Landing Offset | Sets the number of floors below the lowest serviced floor that are serviced by other group cars. This allows calls between different cars to be aligned so they refer to the same landing and is vital to proper dispatching. | 0 | 31 | config |
| 08-0202 | Check In Floor | Sets Check in Floor for when secure floors CC are latched. | 0 | 255 | 0 |
| 08-0203 | Move Idle Car Timer (10min) | Sets the amount of time the car is allowed to stay idle before it is forced to move to a random floor. | 0 | 25 | 0 |

| | | | | | |
|----------------|---------------------------------------|--|---|-------|---|
| | | This feature is used for cars using old DC machine with babbitt bearings that stick if the car is left idle for too long. If set to zero, this feature is disabled. | | | |
| 08-0231 | Shuttle Mode Floor | Sets the floor the car moves to or from Main Fire recall floor, when the Shuttle mode input is activated. This value is zero -based. | 0 | 255 | 0 |
| 08-0261 | Hard Stop Up floor | Selects the floor that the car should pass when going up. | 0 | 255 | 0 |
| 08-0262 | Hard Stop Down floor | Selects the floor that the car should pass when going down. | 0 | 255 | 0 |
| 08-0266 | Access Offset Floors | Specifies the number of offset floors that do not have access code. Useful to skip basements as an example. | 0 | 96 | 0 |
| 08-0270 | Recall Floor on Active Shooter Plus 1 | "When greater than zero, the car recalls to the floor equal to (value - 1) set in this parameter, else it goes to the fire alternate floor. | | | |
| 16-0927 | BufferDistance_05mm | Sets the distance between the bottom floor position and the buffer. This is used to determine ETSL point violations for reduced stroke buffer jobs. | 0 | 65535 | 0 |
| 16-0958 | ShortFloorOpening_0 | Sets floors 1-16 as short floors. This setting is in bitmask form which each bit corresponds to a different floor index. Floors marked with 1 are not held to the same spacing requirements as standard floors. During a hoistway learn, their positions are auto set to a quarter inch from the previous floor and their position must be set manually via SETUP FLOORS STORE FLOOR LEVEL. | 0 | 65535 | 0 |
| 16-0959 | ShortFloorOpening_1 | Sets floors 17-32 as short floors. This setting is in bitmask form which each bit corresponds to a different floor index. Floors marked with 1 are not held to the same spacing requirements as standard floors. During a hoistway learn, their positions are auto set to a quarter inch from the previous floor and their position must be set manually via SETUP FLOORS STORE FLOOR LEVEL. | 0 | 65535 | 0 |

| | | | | | |
|----------------|----------------------|--|---|-------|---|
| 16-0960 | ShortFloorOpening_2 | Sets floors 33-48 as short floors. This setting is in bitmask form which each bit corresponds to a different floor index. Floors marked with 1 are not held to the same spacing requirements as standard floors. During a hoistway learn, their positions are auto set to a quarter inch from the previous floor and their position must be set manually via SETUP FLOORS STORE FLOOR LEVEL. | 0 | 65535 | 0 |
| 16-0961 | ShortFloorOpening_3 | Sets floors 49-64 as short floors. This setting is in bitmask form which each bit corresponds to a different floor index. Floors marked with 1 are not held to the same spacing requirements as standard floors. During a hoistway learn, their positions are auto set to a quarter inch from the previous floor and their position must be set manually via SETUP FLOORS STORE FLOOR LEVEL. | 0 | 65535 | 0 |
| 16-0962 | ShortFloorOpening_4 | Sets floors 65-80 as short floors. This setting is in bitmask form which each bit corresponds to a different floor index. Floors marked with 1 are not held to the same spacing requirements as standard floors. During a hoistway learn, their positions are auto set to a quarter inch from the previous floor and their position must be set manually via SETUP FLOORS STORE FLOOR LEVEL. | 0 | 65535 | 0 |
| 16-0963 | ShortFloorOpening_5 | Sets floors 81-96 as short floors. This setting is in bitmask form which each bit corresponds to a different floor index. Floors marked with 1 are not held to the same spacing requirements as standard floors. During a hoistway learn, their positions are auto set to a quarter inch from the previous floor and their position must be set manually via SETUP FLOORS STORE FLOOR LEVEL. | 0 | 65535 | 0 |
| 16-0983 | Access Code Floor 1F | Sets the Access Code for Floor 1 Front | 0 | 65535 | 0 |

| | | | | | |
|--------------------------------|------------------------------------|--|---|----------|--------|
| 16-0984 | Access Code Floor 2F | Sets the Access Code for Floor 2 Front | 0 | 65535 | 0 |
| 16-0985 | Access Code Floor 3F | Sets the Access Code for Floor 3 Front | 0 | 65535 | 0 |
| 16-0986 | Access Code Floor 4F | Sets the Access Code for Floor 4 Front | 0 | 65535 | 0 |
| 16-0987 | Access Code Floor 5F | Sets the Access Code for Floor 5 Front | 0 | 65535 | 0 |
| 16-0988 | Access Code Floor 6F | Sets the Access Code for Floor 6 Front | 0 | 65535 | 0 |
| 16-0989 | Access Code Floor 7F | Sets the Access Code for Floor 7 Front | 0 | 65535 | 0 |
| 16-0990 | Access Code Floor 8F | Sets the Access Code for Floor 8 Front | 0 | 65535 | 0 |
| 16-0991 | Access Code Floor 1R | Sets the Access Code for Floor 1 Rear | 0 | 65535 | 0 |
| 16-0992 | Access Code Floor 2R | Sets the Access Code for Floor 2 Rear | 0 | 65535 | 0 |
| 16-0993 | Access Code Floor 3R | Sets the Access Code for Floor 3 Rear | 0 | 65535 | 0 |
| 16-0994 | Access Code Floor 4R | Sets the Access Code for Floor 4 Rear | 0 | 65535 | 0 |
| 16-0995 | Access Code Floor 5R | Sets the Access Code for Floor 5 Rear | 0 | 65535 | 0 |
| 16-0996 | Access Code Floor 6R | Sets the Access Code for Floor 6 Rear | 0 | 65535 | 0 |
| 16-0997 | Access Code Floor 7R | Sets the Access Code for Floor 7 Rear | 0 | 65535 | 0 |
| 16-0998 | Access Code Floor 8R | Sets the Access Code for Floor 8 Rear | 0 | 65535 | 0 |
| 16-1046 | Terminal Express floors | The MSByte is for top floor and the LSByte is for the bottom floor on terminal express mode of operation | 0 | 65535 | 0 |
| 16-1047 | Custom Floor IndexAndDwell Time 1s | If the first 8 bits are set to nonzero, overrides the hall dwell time when at the custom floor. The custom floor is set by the second 8-bits of the parameter. | 0 | 65535 | 0 |
| 24-0000 through 24-0095 | PI_0 through P1_95 | N/A | 0 | 16777215 | config |
| 24-0096 through 24-0191 | LRN FLR 0 through LRN FLR 95 | N/A | 0 | 16777215 | 0 |

20 Hall Board Parameters

The table below lists the Hall Board parameters.

Table 19: Hall Board Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|-----------------------------|---|-----------|-----------|---------------|
| 01-0195 | ENA Ext. Hall Boards | When set to ON, they system is using 12-DIP Hall boards. | 0 | 1 | config |
| 08-0146 | Override Group Hall Mask | When the input "Override Group Hall Mask" is activated the car will use this parameter as a hall call mask for the car | 0 | 255 | 0 |
| 08-0178 | Linked Hall Mask 1 | Sets which function groups of Hall boards that have their outputs tied together. For example, if set to 7 a hall button press triggers the lamp output on function 1, function 2 and function 3 Hall board for that floor. This value is a hall mask. See the C4 User Manual for more details on how these masks are set. | 0 | 255 | config |
| 08-0179 | Linked Hall Mask 2 | Same as Linked Hall Mask 1. Used when multiple sets of linked hall buttons are needed. | 0 | 255 | config |
| 08-0180 | Linked Hall Mask 3 | Same as Linked Hall Mask 1. Used when multiple sets of linked hall buttons are needed. | 0 | 255 | config |
| 08-0181 | Linked Hall Mask 4 | Same as Linked Hall Mask 1. Used when multiple sets of linked hall buttons are needed. | 0 | 255 | config |
| 08-0208 | Hall Security Mask | Sets which Hall board address ranges require hall security. Set this parameter the same as the hall call mask (08-0209) is set. This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | 0 | 255 | config |
| 08-0209 | Hall Call Mask | Sets which Hall board function groups the car. This function treats as regular hall calls. | 0 | 255 | config |
| 08-0210 | Hall Medical Mask | Sets which Hall board function groups are medical calls | 0 | 255 | config |
| 08-0211 | Hall Rear Door Mask | Sets which Hall board function groups are rear calls | 0 | 255 | config |
| 08-0212 | Swing Call Mask | Sets which Hall board function groups are swing calls | 0 | 255 | config |
| 08-0258 | Hall Medical Rear Door Mask | Sets which Hall board function groups are rear door medical calls. When set 08-0210 | 0 | 255 | config |

HallMedicalMask differentiates front, and this parameter defines rear. If zero, 08-0210 HallMedicalMask does both.

21 Independent Service Parameters

The table below lists the Independent Service parameters.

Table 20: Independent Service Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|--|--|-----------|-----------|---------------|
| 01-0236 | Independent Srv. Ignore Front CCB | When set to ON, the Front CCB will be ignored while on Independent Service. (Feature Request). | 0 | 1 | 0 |
| 01-0262 | IND SRV CCB Closes Door | When set to ON, while on Independent Service, CCBs will close doors. | 0 | 1 | 0 |
| 01-0318 | Independent Service Overrides Reset Service Code | When set to on, Independent Service overrides the Reset Service Code and the elevator travels normally | 0 | 1 | 0 |
| 08-0121 | Group Car Index | Sets the car's group ID. This value is zero -based. | 0 | 7 | config |
| 08-0125 | Run Log Scaling | Sets the resolution of captured run logs. Units are in 50 ms counts. | 0 | 255 | 4 |
| 08-0127 | Motion Resolution | Sets the resolution of the commanded pattern. Units are in milliseconds. | 3 | 20 | 10 |

22 Landing System Parameters

The table below lists the Landing System parameters.

Table 21: Landing System Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|------------------------------|--|-----------|-----------|---------------|
| 01-0038 | ENA Landing Insp. | Enables Landing Inspection operation when the MR board DIP 3B is on. | 0 | 1 | 0 |
| 01-0057 | DISA CEDES Faults | Disables CEDES offline faults. This option should be left off and is for test purposes only. | 0 | 1 | 0 |
| 01-0147 | ENA CEDES2 | Enables updated CEDES protocol v2.0. | 0 | 1 | 0 |
| 01-0148 | ENA 2nd Camera for ETSL TSRD | Enables a secondary CEDES unit (which connects to the COP) and ETSL/TSRD stop point checks. NOTE: Used for Canada jobs | 0 | 1 | 0 |

| | | | | | |
|----------------|--------------------------------|---|----|----------|----|
| 01-0296 | Enable ELGO | Enables ELGO Landing System. Overrides CEDES. | 0 | 1 | 0 |
| 08-0243 | CEDES Alarm Time 100ms | When a CEDES camera reports difficulty reading the tape an alarm signaling that maintenance cleaning needs to be performed will be asserted. A1457 to A1459. The CEDES read difficulty status is debounced by this timer. If this value is 0, the alarms are disabled. This value is in 100ms counts. | 10 | 255 | 10 |
| 08-0260 | APS Error Code Debounce | Debounce setting for detecting a consistent error on the APS system. (CEDES/ELGO) | 0 | 255 | 8 |
| 08-0278 | ELGO Frozen Count Offset | This parameter adds an offset to the ELGO Frozen Count Initial Threshold | 0 | 255 | 25 |
| 16-0865 | Acceptance Slide Distance | Distance in CEDES count that the car slides during ETSL slide test | 0 | 65535 | 0 |
| 16-0866 | Acceptance_E Brk_SlideDistance | Distance in CEDES count that the car slide during brake slide test. | 0 | 65535 | 0 |
| 16-0926 | ETSL Camera Offset | The position difference between the primary CEDES camera and the ETSL camera. The ETSL camera is placed above the primary camera. This value is generated automatically when the car is put in learn mode. Units are in 0.019-inch counts. | 0 | 65535 | 0 |
| 24-0192 | COUNTER_W EIGHT_MID_POINT | The counterweight position is used to determine the recall floor during counter weight derailed operation. Units are in CEDES counts. | 0 | 16777215 | 0 |

23 Load Weighing Parameters

The table below lists the Load Weighing parameters.

Table 22: Load Weighing Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|----------------------|--|-----------|-----------|---------------|
| 01-0066 | LWD ENA WiFi | When set to ON, the C4 system commands the Smartrise load weighing device to enable its Wi-Fi connection | 0 | 1 | 0 |
| 01-0068 | LWD Auto Recalibrate | When set to ON, the car regularly recalibrates its load weigher device | 0 | 1 | 0 |

| | | | | | |
|----------------|------------------------------|---|---|-----|--------|
| 01-0070 | LWD Trigger Recalibrate | When set to ON, the car performs a load weighing device empty load recalibration | 0 | 1 | 0 |
| 01-0071 | LWD Trigger Load Learn | When set to ON, the car performs load weighing device full load calibration | 0 | 1 | 0 |
| 01-0078 | Debug LWD | When set to ON, allows for viewing of load weighing device packet receive counts and raw load values. | 0 | 1 | 0 |
| 01-0190 | EnablePre torque Test | When set to ON, enables test feature which outputs a fixed pretorque value to the drive, specified by LWD_TorqueOffset (08-132) | 0 | 1 | 0 |
| 01-0273 | ENA LWD V2 | When set to ON, serial LWD will use the improved calibration procedure for LWD v1.4.00 and later. When set to OFF, the serial SWD will use the calibration procedure for LWD v1.3.16 and prior. | 0 | 1 | config |
| 01-0281 | RescueDirWith SerialLWD | When set to ON, a car on auto battery rescue will determine which direction to move using the pretorque value estimated by the C4 serial load weighing device. When set to OFF, the car will determine direction by discrete full load and light load signals (if 01-0105 is OFF) or the drive will determine the easiest direction (if 01-0105 is ON). | 0 | 1 | config |
| 08-0132 | LWD Torque Offset | Sets an offset to add to the Smartrise load weighing device torque percentage output. Value is a signed 8-bit integer. | 0 | 255 | 0 |
| 08-0133 | LWD Torque Scaling | Sets a scaling value to multiply by the torque output of the Smartrise load weighing device. The value is a signed 8-bit integer in percentage format. | 0 | 255 | 0 |
| 08-0135 | LoadWeigher Select | When set to zero, discrete load weigher signals are used. | 0 | 255 | 0 |
| 08-0205 | LWD Monthly Calibration Hour | Sets the time of day to automatically perform a load weighing device recalibration. Recalibration is performed on the first occurrence of this day on every month if automatic | 0 | 255 | 23 |

| | | | | | |
|----------------|-----------------------------|--|---|-----|---|
| | | recalibration is enabled (01-0068). | | | |
| 08-0206 | LWD Monthly Calibration Day | Sets the day of the week to automatically perform a load weighing device recalibration. Recalibration is performed on the first occurrence of this day on every month if automatic recalibration is enabled (01-0068). | 0 | 255 | 6 |

24 Miscellaneous Parameters

The table below lists the Miscellaneous parameters.

Table 23: Miscellaneous Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|----------------------------------|--|-----------|-----------|---------------|
| 01-0030 | VIP Priority Dispatching | Places car into VIP/Priority Dispatching. Allows for multiple cars in VIP mode to dispatch as a separate group. | 0 | 1 | config |
| 01-0034 | BYP Term Limits | Bypasses terminal limit faults. This option is automatically turned off when in automatic operation. | 0 | 1 | 0 |
| 01-0037 | ENA Pit Insp. | Enables Pit Inspection operation when the MR board DIP 4B is on. | 0 | 1 | 0 |
| 01-0043 | ENA Midflight Destination Change | Enables changing destination during a run. This option should be left ON and is for test purposes only. | 0 | 1 | 1 |
| 01-0064 | DISA Preflight | Disables the end of run preflight check | 0 | 1 | 1 |
| 01-0072 | ENA Construction Run Box | Enables use of Construction Run Box inputs instead of MR Up and MR Down buttons for construction operation motion. These inputs are labeled CUP, CDN, and MDC on the MR board. | 0 | 1 | 0 |
| 01-0075 | IC Insp.Reg For CT | Requires in car inspection to enable car top inspection. | 0 | 1 | 0 |
| 01-0080 | DISA OOS | Disables out of service | 0 | 1 | 1 |
| 01-0085 | NC INPUT CustomMode | Configures custom mode of operation used for test | 0 | 1 | 0 |
| 01-0105 | Rescue Rec Trv Dir | Enables recommended travel direction check during automatic rescue operation | 0 | 1 | 1 |

| | | | | | |
|----------------|------------------------------|---|---|---|---|
| 01-0107 | DEBUG MonitorCarDirection | Display car's direction priority on the controller's home screen. | 0 | 1 | 0 |
| 01-0116 | DISA IdleTravelArrows | When set to ON, CE travel arrows reflect the motion direction of the car. When set to OFF, the arrows reflect the motion direction of the car and the arrival direction after a run. | 0 | 1 | 0 |
| 01-0125 | Debug FastGroupResend | Doubles the minimum send rate of group network packets necessary for dispatching. This should be set to ON for every car to fully enable this feature. | 0 | 1 | 0 |
| 01-0129 | ENA OpModeAlarm | Enables a system alarm signalling when the mode of operation changes (A146) | 0 | 1 | 0 |
| 01-0130 | ENA StopAtNextAlarm | Enables a system alarm signalling when a car is commanded to stop at the next available landing (A74). This can occur if the car's current destination has been cleared during a run. | 0 | 1 | 0 |
| 01-0133 | ENA LatchesCC | When set to ON, car call enable latches a car call. | 0 | 1 | 0 |
| 01-0136 | DebounceLatchedFault | When set to ON, the latching of safety faults is debounced for 6 seconds instead of the standard 2.5 seconds. | 0 | 1 | 0 |
| 01-0142 | Buzzer Only On Nudge | When set to ON, during nudging the NDG output is suppressed and only the buzzer sounds. | 0 | 1 | 0 |
| 01-0145 | DefaultFRAM | Set ON to default the FRAM chip. This option is self -resetting. This clears fault/alarm logs, latched faults, emergency bits, and run counter. | 0 | 1 | 0 |
| 01-0150 | ENA EStopAlarms | Enables a system alarm signalling when the Estop is commanded without a corresponding fault (A69 to A76) | 0 | 1 | 0 |
| 01-0161 | Double Chime On Down | When set to ON, the car chimes twice when the down arrow is activated. Set to OFF if the fixture automatically chimes twice. | 0 | 1 | 0 |
| 01-0169 | FRAM ENA Alarms | When set to ON, a FRAM corruption check on read fails an alarm displays. | 0 | 1 | 1 |
| 01-0172 | In Motion Opening Alarm | When set to ON, if car top output 614 (DO) is on during a run, an | 0 | 1 | 0 |

| | | | | | |
|----------------|---------------------------|--|---|---|--------|
| | | alarm is asserted (A631). This is used for debugging. | | | |
| 01-0198 | CW Derail NO | When set to ON, CW derail inputs are normally open. | 0 | 1 | 0 |
| 01-0199 | ENA Board RTC | When set to ON, the onboard RTC is used instead of the D.A.D unit RTC. | 0 | 1 | 0 |
| 01-0206 | DISA DL20 Buzzer | When set to ON, DL20 fixture buzzer feature is suppressed. | 0 | 1 | config |
| 01-0224 | ENA Shield Alarms | When set ON, shield errors will be flagged as system alarms. | 0 | 1 | 1 |
| 01-0226 | ENA CE V2 | When set ON, messages to the CE fixture driver board will include dedicated out of service and fire phase 2 messages. | 0 | 1 | 0 |
| 01-0230 | DISA_CPLD_OVF_ALARM | When set to ON, disables the CPLD overflow alarm. | 0 | 1 | 0 |
| 01-0233 | ENA VIP T/O Alarm | When set to ON, if VIP has timed out an alarm will be asserted. | 0 | 1 | 0 |
| 01-0239 | EQ Old Job Support | When set to ON, the EQ lamp does not follow code 8.4.10.1(f) in order to support older jobs. | 0 | 1 | 0 |
| 01-0250 | CAM Output On Move | When set to OFF, CAM will output when Car is in motion and not pre-opening. When set to ON, CAM will output when Car is outside Door Zone or in Motion. | 0 | 1 | 0 |
| 01-0251 | Motor Overheat Latch | When set to ON, the Motor Overheat fault will be a latching fault. | 0 | 1 | 0 |
| 01-0252 | Learn_Improved | When set to ON, learn operation will be performed on the car top instead of the machine room. This can improve the accuracy of learned floor positions. | 0 | 1 | 0 |
| 01-0259 | Latch_CPLD_FAULTS | When set to ON, CPLD preflight failure and redundancy failure faults will remain latched until power is cycled to the car. | 0 | 1 | 1 |
| 01-0280 | Enable TEI CC | When set to ON, the module TEI CC is initialized, and Marshal Mode is disabled. When set to OFF, Marshal Mode is enabled, and the module TEI CC is disabled. After changing this parameter, a power cycle is required. | 0 | 1 | 0 |
| 01-0284 | Bypass Term HA Inspection | When set to ON, while on HA Inspection, the car will be able to | 0 | 1 | 0 |

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|----------------|---|---|---|-----|---|
| | | bypass term limits. Used in California for the run-by test. | | | |
| 01-0286 | Arrival Lantern on DOL | When set to ON, the arrival lanterns will assert when the DOL is reached as opposed to on DO or before DO. | 0 | 1 | 0 |
| 01-0304 | Enable COP SR TouchScr | When set to ON, COP will use Smartrise TouchScreen protocol. | 0 | 1 | 0 |
| 01-0322 | Enable CE Elite COP | When set to ON, COP will use CE Elite TouchScreen COP. | 0 | 1 | 0 |
| 01-0337 | Emotive Swap Indep.Service And Inspection | When set to ON, Emotive will swap the independent service mode and inspection mode display | 0 | 1 | 0 |
| 01-0339 | Support the collapsible type on CT Inspection | NA | 0 | 1 | 0 |
| 01-0346 | Enable Smartrise PI | When enabled, SRPI is enabled, and CE is disabled | 0 | 1 | 0 |
| 01-0353 | UM Redundancy Bypass | Bypass uninenteded movement redundancy with CPLD | 0 | 1 | 0 |
| 01-0362 | Keep Regen Output Active | When enabled, Regen output is always active | 0 | 1 | 0 |
| 01-0379 | CE MDBA Destination Display | When enabled the CE MDBA destination display logic is activated | 0 | 1 | 0 |
| 01-0392 | Latch Fault on DZ discrepancy | When set to ON, faults "At Floor No Door Zone" & "DZ Stuck High" becomes latching | 0 | 1 | 0 |
| 01-0395 | Enable CE Annunciator Vers 2 | When enabled, SRU works with the newest annunciator from CE | 0 | 1 | 0 |
| 08-0016 | Mode Of Operation Generic Output | Sets the mode of operation that when activated the generic output lamp is activated | 0 | 255 | 0 |
| 08-0048 | Time Violation Rate | Sets the tolerance for module run time. Units are in 1% of run period | 0 | 255 | 0 |
| 08-0049 | Acceptance ETSL Point | Sets the testing point for ETSL acceptance test. Zero is farthest from the terminal while seven is the closest to the terminal. | 0 | 7 | 0 |
| 08-0051 | VIP CarCall Timer (1s) | Sets the time in seconds allowed to place a car call after entering VIP mode with the doors fully open. | 5 | 255 | 5 |
| 08-0093 | Car Stability Delay (50ms) | Sets the amount of time the car must be stable (moving at 1 fpm or less) before it's allowed to | 0 | 255 | 0 |

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|----------------|--------------------------------|--|-----|-----|-----|
| | | perform a non-releveling run. This timer can be helpful if a car bounces due to rope stretch. Units are in 50 ms counts. | | | |
| 08-0115 | Fan And Light Timer | Sets the time the car may be idle before its fan and light output is turned off. If a longer timer is needed, the extended fan and light timer (08-184) should be used with the output MR Fan instead. Units are in seconds. | 0 | 255 | 0 |
| 08-0116 | Inspection OVSP Debounce Limit | Sets the time the car must be in an inspection overspeed state before a fault (F66) is flagged. The units are in 10 ms counts. | 0 | 100 | 10 |
| 08-0117 | DR Open OVSP Debounce Limit | Sets the time the car must be in a door open overspeed state before a fault (F67 to F74) is flagged. The units are in 10 ms counts. | 0 | 100 | 10 |
| 08-0118 | ETS OVSP Debounce Limit | Sets the time the car must be in an ETS overspeed state before a fault (F681 to F696) is flagged. The units are in 10 ms counts. | 0 | 100 | 10 |
| 08-0119 | SFP Debounce Limit | Sets the time that the SFP relay must be seen low before a fault (F52) is flagged. The units are in 10 ms counts. | 10 | 255 | 10 |
| 08-0120 | Rate To Send Parameters | Sets the rate parameter update packets is sent on the group network. The units are in 5 ms counts. | 0 | 255 | 20 |
| 08-0124 | OfflineCtrlTime r | Sets the minimum rate at which packets are sent from each of the main system processors | 100 | 255 | 100 |
| 08-0131 | Max Runtime (1s) | Sets the max straight run time allowed in automatic operation before the car faults (F116). If set to zero, this fault is suppressed. Units are in seconds. | 0 | 255 | 180 |
| 08-0137 | Timeout Lock and CAM (100ms) | Sets the timeout which accounts for the delay between CAM activation and locks being made for manual doors. The units are in 100 ms counts. If set to zero, value defaults to 4 seconds. | 0 | 255 | 40 |
| 08-0138 | AccessCode CCB Time (1s) | Sets the time the user must enter each CCB for access code. This timer will reset every time the user enters a CCB for access code. | 0 | 255 | 5 |

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|----------------|--------------------------------|--|---|-----|----|
| 08-0140 | Releveling Delay (50ms) | Sets a delay before performing releveling. This timer can be helpful if a car bounces due to rope stretch. Units are in 50 ms counts. | 0 | 255 | 10 |
| 08-0142 | NumResendRunLog | Sets the number of times to resend each run log packet | 0 | 255 | 10 |
| 08-0151 | Time Violation Module | Sets which module to check against the 16–924-time violation setting. If set to zero, all modules are checked. | 0 | 255 | 0 |
| 08-0160 | HourlyFaultLimit | Sets the number faults allowed within a one-hour window before the car goes out of service. If the car goes out of service, it remains out of service until the hour window elapses. | 5 | 255 | 10 |
| 08-0173 | CPLD Offline Timeout 10ms | Sets the timeout used when the CPLD offline alarms are enabled (01-135). Units are in 10 millisecond counts. | 5 | 255 | 50 |
| 08-0184 | MR Fan Timer (min) | Sets the time the car may be idle before its machine room fan output is turned off. Units are in minutes. | 0 | 255 | 0 |
| 08-0188 | DSD Pretorque Delay (50ms) | Sets the pretorque assertion time prior to the start sequence. Only valid if DSD extended pretorque option is set (01-117). If set to zero, the value defaults to 200 ms. | 0 | 255 | 4 |
| 08-0190 | CCB Recent Press Timer (100ms) | Sets the time the lamp output is lit after a car call button is pressed | 0 | 255 | 2 |
| 08-0194 | Motion Direction Stage Plus1 | When zero, direction is asserted during the accel delay start sequence stage. Otherwise, motion direction is asserted based on the start sequence enumeration <code>en_motion_start_sequence</code> plus 1. | 0 | 255 | 0 |
| 08-0196 | Max Starts Per Minute | Specifies how many times the car may attempt to start a run in Automatic operation during a 1-minute window. If the controller attempts additional runs, the car goes out of service until the real-time clock increments to the next minute. Set this parameter to zero to disable the feature. | 0 | 255 | 10 |

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|----------------|------------------------------|--|---|-------|--------|
| 08-0245 | Group Number | Sets the group number. This value is zero -based. | 0 | 7 | config |
| 08-0248 | AccelDelayRLV L 10ms | Sets the start of run delay between energizing the motor and commanding nonzero speed. This timer is used when starting a releveling run. This timer is set in 10 millisecond counts. | 0 | 255 | 40 |
| 08-0252 | HA Access Slide Distance 1in | This is the distance added to parameter 08-0110 and 08-0094 that a car is allowed to be within from the Top/Bottom DZ limit when traveling towards the respective terminal. | 1 | 255 | 6 |
| 08-0255 | DIP Bank to Override | Use this parameter to override a specific DIPA Bank. Disabled by default, zero. If not zero, 1 - MR_BANKA, 2 - CT_BANKA, 3 - COP_BANKA. | 0 | 255 | 0 |
| 08-0256 | DIP Bank Bitmask | If DIP_Bank_Override is not zero, the specific DIP bank will be ignored, using this parameter as logical DIP bank. | 0 | 255 | 0 |
| 08-0257 | Discrete PI Timeout | Timeout in seconds to stop updating the discrete PI board. Discrete Board will timeout after 2 seconds and revert to default outputs. | 0 | 255 | 0 |
| 08-0274 | Regen Enable On Delay Sec | Sets a delay time (in seconds) before activating the REGEN Enable output once all conditions are met. | 0 | 255 | 0 |
| 16-0876 | LockClipTime (10 ms) | Sets the debounce for lock and Gate switch open faults when the car is outside of door zone (see F163, F164, F165, F166, F167, F168, F169, F170). When set to zero, this timer defaults to 500ms. Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 1 | 50 | 50 |
| 16-0924 | Module Time Violation (ms) | Any module that runs longer than this set value triggers an alarm | 0 | 65535 | 0 |
| 16-1044 | Bypass GSW Check Distance | Distance from floor level in which GSW check is bypassed in manual doors. Units are in 0.019-inch counts. | 0 | 65535 | 0 |
| 16-1045 | Lockout Screen Code | This is the code required to enter to have access to the internal | 0 | 9999 | 0 |

menu. When 0, the lockout feature is disabled.

25 MR Board Parameters

The table below lists the MR Board parameters.

Table 24: MR Board Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|--------------------------------|------------------------|---|-----------|-----------|---------------|
| 01-0124 | IncreaseMRB SendRate | Doubles the minimum send rate of packets from the MRB processor to the reset of the car's main boards. This option is for test only and should remain OFF. | 0 | 1 | 0 |
| 01-0126 | ENA PreflightTest DIP | When set to ON, turning on MR board DIP 7B triggers a preflight check. | 0 | 1 | 0 |
| 01-0137 | ENA OldFRAM | When set to ON, the MR board is configured to work with old FRAM hardware. | 0 | 1 | 0 |
| 01-0354 | Enable Postflight Only | When enabled, the preflight is always done after the travel | 0 | 1 | 0 |
| 16-0000 through 16-0007 | MR IN (1-8) | Set the MR board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0392 through 16-0399 | MR OUT (1-8) | Assign MR board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

26 NTS Parameters

The table below lists the NTS parameters.

Table 25: NTS Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|-----------------|---|-----------|-----------|---------------|
| 01-0063 | DISA NTS Update | Disables updating of NTS points. Used for debugging purposes and should be turned on only to temporarily manually adjust NTS trip points. | 0 | 1 | 0 |
| 01-0067 | Invert NTS Stop | Changes machine room NTS output from active high to active low. | 0 | 1 | config |

| | | | | | |
|--|----------------------------|---|---|-------|----|
| | | Needed for KEB drives. This option is obsolete for newer hardware running CPLD v1.1 or CPLD 3.7 and newer. These versions of hardware should invert NTS via the MR SRU DIP B1 and should leave this parameter set to OFF. | | | |
| 01-0153 | DISA NonTerminal NTS | When set to OFF, during an NTS trip, the car stops at the first door zone passed after reaching NTS speed. When set to ON, the car stops at its original destination. | 0 | 1 | 1 |
| 08-0128 | ETS Offset From NTS | Sets the position offset from generated NTS trip points to applied to ETS trip points. Units are in 0.2-inch counts. | 0 | 255 | 10 |
| 08-0139 | NTS Debounce | Sets the time the car must be exceeding one of the eight NTS trip points before an NTS trip is flagged (A1 to A64). Units are in 25 ms counts. | 0 | 255 | 10 |
| 16-0784 | NTS VEL P1-0 | The velocity threshold of the first (closest to the terminal) NTS trip P1-0 for the normal motion profile. This value is read only. | 0 | 65535 | 0 |
| 16-0785 through 16-0791 | NTS VEL P1- (1-7) | The velocity threshold of the NTS trip P1-(1-7) for the normal motion profile. This value is read only. | 0 | 65535 | 0 |
| 16-0792 through 16-0799 | NTS VEL P2- (0-7) | The velocity threshold of the NTS trip point P2-(0-7) for the inspection motion profile. This value is read only. | 0 | 65535 | 0 |
| 16-0800 through 16-0807 | NTS VEL P3- (0-7) | The velocity threshold of the NTS trip point P3-(0-7) for the emergency power motion profile. This value is read only. | 0 | 65535 | 0 |
| 16-0808 through 16-0815 | NTS VEL P4- (0-7) | The velocity threshold of the NTS trip point P4-(0-7) for the short motion profile. This value is read only. | 0 | 65535 | 0 |
| 16-0816 through 16-0823 | NTS POS P1- (0-7) | N/A | 0 | 65535 | 0 |
| 16-0824 through 16-0831 | NTS POS P2- (0-7) | N/A | 0 | 65535 | 0 |
| 16-0832 through 16-0839 | NTS POS P3- (0-7) | N/A | 0 | 65535 | 0 |

| | | | | | |
|--------------------------------|------------------|-----|---|-------|---|
| 16-0840 through 16-0847 | NTS POS P4-(0-7) | N/A | 0 | 65535 | 0 |
|--------------------------------|------------------|-----|---|-------|---|

27 OOS Parameters

The table below lists the OOS parameters.

Table 26: OOS Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|--------------------------------|---|-----------|-----------|---------------|
| 08-0254 | Reset Service Code Nb of Trips | Number of hall call trips before asserting Reset Service Code | 0 | 255 | 0 |
| 16-1042 | Reset Service Code | Reset service code after number of HC trips exceeded | 0 | 9999 | 0 |

28 Parking Parameters

The table below lists the Parking parameters.

Table 27: Parking Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|--------------------------------|------------------------------|--|-----------|-----------|---------------|
| 01-0089 | CustomMode ParkingEnabled | Configure custom mode to enable parking during test | 0 | 1 | 0 |
| 01-0146 | ENA DynamicParking | When set to ON, the parking floor is determined dynamically based on hall call history. | 0 | 1 | 0 |
| 01-0213 through 01-0220 | Dynamic Parking DO (1-8) | Sets the parking with door open option for the priority (1-8) dynamic parking landing, where priority 1 is the highest priority. If set to 0, the car will park with the doors closed. | 0 | 1 | 0 |
| 01-0263 | ENA Peak Dispatch | when set to ON, Enables the Remote Peak Parking dispatching inputs (Up/Down/Lobby peak) | 0 | 1 | 0 |
| 01-0293 | Enable Cycle Doors When Park | When parameter is set, and the door state is closed while parking, the door will open before closing | 0 | 1 | 0 |
| 01-0315 | Parking by Proximity | TBD | 0 | 1 | 0 |
| 08-0113 | Parking FLR | Sets the parking floor that is used if the parking timer (08-114) is nonzero and dynamic parking is off (01-146). This value is zero -based, so the bottom most floor is zero. | 0 | 255 | 0 |

| | | | | | |
|--------------------------------|--------------------------------------|--|---|-----|---|
| 08-0114 | Parking Timer | Sets the time it takes before an idle car is parked. If set to zero, parking is disabled. Units are in seconds. | 0 | 255 | 0 |
| 08-0215 through 08-0222 | Dynamic Parking Landing (1-8) Plus 1 | Sets the priority (1-8) dynamic parking landing, where priority 1 is the highest priority. If set to 0, this option is disabled. | 0 | 255 | 0 |

29 Riser Board Parameters

The table below lists the Riser Board parameters.

Table 28: Riser Board Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|--------------------------------|------------------|---|-----------|-----------|---------------|
| 01-0060 | ENA Riser Alarms | Enables system alarms used to signal Riser board errors | 0 | 1 | 0 |
| 16-0040 through 16-0047 | RIS1 IN (1-8) | Set the Riser1 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0048 through 16-0055 | RIS2 IN (1-8) | Set the Riser2 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0056 through 16-0063 | RIS3 IN (1-8) | Set the Riser3 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0064 through 16-0071 | RIS4 IN (1-8) | Set the Riser4 board input terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP INPUTS. Only two instances of each function are permitted. Inputs can also be inverted via SETUP SETUP I/O INVERT INPUTS. | 0 | 65535 | 0 |
| 16-0432 through 16-0439 | RIS1 OUT (1-8) | Set the Riser1 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP | 0 | 65535 | 0 |

| | | | | | |
|--------------------------------|----------------|--|---|-------|---|
| | | OUTPUTS. Only two instances of each function are permitted. | | | |
| 16-0440 through 16-0447 | RIS2 OUT (1-8) | Set the Riser2 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0448 through 16-0455 | RIS3 OUT (1-8) | Set the Riser3 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |
| 16-0456 through 16-0463 | RIS4 OUT (1-8) | Set the Riser4 board output terminal (1-8) functionality. Change via SETUP SETUP I/O SETUP OUTPUTS. Only two instances of each function are permitted. | 0 | 65535 | 0 |

30 Sabbath Parameters

The table below lists the Sabbath parameters.

Table 29: Sabbath Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|-------------------------|---|-----------|-----------|---------------|
| 01-0139 | Sabbath Key Only ENA | When set to ON, Sabbath operations are only activated by Keyswitch input. | 0 | 1 | 0 |
| 01-0140 | Sabbath KeyOrTimer ENA | When set to ON, Sabbath operation is activated by either Keyswitch input or configured Sabbath Start Time (24-193) and Sabbath End Time (24-194) | 0 | 1 | 0 |
| 01-0141 | Sabbath Timer Only ENA | When set to ON, Sabbath operation is activated only by the configured Sabbath Start Time (24-193) and Sabbath End Time (24-194). | 0 | 1 | 0 |
| 01-0197 | DISA Sabbath Releveling | When set to ON, releveling is disabled when on Sabbath operation. | 0 | 1 | 0 |
| 01-0223 | Sabbath Disable LWD | When set ON, sabbath mode neutralizes LWD. | 0 | 1 | 0 |
| 01-0234 | Sabbath ENA Ext Buzzer | When set to ON, the Sabbath closing buzzer on time, if enabled via the SabbathClosingBuzzer_100ms (08-0015), is extended from when the doors start to close to when the doors are fully closed. | 0 | 1 | 0 |

| | | | | | |
|----------------|------------------------------|--|---|------------|--------|
| 01-0242 | Sabbath Nudge Doors | When set to ON, doors Nudge instead of close during Sabbath. | 0 | 1 | 1 |
| 08-0015 | Sabbath Closing Buzzer 100ms | Sets the amount of time before doors begin to close that the door close buzzer is turned ON during Sabbath Mode. This buzzer output remains on until doors are fully closed. If set to zero, this feature is disabled. | 0 | 255 | 50 |
| 24-0193 | Sabbath_Start_Time | Sets the Friday start time for Sabbath when timer enable is set. Format is HHMM, for example, 12:34 PM is 1234. | 0 | 16777215 | 0 |
| 24-0194 | Sabbath_End_Time | Sets the Saturday end time for Sabbath when timer enable is set. Format is HHMM, for example, 12:34 PM is 1234. | 0 | 16777215 | 0 |
| 32-0023 | Sabbath Up Destinations 0 | Sets which floors to stop at during Sabbath up destinations 1-32. | 0 | 4294967295 | config |
| 32-0024 | Sabbath Up Destinations 1 | Sets which floors to stop at during Sabbath up destinations 33-64. | 0 | 4294967295 | config |
| 32-0025 | Sabbath Up Destinations 2 | Sets which floors to stop at during Sabbath up destinations 65-96. | 0 | 4294967295 | config |
| 32-0026 | Sabbath Down Destinations 0 | Sets which floors to stop at during Sabbath down destinations 1-32. | 0 | 4294967295 | config |
| 32-0027 | Sabbath Down Destinations 1 | Sets which floors to stop at during Sabbath down destinations 33-64. | 0 | 4294967295 | config |
| 32-0028 | Sabbath Down Destinations 2 | Sets which floors to stop at during Sabbath down destinations 65-96. | 0 | 4294967295 | config |
| 32-0036 | Sabbath Front Opening 0 | Floors 1 to 32 front openings when in Sabbath operation. | 0 | 4294967295 | config |
| 32-0037 | Sabbath Front Opening 1 | Floors 33 to 64 front openings when in Sabbath operation. | 0 | 4294967295 | config |
| 32-0038 | Sabbath Front Opening 2 | Floors 65 to 96 front openings when in Sabbath operation. | 0 | 4294967295 | config |
| 32-0039 | Sabbath Rear Opening 0 | Floors 1 to 32 rear openings when in Sabbath operation. | 0 | 4294967295 | config |
| 32-0040 | Sabbath Rear Opening 1 | Floors 33 to 64 rear openings when in Sabbath operation. | 0 | 4294967295 | config |
| 32-0041 | Sabbath Rear Opening 2 | Floors 65 to 96 rear openings when in Sabbath operation. | 0 | 4294967295 | config |

31 Digital S-curve Technology™ (U.S. Patent Pending) Parameters

The table below lists the Digital S-curve Technology™ (U.S. Patent Pending) parameters.

Table 30: Digital S-curve Technology™ (U.S. Patent Pending) Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|-----------------------|---|-----------|-----------|---------------|
| 08-0017 | Normal Accel | Sets the max acceleration rate used on normal profile runs. The normal profile is selected in all automatic operation runs longer than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second squared counts. | 10 | 80 | 20 |
| 08-0018 | Normal Jerk In Accel | Sets starting rate of acceleration change on normal profile runs. The normal profile is selected in all automatic operation runs longer than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |
| 08-0019 | Normal Jerk Out Accel | Sets the rate of acceleration change when approaching max speed on normal profile runs. The normal profile is selected in all automatic operation runs longer than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |
| 08-0020 | Normal Decel | Sets the max deceleration rate used on normal profile runs. The normal profile is selected in all automatic operation runs longer than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second squared counts. | 10 | 80 | 10 |
| 08-0021 | Normal Jerk In Decel | Sets the starting rate of deceleration change on normal profile runs. The normal profile is selected in all automatic operation runs longer than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |
| 08-0022 | Normal Jerk Out Decel | Sets the rate of deceleration change at the end of deceleration | 3 | 250 | 8 |

| | | | | | |
|----------------|--------------------------|--|----|-----|----|
| | | on normal profile runs. The normal profile is selected in all automatic operation runs longer than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | | | |
| 08-0023 | Quick Stop Decel | Sets the rate of deceleration used during an NTS trip. During an NTS trip, the drive ignores the controller's commanded speed and both ramp down their speeds independently. | 0 | 255 | 30 |
| 08-0024 | P1 Leveling Distance 5mm | Sets the distance from a floor at which the car transition to leveling speed (16-908) while on normal profile runs. The normal profile is selected in all automatic operation runs longer than minimum short profile distance (08-147), with exception of emergency power. When zero, the car does not transition to leveling speed. Units are in 0.2-inch counts. | 0 | 122 | 5 |
| 08-0025 | Insp. Accel | Sets the max acceleration rate used on inspection profile runs. The inspection profile is selected while in inspection mode. Units are in 0.1 feet per second squared counts. | 10 | 80 | 20 |
| 08-0026 | Insp. Jerk In Accel | Sets starting rate of acceleration change on inspection profile runs. The inspection profile is selected while in inspection mode. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |
| 08-0027 | Insp. Jerk Out Accel | Sets the rate of acceleration change when approaching max speed on inspection profile runs. The inspection profile is selected while in inspection mode. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |
| 08-0028 | Insp. Decel | Sets the max deceleration rate used on inspection profile runs. The inspection profile is selected while in inspection mode. Units are in 0.1 feet per second squared counts. | 10 | 160 | 10 |
| 08-0029 | Insp. Jerk Out Decel | This option is not used. | 3 | 250 | 8 |
| 08-0030 | Insp. Jerk In Decel | This option is not used. | 3 | 250 | 60 |

| | | | | | |
|----------------|-------------------|--|----|-----|----|
| 08-0032 | EP Accel | Sets the max acceleration rate used on E-Power profile runs. The E-Power profile is selected when in emergency power mode. Units are in 0.1 feet per second squared counts. Note, this profile takes effect when the car is running on generator or battery power. | 10 | 80 | 20 |
| 08-0033 | EP Jerk In Accel | Sets starting rate of acceleration change on E-Power profile runs. The E-Power profile is selected when in emergency power mode. Units are in 0.1 feet per second cubed counts. Note, this profile takes effect when the car is running on generator or battery power. | 3 | 250 | 20 |
| 08-0034 | EP Jerk Out Accel | Sets the rate of acceleration change when approaching max speed on E-Power profile runs. The E-Power profile is selected when in emergency power mode. Units are in 0.1 feet per second cubed counts. Note, this profile takes effect when the car is running on generator or battery power. | 3 | 250 | 20 |
| 08-0035 | EP Decel | Sets the max deceleration rate used on E-Power profile runs. The E-Power profile is selected when in emergency power mode. Units are in 0.1 feet per second squared counts. Note, this profile takes effect when the car is running on generator or battery power. | 10 | 80 | 10 |
| 08-0036 | EP Jerk In Decel | Sets the starting rate of deceleration change on E-Power profile runs. The E-Power run is used when on emergency power mode. Units are in 0.1 feet per second cubed counts. Note, this profile takes effect when the car is running on generator or battery power. | 3 | 250 | 20 |
| 08-0037 | EP Jerk Out Decel | Sets the rate of deceleration change at the end of deceleration on E-Power profile runs. The E-Power run is used when on emergency power mode. Units are in 0.1 feet per second cubed counts. Note, this profile takes effect when the car is running on generator or battery power. | 3 | 250 | 8 |

| | | | | | |
|----------------|----------------------|--|----|-----|----|
| 08-0038 | EP Leveling Distance | Sets the distance from a floor at which the car transitions to leveling speed (16-908) while on E-Power profile runs. The E-Power profile is selected when in emergency power mode. When zero, the car does not transition to leveling speed. Units are in 0.2-inch counts. | 0 | 122 | 5 |
| 08-0039 | Short Accel | Sets the max acceleration rate used on short profile runs. The short profile is selected in all automatic operation runs shorter than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second squared counts. | 10 | 80 | 20 |
| 08-0040 | Short Jerk In Accel | Sets starting rate of acceleration change on short profile runs. The short profile is selected in all automatic operation runs shorter than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |
| 08-0041 | Short Jerk Out Accel | Sets the rate of acceleration change when approaching max speed on short profile runs. The short profile is selected in all automatic operation runs shorter than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |
| 08-0042 | Short Decel | Sets the max deceleration rate used on short profile runs. The short profile is selected in all automatic operation runs shorter than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second squared counts. | 10 | 80 | 10 |
| 08-0043 | Short Jerk In Decel | Sets the rate of deceleration change when approaching a floor on short profile runs. The short profile is selected in all automatic operation runs shorter than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 20 |

| | | | | | |
|----------------|--------------------------------|--|---|-------|---|
| 08-0044 | Short Jerk Out Decel | Sets the rate of deceleration change at the end of deceleration on short profile runs. The short profile is selected in all automatic operation runs shorter than minimum short profile distance (08-147), with exception of emergency power. Units are in 0.1 feet per second cubed counts. | 3 | 250 | 8 |
| 08-0045 | Short Leveling Distance | Sets the distance from a floor at which the car transitions to leveling speed (16-908) while on short profile runs. The short profile is selected in all automatic operation runs shorter than minimum short profile distance (08-147), with exception of emergency power. When zero, the car will not transition to leveling speed. Units are in 0.2 inch counts. | 0 | 122 | 5 |
| 08-0147 | Short Profile Minimum Distance | Sets the distance below which the Short Motion profile is used instead of the Normal Motion profile. Units are in feet. | 0 | 255 | 0 |
| 16-0897 | Soft Limit Distance Up (ft) | Sets the distance away from the top terminal floor that the car switches to inspection terminal speed (16-875) during manual operation | 0 | 65535 | 2 |
| 16-0898 | Soft Limit Distance Down (ft) | Sets the distance away from the bottom terminal floor that the car switches to inspection terminal speed (16-875) during manual operation | 0 | 65535 | 2 |

32 Security Parameters

The table below lists the Security parameters.

Table 31: Security Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|--------------------------------|--|-----------|-----------|---------------|
| 01-0021 | Enable CC Secured Alarms | When set to ON, if a pressed CCB is secured, the CCB Secured alarm will be asserted. | 0 | 1 | 1 |
| 01-0065 | Independent Srv. Byp. Security | Ignores car call security when on independent service | 0 | 1 | 0 |
| 01-0086 | Custom | Configure custom mode to ignore all security car calls during test | 0 | 1 | 0 |

| | Mode IgnoreCar Call Security | | | | |
|----------------|--|---|---|-------|----------------------|
| 01-0087 | Custom Mode IgnoreHall Call Security | Configure custom mode to ignore all security hall calls during test | 0 | 1 | 0 |
| 01-0138 | ENA Hall Security | Enables hall call security | 0 | 1 | 0 |
| 01-0192 | ENA Check In Floor | Enables Check In Security | 0 | 1 | 0 |
| 01-0196 | Access Code follows Time Security | When set to ON, floors that are secured by an Access Code will only require a code if the time is within the valid time set for Time Security. If an invalid time is set (as in no time is set or time frame is set up wrong), Access Code will be bypassed. When set to OFF, access code is always required regardless of time, for opening where they are configured. | 0 | 1 | 0 |
| 01-0257 | ENA Remote Security | When set to ON, remote monitoring systems can enable car call and hall call security at different openings. | 0 | 1 | 0 |
| 01-0272 | ENA HC SEC BY CAR | "When set to OFF, the hall call security configuration on the master car is applied to all group cars. On hall call button press, hall security is evaluated before the call is latched. Latched calls are not reassessed if the call is secured after it is latched. By default this option should be OFF. | | | ENA HC SEC BY CAR |
| 16-0928 | Front Check In Security 0 | Front door check in security for floors 1 to 16. | 0 | 65535 | 0 |
| 16-0929 | Front Check In Security 1 | Front door check in security for floors 17 to 32. | 0 | 65535 | 0 |
| 16-0930 | Front Check In Security 2 | Front door check in security for floors 33 to 48. | 0 | 65535 | 0 |
| 16-0931 | Front Check In Security 3 | Front door check in security for floors 49 to 64. | 0 | 65535 | 0 |
| 16-0932 | Front Check In Security 4 | Front door check in security for floors 65 to 80. | 0 | 65535 | 0 |
| 16-0933 | Front Check In Security 5 | Front door check in security for floors 81 to 96. | 0 | 65535 | 0 |

| | | | | | |
|----------------|--------------------------|--|---|-------|--------|
| 16-0934 | Rear Check In Security 0 | Rear door check in security for floors 1 to 16. | 0 | 65535 | 0 |
| 16-0935 | Rear Check In Security 1 | Rear door check in security for floors 17 to 32. | 0 | 65535 | 0 |
| 16-0936 | Rear Check In Security 2 | Rear door check in security for floors 33 to 48. | 0 | 65535 | 0 |
| 16-0937 | Rear Check In Security 3 | Rear door check in security for floors 49 to 64. | 0 | 65535 | 0 |
| 16-0938 | Rear Check In Security 4 | Rear door check in security for floors 65 to 80. | 0 | 65535 | 0 |
| 16-0939 | Rear Check In Security 5 | Rear door check in security for floors 81 to 96. | 0 | 65535 | 0 |
| 16-0940 | Hall Secure Map F 0 | Hall call security map for front openings. Turns on hall call security for front openings on group landings 1 to 16. Edit via SETUP GROUP SETUP HALL SECURITY MAP (F). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | 0 | 65535 | config |
| 16-0941 | Hall Secure Map F 1 | Hall call security map for front openings. Turns on hall call security for front openings on group landings 17 to 32. Edit via SETUP GROUP SETUP HALL SECURITY MAP (F). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | 0 | 65535 | config |
| 16-0942 | Hall Secure Map F 2 | Hall call security map for front openings. Turns on hall call security for front openings on group landings 33 to 48. Edit via SETUP GROUP SETUP HALL SECURITY MAP (F). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). | 0 | 65535 | config |

| | | | | | |
|----------------|---------------------|---|---|-------|--------|
| | | <p>This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide.</p> | | | |
| 16-0943 | Hall Secure Map F 3 | <p>Hall call security map for front openings. Turns on hall call security for front openings on group landings 49 to 64. Edit via SETUP GROUP SETUP HALL SECURITY MAP (F). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide.</p> | 0 | 65535 | config |
| 16-0944 | Hall Secure Map F 4 | <p>Hall call security map for front openings. Turns on hall call security for front openings on group landings 65 to 80. Edit via SETUP GROUP SETUP HALL SECURITY MAP (F). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide.</p> | 0 | 65535 | config |
| 16-0945 | Hall Secure Map F 5 | <p>Hall call security map for front openings. Turns on hall call security for front openings on group landings 81 to 96. Edit via SETUP GROUP SETUP HALL SECURITY MAP (F). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide.</p> | 0 | 65535 | config |

| | | | | | |
|----------------|---|--|---|-------|---|
| 16-0973 | HC_Secure Timed BitmapF0 | Hall call timed security map for front openings. Turns on hall call security for front openings on group landings 1 to 16 | 0 | 65535 | 0 |
| 16-0974 | HC_Secure Timed BitmapF1 | Hall call timed security map for front openings. Turns on hall call security for front openings on group landings 17 to 32 | 0 | 65535 | 0 |
| 16-0975 | HC_Secure Timed BitmapF2 | Hall call timed security map for front openings. Turns on hall call security for front openings on group landings 33 to 48 | 0 | 65535 | 0 |
| 16-0976 | HC_Secure Timed BitmapF3 | Hall call timed security map for front openings. Turns on hall call security for front openings on group landings 49 to 64 | 0 | 65535 | 0 |
| 16-0977 | HC_Secure Timed BitmapF4 | Hall call timed security map for front openings. Turns on hall call security for front openings on group landings 65 to 80 | 0 | 65535 | 0 |
| 16-0978 | HC_Secure Timed BitmapF5 | Hall call timed security map for front openings. Turns on hall call security for front openings on group landings 81 to 96 | 0 | 65535 | 0 |
| 16-0979 | Weekday Start Time for Timed HC Security | Sets the Weekday Start Time for Timed Hall call Security. | 0 | 65535 | 0 |
| 16-0980 | Weekday End Time for Timed HC Security | Sets the Weekday End Time for Timed Hall Call Security. | 0 | 65535 | 0 |
| 16-0981 | Weekend Start Time for Timed HC Security | Sets the Weekend Start Time for Timed Hall Call Security. | 0 | 65535 | 0 |
| 16-0982 | Weekend End Time for Timed HC Security | Sets the Weekend End Time for Timed Hall Call Security. | 0 | 65535 | 0 |
| 16-0999 | Weekday Start Time for Timed CC Security | Sets the Weekday Start Time for Timed Car Call Security. | 0 | 65535 | 0 |
| 16-1000 | Weekday End Time for Timed CC Security | Sets the Weekday End Time for Timed Car Call Security. | 0 | 65535 | 0 |
| 16-1001 | Weekend Start Time for | Sets the Weekend Start Time for Timed Car Call Security. | 0 | 65535 | 0 |

| | | | | | |
|----------------|--|---|---|-------|--------|
| | Timed CC Security | | | | |
| 16-1002 | Weekend End Time for Timed CC Security | Sets the Weekend End Time for Timed Car Call Security. | 0 | 65535 | 0 |
| 16-1010 | HC_Secure Timed BitmapR0 | Hall call timed security map for rear openings. Turns on hall call security for rear openings on group landings 1 to 16 | 0 | 65535 | 0 |
| 16-1011 | HC_Secure Timed BitmapR1 | Hall call timed security map for rear openings. Turns on hall call security for rear openings on group landings 17 to 32 | 0 | 65535 | 0 |
| 16-1012 | HC_Secure Timed BitmapR2 | Hall call timed security map for rear openings. Turns on hall call security for rear openings on group landings 33 to 48 | 0 | 65535 | 0 |
| 16-1013 | HC_Secure Timed BitmapR3 | Hall call timed security map for rear openings. Turns on hall call security for rear openings on group landings 49 to 64 | 0 | 65535 | 0 |
| 16-1014 | HC_Secure Timed BitmapR4 | Hall call timed security map for rear openings. Turns on hall call security for rear openings on group landings 65 to 80 | 0 | 65535 | 0 |
| 16-1015 | HC_Secure Timed BitmapR5 | Hall call timed security map for rear openings. Turns on hall call security for rear openings on group landings 81 to 96 | 0 | 65535 | 0 |
| 16-1035 | Hall Secure Map R 0 | Hall call security map for rear openings. Turns on hall call security for rear openings on group landings 1 to 16. Edit via SETUP GROUP SETUP HALL SECURITY MAP (R). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | 0 | 65535 | config |
| 16-1036 | Hall Secure Map R 1 | Hall call security map for rear openings. Turns on hall call security for rear openings on group landings 17 to 32. Edit via SETUP GROUP SETUP HALL SECURITY MAP (R). Which hall | 0 | 65535 | config |

| | | | | | |
|----------------|---------------------|--|---|-------|--------|
| | | board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | | | |
| 16-1037 | Hall Secure Map R 2 | Hall call security map for rear openings. Turns on hall call security for rear openings on group landings 33 to 48. Edit via SETUP GROUP SETUP HALL SECURITY MAP (R). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | 0 | 65535 | config |
| 16-1038 | Hall Secure Map R 3 | Hall call security map for rear openings. Turns on hall call security for rear openings on group landings 49 to 64. Edit via SETUP GROUP SETUP HALL SECURITY MAP (R). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | 0 | 65535 | config |
| 16-1039 | Hall Secure Map R 4 | Hall call security map for rear openings. Turns on hall call security for rear openings on group landings 65 to 80. Edit via SETUP GROUP SETUP HALL SECURITY MAP (R). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01- | 0 | 65535 | config |

| | | | | | |
|----------------|------------------------|--|---|------------|--------------|
| | | 0272) is ON, this parameter is car specific instead of shared group wide. | | | |
| 16-1040 | Hall Secure Map R 5 | Hall call security map for rear openings. Turns on hall call security for rear openings on group landings 81 to 96. Edit via SETUP GROUP SETUP HALL SECURITY MAP (R). Which hall board function ranges are affected by this mask is set by the Hall Security Mask (08-0208). This should be set the same on all group cars. If EnableHCSecurityByCar (01-0272) is ON, this parameter is car specific instead of shared group wide. | 0 | 65535 | config |
| 24-0195 | Job ID | N/A | 0 | 16777215 | config |
| 24-0196 | Payment Passcode | N/A | 0 | 16777215 | 0 |
| 32-0008 | Front Security Map 0 | Front door car call security map for floors 1 to 32. Edit via SETUP FLOORS SECURITY (F). | 0 | 4294967295 | Job Specific |
| 32-0009 | Front Security Map 1 | Front door car call security map for floors 33 to 64. Edit via SETUP FLOORS SECURITY (F). | 0 | 4294967295 | config |
| 32-0010 | Front Security Map 2 | Front door car call security map for floors 65 to 96. Edit via SETUP FLOORS SECURITY (F). | 0 | 4294967295 | config |
| 32-0012 | Rear Security Map 0 | Rear door car call security map for floors 1 to 32. Edit via SETUP FLOORS SECURITY (R). | 0 | 4294967295 | config |
| 32-0013 | Rear Security Map 1 | Rear door car call security map for floors 33 to 64. Edit via SETUP FLOORS SECURITY (R). | 0 | 4294967295 | config |
| 32-0014 | Rear Security Map 2 | Rear door car call security map for floors 65 to 96. Edit via SETUP FLOORS SECURITY (R). | 0 | 4294967295 | config |
| 32-0016 | Secure Timed BitmapF 0 | Front door car call timed security map for floors 1 to 32. Edit via SETUP FLOORS Timed CC security Enable Floor (F) | 0 | 4294967295 | config |
| 32-0017 | Secure Timed BitmapF 1 | Front door car call timed security map for floors 33 to 64. Edit via SETUP FLOORS Timed CC security Enable Floor (F) | 0 | 4294967295 | config |
| 32-0018 | Secure Timed BitmapF 2 | Front door car call timed security map for floors 65 to 96. Edit via | 0 | 4294967295 | config |

| | | | | | |
|----------------|------------------------|---|---|------------|--------|
| | | SETUP FLOORS Timed CC security Enable Floor (F) | | | |
| 32-0020 | Secure Timed BitmapR 0 | Rear door car call timed security map for floors 1 to 32. Edit via SETUP FLOORS Timed CC security Enable Floor (R) | 0 | 4294967295 | config |
| 32-0021 | Secure Timed BitmapR 1 | Rear door car call timed security map for floors 33 to 64. Edit via SETUP FLOORS Timed CC security Enable Floor (R) | 0 | 4294967295 | config |
| 32-0022 | Secure Timed BitmapR 2 | Rear door car call timed security map for floors 65 to 96. Edit via SETUP FLOORS Timed CC security Enable Floor (R) | 0 | 4294967295 | config |

33 Speed Parameters

The table below lists the Speed parameters.

Table 32: Speed Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|----------------|------------------------|---|-----------|-----------|---------------|
| 01-0039 | Improved Max SPD | When set to ON, a run's peak speed is checked in 5% steps instead of 10%. This along with turning off (01-174) makes the peak run speeds closer to the theoretical peak speed for the given Digital S-curve Technology™ (U.S. Patent Pending) settings. | 0 | 1 | 0 |
| 01-0069 | ENA SPD Dev Control | Enables smoothing of the speed command pattern. This option should be left ON and is for test purposes only. | 0 | 1 | 1 |
| 01-0073 | DISA Construction OVSP | Disables the construction overspeed fault (F255) | 0 | 1 | 1 |
| 01-0174 | Reduced Max SPD | When set to ON, max run speed calculations are estimated based on 115% of the expected required run distance instead of 105%. | 0 | 1 | 0 |
| 01-0271 | ENA FIXED RLVL | When set to ON, the car's releveling runs will skip the standard Digital S-curve Technology™ (U.S. Patent Pending) control and instead command a fixed speed throughout the releveling run. This fixed speed is MinRelevelSpeed (08-0195). | 0 | 1 | 0 |

| | | | | | |
|----------------|------------------------------|--|----|-------|--------|
| 01-0283 | Bypass Term Ignores Term Spd | When set to ON, while on Inspection, if Bypass Term Limit is turned ON, as the car approaches the soft limit distance of either terminal, terminal spd will be ignored and the controller will continue to command the inspection speed. | 0 | 1 | 1 |
| 08-0046 | Leveling Decel 01fps | Sets the rate of decel from leveling speed. Units are in 0.1 feet per second squared. | 20 | 255 | 255 |
| 08-0047 | NTSD Speed | Sets the target speed used during a NTS trip. Units are in feet per minute. | 1 | 20 | 10 |
| 08-0136 | General OVSP Debounce Limit | Sets the time the car must be in a general overspeed state before a fault (F64) is flagged. The units are in 10 ms counts. | 0 | 255 | 10 |
| 08-0143 | Auto Rescue Spd (fpm) | Sets the max speed to use during auto rescue operation | 0 | 255 | config |
| 08-0159 | Construction OVSP Debounce | Sets the time the car must be in a construction overspeed state before a fault (F255) is flagged. The units are in 10 ms counts. | 0 | 100 | 10 |
| 08-0182 | ETSL OVSP Debounce Limit | Sets the time the car must be in an ETSL overspeed state before a fault (F697 to F712) is flagged. The units are in 10 ms counts. | 0 | 255 | 10 |
| 08-0183 | RatedBuffer Spd 10fpm | Sets the rated buffer speed. Used for checking reduced speed buffer faults (F677 to F680) which evaluate if ETSL points are placed far enough out to prevent striking the buffer above the rated speed. Units are in 10 fpm counts. | 0 | 255 | config |
| 08-0195 | Min Relevel Speed | Sets the minimum acceleration speed at the start of a releveling run. | 0 | 255 | 1 |
| 08-0207 | Access Speed (fpm) | Sets the speed used when in access mode. The controller faults if this is higher than 150 fpm. | 0 | 150 | 20 |
| 08-0225 | EQ Hoistway Scan Speed | Sets the speed used during EQ Hoistway Scan. | 10 | 150 | 75 |
| 08-0263 | Target Leveling Time | Default 2 seconds if not set. | 0 | 255 | 20 |
| 16-0862 | Acceptance A/D SPD | Sets the car speed for A/D overspeed acceptance testing | 0 | 65535 | config |
| 16-0864 | Acceptance Buffer SPD | Sets the car speed for buffer acceptance testing. | 0 | 65535 | config |

| | | | | | |
|----------------|-------------------------------|---|----|-------|--------|
| 16-0872 | Contract SPD | Sets the max speed of the car. Requires system power cycle after changing to clear the "Need To Cycle Pwr" fault (F83/F717/F718). | 10 | 1600 | config |
| 16-0873 | Inspection SPD | Sets the speed used when in inspection mode, but not in access mode. The controller faults if this is higher than 150 fpm. | 0 | 150 | 50 |
| 16-0874 | Learn SPD | Sets the speed used when in learn mode. Controller faults if this is higher than contract speed. | 0 | 1600 | 25 |
| 16-0875 | Inspection Terminal SPD | Sets the speed the car uses while in inspection and within the configured soft limit distance (16-897 and 16-898) of a terminal floor | 0 | 30 | 15 |
| 16-0877 | Min Accel SPD | Sets the minimum commanded speed used during acceleration. Necessary for quick recovery from rollback and cases of limited drive control at low speeds. | 1 | 25 | 1 |
| 16-0878 | EPower SPD fpm | Sets the speed the car uses while in emergency power mode. Set to 10 fpm at minimum. | 0 | 65535 | 10 |
| 16-0902 | SPD Dev Threshold | Sets the time speed deviation must be detected before a fault is set (F9). | 0 | 65535 | 100 |
| 16-0903 | SPD Dev Timeout (10 ms) | Sets the time speed deviation must be detected before a fault is set (F9) | 0 | 65535 | 300 |
| 16-0904 | SPD Dev Percent | Sets the percent difference between the command speed and the car speed required to trip a speed deviation fault (F9) | 0 | 100 | 20 |
| 16-0905 | Traction Loss Threshold | Sets the minimum car speed required for a traction loss fault (F7) | 0 | 65535 | 100 |
| 16-0906 | Traction Loss Timeout (10 ms) | Sets the time traction loss must be detected before a fault is set (F7) | 0 | 65535 | 1000 |
| 16-0907 | Traction Loss Percent | Sets the percent difference between the encoder speed and the car speed required to trip a traction loss fault (F7) | 0 | 100 | 60 |
| 16-0908 | Leveling SPD | Sets the speed used in automatic operation when leveling into a floor. If leveling distance is zero, the leveling speed has no effect. | 1 | 20 | 5 |

34 Swing Mode Parameters

The table below lists the Swing Mode parameters.

Table 33: Swing Mode Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|------------------------------|--|-----------|-----------|---------------|
| 01-0082 | Swing Calls ENA | Allows swing calls to activate swing operation | 0 | 1 | 1 |
| 01-0083 | Swing Stay In Group | When set to ON, the car stays in group during swing operation | 0 | 1 | 0 |
| 01-0291 | Answer Swing Calls on Normal | Answer swing calls when car is on Normal | 0 | 1 | 0 |
| 08-0161 | Swing IdleTime 1s | If Swing mode is entered by a button press, this timer specifies how long to remain in Swing operation once the car is idle. | 0 | 255 | 10 |
| 16-0946 | Swing Door Opening F 0 | Set which front openings are manual swing hall doors for landing 1-16. When each bit is set ON, and when "Door Type Select Front" (08-0012) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0947 | Swing Door Opening F 1 | Set which front openings are manual swing hall doors for landing 17-32. When each bit is set ON, and when "Door Type Select Front" (08-0012) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0948 | Swing Door Opening F 2 | Set which front openings are manual swing hall doors for landing 33-48. When each bit is set ON, and when "Door Type Select Front" (08-0012) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0949 | Swing Door Opening F 3 | Set which front openings are manual swing hall doors for landing 49-64. When each bit is set ON, and when "Door Type Select Front" (08-0012) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0950 | Swing Door Opening F 4 | Set which front openings are manual swing hall doors for landing 65-80. When each bit is set ON, and when "Door Type Select Front" (08-0012) is set to SWING (3). | 0 | 65535 | config |

| | | | | | |
|----------------|------------------------|--|---|-------|--------|
| | | When a bit is OFF, that opening is assumed to have automatic hall doors. | | | |
| 16-0951 | Swing Door Opening F 5 | Set which front openings are manual swing hall doors for landing 81-96. When each bit is set ON, and when "Door Type Select Front" (08-0012) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0952 | Swing Door Opening R 0 | Set which rear openings are manual swing hall doors for landing 1-16. When each bit is set ON, and when "Door Type Select Reart" (08-0013) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0953 | Swing Door Opening R 1 | Set which rear openings are manual swing hall doors for landing 17-32. When each bit is set ON, and when "Door Type Select Reart" (08-0013) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0954 | Swing Door Opening R 2 | Set which rear openings are manual swing hall doors for landing 33-48. When each bit is set ON, and when "Door Type Select Reart" (08-0013) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0955 | Swing Door Opening R 3 | Set which rear openings are manual swing hall doors for landing 49-64. When each bit is set ON, and when "Door Type Select Reart" (08-0013) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0956 | Swing Door Opening R 4 | Set which rear openings are manual swing hall doors for landing 65-80. When each bit is set ON, and when "Door Type Select Reart" (08-0013) is set to SWING (3). When a bit is OFF, that opening is assumed to have automatic hall doors. | 0 | 65535 | config |
| 16-0957 | Swing Door Opening R 5 | Set which rear openings are manual swing hall doors for landing 81-96. When each bit is set ON, and when "Door Type Select Reart" (08-0013) is set to SWING (3). When a bit is | 0 | 65535 | config |

OFF, that opening is assumed to have automatic hall doors.

35 XREG Parameters

The table below lists the XREG parameters.

Table 34: XREG Parameters

| Number | String | Description | Min Value | Max Value | Default Value |
|---------|---------------------------------|--|-----------|-----------|---------------|
| 01-0167 | XREG ENA In Motion Assignment | When set to ON, XREG assignments can be made even when the car reports it is in motion. This can help increase XREG car utilization and compensate for errors seen when the intended XREG car does not take the assigned call. | 0 | 1 | 1 |
| 01-0168 | XREG Priority From Arrival Dir | When set to ON, XREG car's direction priority are read from their last arrival lantern signal. If set to OFF, direction priority is up for even car numbers and down for odd car numbers. | 0 | 1 | 0 |
| 08-0167 | Attendant Dispatch Timeout (1s) | Sets the time the car has to respond to a destination assignment when on attendant service before it temporarily removes itself from group and the call is be reassigned. This prevents excessive delays in answering hall calls due to someone holding open the car door. If either the dispatch timeout (08-175) or dispatch offline (08-176) are set to zero, this feature is disabled. Units are in 1 second counts. | 10 | 255 | 60 |
| 08-0175 | Dispatch Timeout 1s | Sets the time the car has to respond to a destination assignment before it temporarily removes itself from group and the call is be reassigned. This prevents excessive delays in answering hall calls due to someone holding open the car door. If either the dispatch timeout (08-175) or dispatch offline (08-176) are set to zero, this feature is disabled. Units are in 1 second counts. | 10 | 255 | 30 |
| 08-0176 | Dispatch Offline 1s | Sets the time the car removes itself from the group after failing to take | 0 | 255 | 10 |

| | | | | | |
|----------------|-----------------------------|--|---|-----|----|
| | | an assigned call. If either the dispatch timeout (08-175) or dispatch offline (08-176) are set to zero, this feature is disabled. Units are in 1 second counts. | | | |
| 08-0177 | NumX RegCars | When set to zero, disables XREG (cross registration or alien) car dispatching. When set to nonzero, enables XREG dispatching. | 0 | 8 | 0 |
| 08-0192 | XREG Dest. Timeout (10s) | When nonzero, if an assigned XREG destination has not been cleared for the XREG Dest. Timeout (10s), the car is removed from group for the time set by XREG Dest. Offline (10s). | 0 | 255 | 15 |
| 08-0193 | XREG Dest. Offline (10s) | When nonzero, if an assigned XREG destination has not been cleared for the XREG Dest. Timeout (10s), the car is removed from group for the time set by XREG Dest. Offline (10s). | 0 | 255 | 3 |
| 08-0234 | XREG RecallDelay | The estimated time an alien cross registration car will take to move to the recall floor on emergency power. Value is in 1 second counts. | 0 | 255 | 30 |

Appendix – Conversion Chart

The table below provides decimal, hexadecimal, and binary equivalents.

Table 35: Conversion Chart

| DEC | HEX | BIN | DEC | HEX | BIN |
|-----|-----|----------|-----|-----|----------|
| 1 | 01 | 00000001 | 44 | 2C | 00101100 |
| 2 | 02 | 00000010 | 45 | 2D | 00101101 |
| 3 | 03 | 00000011 | 46 | 2E | 00101110 |
| 4 | 04 | 00000100 | 47 | 2F | 00101111 |
| 5 | 05 | 00000101 | 48 | 30 | 00110000 |
| 6 | 06 | 00000110 | 49 | 31 | 00110001 |
| 7 | 07 | 00000111 | 50 | 32 | 00110010 |
| 8 | 08 | 00001000 | 51 | 33 | 00110011 |
| 9 | 09 | 00001001 | 52 | 34 | 00110100 |
| 10 | 0A | 00001010 | 53 | 35 | 00110101 |
| 11 | 0B | 00001011 | 54 | 36 | 00110110 |
| 12 | 0C | 00001100 | 55 | 37 | 00110111 |
| 13 | 0D | 00001101 | 56 | 38 | 00111000 |
| 14 | 0E | 00001110 | 57 | 39 | 00111001 |
| 15 | 0F | 00001111 | 58 | 3A | 00111010 |
| 16 | 10 | 00010000 | 59 | 3B | 00111011 |
| 17 | 11 | 00010001 | 60 | 3C | 00111100 |
| 18 | 12 | 00010010 | 61 | 3D | 00111101 |
| 19 | 13 | 00010011 | 62 | 3E | 00111110 |
| 20 | 14 | 00010100 | 63 | 3F | 00111111 |
| 21 | 15 | 00010101 | 64 | 40 | 01000000 |
| 22 | 16 | 00010110 | 65 | 41 | 01000001 |
| 23 | 17 | 00010111 | 66 | 42 | 01000010 |
| 24 | 18 | 00011000 | 67 | 43 | 01000011 |
| 25 | 19 | 00011001 | 68 | 44 | 01000100 |
| 26 | 1A | 00011010 | 69 | 45 | 01000101 |
| 27 | 1B | 00011011 | 70 | 46 | 01000110 |
| 28 | 1C | 00011100 | 71 | 47 | 01000111 |
| 29 | 1D | 00011101 | 72 | 48 | 01001000 |
| 30 | 1E | 00011110 | 73 | 49 | 01001001 |
| 31 | 1F | 00011111 | 74 | 4A | 01001010 |
| 32 | 20 | 00100000 | 75 | 4B | 01001011 |
| 33 | 21 | 00100001 | 76 | 4C | 01001100 |
| 34 | 22 | 00100010 | 77 | 4D | 01001101 |
| 35 | 23 | 00100011 | 78 | 4E | 01001110 |
| 36 | 24 | 00100100 | 79 | 4F | 01001111 |
| 37 | 25 | 00100101 | 80 | 50 | 01010000 |
| 38 | 26 | 00100110 | 81 | 51 | 01010001 |
| 39 | 27 | 00100111 | 82 | 52 | 01010010 |
| 40 | 28 | 00101000 | 83 | 53 | 01010011 |
| 41 | 29 | 00101001 | 84 | 54 | 01010100 |
| 42 | 2A | 00101010 | 85 | 55 | 01010101 |
| 43 | 2B | 00101011 | 86 | 56 | 01010110 |

| | | | | | |
|-----|----|----------|-----|----|----------|
| 87 | 57 | 01010111 | 136 | 88 | 10001000 |
| 88 | 58 | 01011000 | 137 | 89 | 10001001 |
| 89 | 59 | 01011001 | 138 | 8A | 10001010 |
| 90 | 5A | 01011010 | 139 | 8B | 10001011 |
| 91 | 5B | 01011011 | 140 | 8C | 10001100 |
| 92 | 5C | 01011100 | 141 | 8D | 10001101 |
| 93 | 5D | 01011101 | 142 | 8E | 10001110 |
| 94 | 5E | 01011110 | 143 | 8F | 10001111 |
| 95 | 5F | 01011111 | 144 | 90 | 10010000 |
| 96 | 60 | 01100000 | 145 | 91 | 10010001 |
| 97 | 61 | 01100001 | 146 | 92 | 10010010 |
| 98 | 62 | 01100010 | 147 | 93 | 10010011 |
| 99 | 63 | 01100011 | 148 | 94 | 10010100 |
| 100 | 64 | 01100100 | 149 | 95 | 10010101 |
| 101 | 65 | 01100101 | 150 | 96 | 10010110 |
| 102 | 66 | 01100110 | 151 | 97 | 10010111 |
| 103 | 67 | 01100111 | 152 | 98 | 10011000 |
| 104 | 68 | 01101000 | 153 | 99 | 10011001 |
| 105 | 69 | 01101001 | 154 | 9A | 10011010 |
| 106 | 6A | 01101010 | 155 | 9B | 10011011 |
| 107 | 6B | 01101011 | 156 | 9C | 10011100 |
| 108 | 6C | 01101100 | 157 | 9D | 10011101 |
| 109 | 6D | 01101101 | 158 | 9E | 10011110 |
| 110 | 6E | 01101110 | 159 | 9F | 10011111 |
| 111 | 6F | 01101111 | 160 | A0 | 10100000 |
| 112 | 70 | 01110000 | 161 | A1 | 10100001 |
| 113 | 71 | 01110001 | 162 | A2 | 10100010 |
| 114 | 72 | 01110010 | 163 | A3 | 10100011 |
| 115 | 73 | 01110011 | 164 | A4 | 10100100 |
| 116 | 74 | 01110100 | 165 | A5 | 10100101 |
| 117 | 75 | 01110101 | 166 | A6 | 10100110 |
| 118 | 76 | 01110110 | 167 | A7 | 10100111 |
| 119 | 77 | 01110111 | 168 | A8 | 10101000 |
| 120 | 78 | 01111000 | 169 | A9 | 10101001 |
| 121 | 79 | 01111001 | 170 | AA | 10101010 |
| 122 | 7A | 01111010 | 171 | AB | 10101011 |
| 123 | 7B | 01111011 | 172 | AC | 10101100 |
| 124 | 7C | 01111100 | 173 | AD | 10101101 |
| 125 | 7D | 01111101 | 174 | AE | 10101110 |
| 126 | 7E | 01111110 | 175 | AF | 10101111 |
| 127 | 7F | 01111111 | 176 | B0 | 10110000 |
| 128 | 80 | 10000000 | 177 | B1 | 10110001 |
| 129 | 81 | 10000001 | 178 | B2 | 10110010 |
| 130 | 82 | 10000010 | 179 | B3 | 10110011 |
| 131 | 83 | 10000011 | 180 | B4 | 10110100 |
| 132 | 84 | 10000100 | 181 | B5 | 10110101 |
| 133 | 85 | 10000101 | 182 | B6 | 10110110 |
| 134 | 86 | 10000110 | 183 | B7 | 10110111 |
| 135 | 87 | 10000111 | 184 | B8 | 10111000 |

| | | | | | |
|-----|----|----------|-----|----|----------|
| 185 | B9 | 10111001 | 228 | E4 | 11100100 |
| 186 | BA | 10111010 | 229 | E5 | 11100101 |
| 187 | BB | 10111011 | 230 | E6 | 11100110 |
| 188 | BC | 10111100 | 231 | E7 | 11100111 |
| 189 | BD | 10111101 | 232 | E8 | 11101000 |
| 190 | BE | 10111110 | 233 | E9 | 11101001 |
| 191 | BF | 10111111 | 234 | EA | 11101010 |
| 192 | C0 | 11000000 | 235 | EB | 11101011 |
| 193 | C1 | 11000001 | 236 | EC | 11101100 |
| 194 | C2 | 11000010 | 237 | ED | 11101101 |
| 195 | C3 | 11000011 | 238 | EE | 11101110 |
| 196 | C4 | 11000100 | 239 | EF | 11101111 |
| 197 | C5 | 11000101 | 240 | F0 | 11110000 |
| 198 | C6 | 11000110 | 241 | F1 | 11110001 |
| 199 | C7 | 11000111 | 242 | F2 | 11110010 |
| 200 | C8 | 11001000 | 243 | F3 | 11110011 |
| 201 | C9 | 11001001 | 244 | F4 | 11110100 |
| 202 | CA | 11001010 | 245 | F5 | 11110101 |
| 203 | CB | 11001011 | 246 | F6 | 11110110 |
| 204 | CC | 11001100 | 247 | F7 | 11110111 |
| 205 | CD | 11001101 | 248 | F8 | 11111000 |
| 206 | CE | 11001110 | 249 | F9 | 11111001 |
| 207 | CF | 11001111 | 250 | FA | 11111010 |
| 208 | D0 | 11010000 | 251 | FB | 11111011 |
| 209 | D1 | 11010001 | 252 | FC | 11111100 |
| 210 | D2 | 11010010 | 253 | FD | 11111101 |
| 211 | D3 | 11010011 | 254 | FE | 11111110 |
| 212 | D4 | 11010100 | 255 | FF | 11111111 |
| 213 | D5 | 11010101 | | | |
| 214 | D6 | 11010110 | | | |
| 215 | D7 | 11010111 | | | |
| 216 | D8 | 11011000 | | | |
| 217 | D9 | 11011001 | | | |
| 218 | DA | 11011010 | | | |
| 219 | DB | 11011011 | | | |
| 220 | DC | 11011100 | | | |
| 221 | DD | 11011101 | | | |
| 222 | DE | 11011110 | | | |
| 223 | DF | 11011111 | | | |
| 224 | E0 | 11100000 | | | |
| 225 | E1 | 11100001 | | | |
| 226 | E2 | 11100010 | | | |
| 227 | E3 | 11100011 | | | |