

No. (Addr.)	Name	Description	Setting	Page
H5-05 (429H)	Communication Fault Detection Selection	All Modes common_ 0: Disabled 1: Enabled. If communication is lost for more than the time set in H5-09, a CE fault will occur.	Default: 1 Min: 0 Max: 1	<38>
H5-06 (42AH)	Drive Transmit Wait Time	All Modes common_ Set the wait time between receiving and sending data.	Default: 5 ms Min: 5 ms Max: 65 ms	<38>
H5-07 (42BH)	RTS Control Selection	All Modes common_ 0: Disabled. RTS is always on. 1: Enabled. RTS turns on only when sending.	Default: 1 Min: 0 Max: 1	<38>
H5-09 (435H)	CE Detection Time	All Modes common_ Sets the time required to detect a communications error. Adjustment may be needed when networking several drives.	Default: 2.0 s Min: 0.0 s Max: 10.0 s	<38>
H5-11 (43CH)	Communications ENTER Function Selection	All Modes common_ 0: Drive requires an Enter command before accepting any changes to parameter settings. 1: Parameter changes are activated immediately without the Enter command.	Default: 0 Min: 0 Max: 1	<38>
H5-12 (43DH)	Run Command Method Selection	All Modes common_ 0: FWD/Stop, REV/Stop 1: Run/Stop, FWD/REV	Default: 0 Min: 0 Max: 1	<38>

<32> If this parameter is set to 0, the drive will be unable to respond to MEMOBUS/Modbus commands.

<38> For details, refer to the FSDrive-MV1000 Instructions (Manual No. TOEP C710687 02).

Note: The settings for MEMOBUS/Modbus communications take effect after cycling power.

◆ L: Protection Function

L parameters provide protection to the drive and motor, such as: control during momentary power loss, main power supply, Stall Prevention, frequency detection, fault restarts, overtorque detection, torque limits, and other types of hardware protection.

No. (Addr.)	Name	Description	Setting	Page
L1: Motor Protection				
L1-01 (480H)	Motor Overload Protection Selection	All Modes common_ 0: Disabled 1: Enabled The drive may not be able to provide protection when using multiple motors, even if overload protection is enabled in L1-01. Set L1-01 to 0 and install separate thermal relays to each motor.	Default: <10> Min: 0 Max: 1	201
L1-02 (481H)	Motor Overload Protection Time	All Modes common_ Sets the motor thermal overload protection (oL1) time.	Default: 60.0 s Min: 1.0 s Max: 300.0 s	202
L1-06 (3120H)	Motor Overload Detection Start Level	All Modes common_ Sets the start level for motor overload detection as a percentage of the motor rated current. Set a value lower than the value for L1-07.	Default: 110% Min: 20% Max: 300%	202
L1-07 (3121H)	Motor Overload Detection Level	All Modes common_ Sets the level at which motor overload is detected as a percentage of the motor rated current. Set a value higher than the value for L1-06.	Default: 150% Min: 30% Max: 300%	202
L1-13 (46DH)	Continuous Electrothermal Operation Selection	All Modes common_ 0: Disabled 1: Enabled	Default: 1 Min: 0 Max: 1	202

1.3 Parameter Table

No. (Addr.)	Name	Description	Setting	Page
L2: Momentary Power Loss Ride-Thru/Main Power Supply				
L2-01 (485H)	Momentary Power Loss Ride-Thru Operation Selection	All Modes COMMON 0: Disabled. Drive trips on Uv1 fault when power is lost. 1: Recover within the time set in L2-02. Uv1 will be detected if power loss is longer than L2-02. 2: Recover as long as CPU has power. Uv1 is not detected.	Default: 0 Min: 0 Max: 2	203
L2-02 (486H)	Momentary Power Loss Ride-Thru Time	All Modes COMMON Sets the Power Loss Ride-Thru time. Enabled only when L2-01 = 1.	Default: <6> Min: 0.0 s Max: 25.5 s	204
L2-03 (487H)	Momentary Power Loss Ride-Thru Minimum Baseblock Time	All Modes COMMON Sets the minimum wait time for residual motor voltage decay before the drive output reenergizes after performing Power Loss Ride-Thru. Increasing the time set to L2-03 may help if overcurrent or overvoltage occur during Speed Search or during DC Injection Braking.	Default: <6> Min: 0.1 s Max: 20.0 s	204
L2-04 (488H)	Momentary Power Loss Ride-Thru Voltage Recovery Time	All Modes COMMON Sets the time for the output voltage to return to the preset V/f pattern after Speed Search.	Default: <6> Min: 0.0 s Max: 10.0 s	204
L2-05 (489H)	Undervoltage Detection Level (Uv)	All Modes COMMON Sets the DC bus undervoltage trip level.	Default: <6> Min: 0 V Max: 1700 V	205
L2-40 (3126H)	Power Supply Overvoltage Operation Selection	All Modes COMMON Sets the operation when detecting an overvoltage at the power supply side. 0: Ramp to stop (uses the deceleration time set for C1-02) 1: Coast to stop 2: Fast Stop (uses the Fast Stop time set for C1-09) 3: Alarm only	Default: 3 Min: 0 Max: 3	205
L2-41 (3127H)	Power Supply Overvoltage Detection Level	All Modes COMMON Sets the level at which overvoltage at the power supply side is detected as a percentage of o2-11, in 0.1% units.	Default: 120.0% Min: 0.0% Max: 200.0%	205
L2-42 (3128H)	Power Supply Overvoltage Detection Time	All Modes COMMON Sets the time before IOV (overvoltage at the power supply side) is detected, in 0.01 s units. If the state in which the output voltage exceeds the value set for L2-41 continues for the time set for L2-42 or longer, IOV is detected.	Default: 0.05 s Min: 0.00 s Max: 2.00 s	205
L2-43 (3129H)	Inrush Current Suppression Circuit Selection	All Modes COMMON Selects if the inrush current suppression circuit (option) is used. Make sure to set the value to 1 when using the inrush current suppression circuit. 0: Not used 1: Used Note: 1. Make sure to set the value to 1 when using the inrush current suppression circuit. 2. This parameter is available from the software versions S0109 and later.	Default: 0 Min: 0 Max: 1	205
L2-45 (312BH)	On-Delay Time of Inrush Current Suppression Circuit Breaker	All Modes COMMON Sets a delay time to output the close command for the inrush current suppression circuit breaker after the breaker is closed. There is normally no need to change this parameter from the default value.	Default: 100 ms Min: 0 ms Max: 2000 ms	205
L3: Stall Prevention				
L3-01 (48FH)	Stall Prevention Selection during Acceleration	V/f OLV CLV COMMON 0: Disabled. Drive runs at a set frequency. A heavy load may cause speed loss. 1: General purpose. Acceleration is paused as long as the current is above the L3-02 setting. 2: Intelligent. Accelerate in the shortest possible time without exceeding the L3-02 level.	Default: 1 Min: 0 Max: 2	206

No. (Addr.)	Name	Description	Setting	Page
L3-02 (490H)	Stall Prevention Level during Acceleration	V/f OLV CLV COMMON Used when L3-01 = 1 or 2. 100% is equal to the drive rated current.	Default: 120% Min: 0% Max: 150%	207
L3-03 (491H)	Stall Prevention Limit during Acceleration	V/f OLV CLV COMMON Sets Stall Prevention lower limit during acceleration when operating in the constant power range. Set as a percentage of the drive rated current.	Default: 50% Min: 0% Max: 100%	207
L3-04 (492H)	Stall Prevention Selection during Deceleration	All Modes COMMON 0: Disabled. Deceleration at the active deceleration rate. An OV fault may occur. 1: General purpose. Deceleration is paused when the DC bus voltage exceeds the Stall Prevention level.	Default: 1 Min: 0 Max: 1	207
L3-05 (493H)	Stall Prevention Selection during Run	V/f OLV CLV COMMON 0: Disabled. Drive runs at a set frequency. A heavy load may cause speed loss. 1: Decel time 1. Uses the deceleration time set to C1-02 while Stall Prevention is performed. 2: Decel time 2. Uses the deceleration time set to C1-04 while Stall Prevention is performed.	Default: 1 Min: 0 Max: 2	208
L3-06 (494H)	Stall Prevention Level during Run	V/f OLV CLV COMMON Enabled when L3-05 is set to 1 or 2. 100% is equal to the drive rated current.	Default: 120% Min: 30% Max: 150%	208
L3-11 (4C7H)	Overvoltage Suppression Function Selection	V/f OLV CLV COMMON Enables or disables the OV suppression function, which allows the drive to change the output frequency as the load changes to prevent an OV fault. 0: Disabled 1: Enabled	Default: 0 Min: 0 Max: 1	209
L3-23 (4FDH)	Automatic Reduction Selection for Stall Prevention during Run	V/f OLV CLV COMMON 0: Sets the Stall Prevention level set in L3-06 that is used throughout the entire frequency range. 1: Automatic Stall Prevention level reduction in the constant output range. The lower limit value is 40% of L3-06.	Default: 0 Min: 0 Max: 1	208
L3-27 (456H)	Stall Prevention Detection Time	V/f OLV CLV COMMON Sets the time the current must exceed the Stall Prevention level to activate Stall Prevention.	Default: 50 ms Min: 0 ms Max: 5000 ms	209
L4: Speed Detection				
L4-01 (499H)	Speed Agreement Detection Level	All Modes COMMON Sets the frequency detection level for contact output functions H2-□□ = 2, 3, 4, 5.	Default: 0.0 Min: 0.0 Hz Max: 120.0 Hz <20>	210
L4-02 (49AH)	Speed Agreement Detection Width	All Modes COMMON Sets the hysteresis or allowable margin for speed detection.	Default: <10> Min: 0.0 Hz Max: 20.0 Hz	210
L4-03 (49BH)	Speed Agreement Detection Level (+/-)	All Modes COMMON Sets the frequency detection level for contact output functions H2-□□ = 13, 14, 15, 16.	Default: 0.0 Min: -120.0 Hz Max: 120.0 Hz <20>	210
L4-04 (49CH)	Speed Agreement Detection Width (+/-)	All Modes COMMON Sets the hysteresis or allowable margin for speed detection.	Default: <10> Min: 0.0 Hz Max: 20.0 Hz	210
L4-05 (49DH)	Frequency Reference Loss Detection Selection	All Modes COMMON 0: Stop. Drive stops when the frequency reference is lost. 1: Run. Drive runs at a reduced speed when the frequency reference is lost. If the frequency reference decreases to 10% of the frequency reference of 0.4 s before, the drive runs at "frequency reference of 0.4 s before □ value set in L4-06". Note: This parameter is valid only when Frequency Reference Selection 1 is set to analog input terminals (b1-01 = 1).	Default: 0 Min: 0 Max: 1	210

1.3 Parameter Table

No. (Addr.)	Name	Description	Setting	Page
L4-06 (4C2H)	Frequency Reference at Reference Loss	All Modes COMMON_ Sets the percentage of the frequency reference that the drive should run with when the frequency reference is lost.	Default: 80% Min: 0.0% Max: 100.0%	211
L4-07 (470H)	Speed Agreement Detection Selection	All Modes COMMON_ 0: No detection during baseblock. 1: Detection always enabled.	Default: 0 Min: 0 Max: 1	211
L5: Fault Restart				
L5-01 (49EH)	Number of Auto Restart Attempts	All Modes COMMON_ Sets the number of times the drive may attempt to restart after faults occur.	Default: 0 Min: 0 Max: 10	212
L5-02 (49FH)	Auto Restart Fault Output Operation Selection	All Modes COMMON_ 0: Fault output not active. 1: Fault output active during restart attempt.	Default: 0 Min: 0 Max: 1	212
L5-04 (46CH)	Fault Reset Interval Time	All Modes COMMON_ Sets the amount of time to wait between performing fault restarts.	Default: 10.0 s Min: 0.5 s Max: 600.0 s	212
L5-05 (467H)	Fault Reset Operation Selection	All Modes COMMON_ 0: Continuously attempt to restart while incrementing restart counter only at a successful restarts. 1: Attempt to restart with the interval time set in L5-04 and increment the restart counter with each attempt.	Default: 0 Min: 0 Max: 1	212
L6: Torque Detection				
L6-01 (4A1H)	Torque Detection Selection 1	All Modes COMMON 0: Disabled 1: oL3 detection only active during speed agree, operation continues after detection 2: oL3 detection always active during run, operation continues after detection 3: oL3 detection only active during speed agree, output shuts down on an oL3 fault 4: oL3 detection always active during run, output shuts down on an oL3 fault 5: UL3 detection only active during speed agree, operation continues after detection 6: UL3 detection always active during run, operation continues after detection 7: UL3 detection only active during speed agree, output shuts down on an oL3 fault 8: UL3 detection always active during run, output shuts down on an oL3 fault	Default: 0 Min: 0 Max: 8	213
L6-02 (4A2H)	Torque Detection Level 1	All Modes COMMON_ Sets the overtorque and undertorque detection level. For V/f control, set the level as a percentage of the drive rated output current. For Vector control, set the level as a percentage of the motor rated torque.	Default: 150% Min: 0% Max: 300%	214
L6-03 (4A3H)	Torque Detection Time 1	All Modes COMMON_ Sets the time an overtorque or undertorque condition must exist to trigger torque detection 1.	Default: 0.1 s Min: 0.0 s Max: 10.0 s	214

No. (Addr.)	Name	Description	Setting	Page
L6-04 (4A4H)	Torque Detection Selection 2	All Modes COMMON_ 0: Disabled 1: oL4 detection only active during speed agree, operation continues after detection 2: oL4 detection always active during run, operation continues after detection 3: oL4 detection only active during speed agree, output shuts down on an oL4 fault 4: oL4 detection always active during run, output shuts down on an oL4 fault 5: UL4 detection only active during speed agree, operation continues after detection 6: UL4 detection always active during run, operation continues after detection 7: UL4 detection only active during speed agree, output shuts down on an oL4 fault 8: UL4 detection always active during run, output shuts down on an oL4 fault	Default: 0 Min: 0 Max: 8	213
L6-05 (4A5H)	Torque Detection Level 2	All Modes COMMON_ Sets the overtorque and undertorque detection level.	Default: 150% Min: 0% Max: 300%	214
L6-06 (4A6H)	Torque Detection Time 2	All Modes COMMON_ Sets the time an overtorque or undertorque condition must exist to trigger torque detection 2.	Default: 0.1 s Min: 0.0 s Max: 10.0 s	214
L6-08 (468H)	Mechanical Weakening Detection Operation	All Modes COMMON_ This function can detect an overtorque or undertorque in a certain speed range as a result of machine fatigue. It is triggered by a specified operation time and uses the oL1 detection settings (L6-01 and L6-03) 0: Mechanical Weakening Detection disabled. 1: Continue running (alarm only). Detected when the speed (signed) is greater than L6-09. 2: Continue running (alarm only). Detected when the speed (not signed) is greater than L6-09. 3: Interrupt drive output (fault). Detected when the speed (signed) is greater than L6-09. 4: Interrupt drive output (fault). Detected when the speed (not signed) is greater than L6-09. 5: Continue running (alarm only). Detected when the speed (signed) is less than L6-09. 6: Continue running (alarm only). Detected when the speed (not signed) is less than L6-09. 7: Interrupt drive output (fault). Detected when the speed (signed) is less than L6-09. 8: Interrupt drive output (fault). Detected when the speed (not signed) is less than L6-09.	Default: 0 Min: 0 Max: 8	215
L6-09 (469H)	Mechanical Weakening Detection Speed Level	All Modes COMMON_ Sets the speed that triggers Mechanical Weakening Detection. When L6-08 is set for an unsigned value, the absolute value is used if the setting is negative.	Default: 110.0% Min: -110.0% Max: 110.0%	215
L6-10 (46AH)	Mechanical Weakening Detection Time	All Modes COMMON_ Sets the time mechanical weakening has to be detected before an alarm or fault is triggered.	Default: 0.1 s Min: 0.0 s Max: 10.0 s	215
L6-11 (46BH)	Mechanical Weakening Detection Start Time	All Modes COMMON_ Sets the operation time (U1-04) required before Mechanical Weakening Detection is active.	Default: 0 h Min: 0 h Max: 65535 h	215

1.3 Parameter Table

No. (Addr.)	Name	Description	Setting	Page
L7: Torque Limit				
L7-01 (4A7H)	Forward Torque Limit	V/f OLV CLV Sets the torque limit value as a percentage of the motor rated torque. Four individual quadrants can be set.	Default: 100% Min: 0% Max: 300%	216
L7-02 (4A8H)	Reverse Torque Limit		Default: 100% Min: 0% Max: 300%	216
L7-03 (4A9H)	Forward Regenerative Torque Limit		Default: 1% Min: 0% Max: 300%	216
L7-04 (4AAH)	Reverse Regenerative Torque Limit		Default: 1% Min: 0% Max: 300%	216
L7-06 (4ACH)	Torque Limit Integral Time Constant	V/f OLV CLV Sets the integral time constant for the torque limit. Increase the setting for faster torque limit response.	Default: 200 ms Min: 5 ms Max: 10000 ms	217
L7-07 (4C9H)	Torque Limit Control Method Selection during Accel/Decel	V/f OLV CLV 0: Proportional control (changes to integral control at constant speed). Use this setting when acceleration to the desired speed should take precedence over the torque limit. 1: Integral control. Set L7-07 to 1 if the torque limit should take precedence.	Default: 0 Min: 0 Max: 1	217
L7-16 (44DH)	Torque Limit Process at Start	V/f OLV CLV 0: A delay time is disabled 1: A delay time is enabled	Default: 1 Min: 0 Max: 1	217
L7-30 (1FDH)	Regenerative Torque Limit Mode Selection	V/f OLV CLV Sets the mode for the regenerative torque limit. 0: Standard mode (torque limits entered from all analog inputs and through communications effective) 1: Independent mode (only the torque limits set with L7-03, L7-04, and regenerative torque limit effective (H3-□□ = 12))	Default: 0 Min: 0 Max: 1	217
L7-32 (313AH)	Low Speed Regenerative Torque Limit Mode Selection	V/f OLV CLV Sets the mode for the regenerative torque limit when the motor speed is 10% or less. 0: Follows the torque limit value. 1: Lowers the lower limits for the regenerative torque limit when the motor speed is 10% or less. Note: This parameter is available from the drive software version S0104 and later.	Default: 1 Min: 0 Max: 1	217
L8: Drive Protection				
L8-02 (4AEH)	Overheat Alarm Level	All Modes COMMON An overheat pre-alarm will occur if the thermistor temperature exceeds the level set in L8-02.	Default: <6> Min: 50℃ Max: 150℃	218
L8-03 (4AFH)	Overheat Pre-Alarm Operation Selection	All Modes COMMON 0: Ramp to stop. A fault is triggered. 1: Coast to stop 2: Fast Stop. Decelerate to stop using the deceleration time in C1-09. A fault is triggered. 3: Continue operation. An alarm is triggered. 4: Continue operation at reduced speed as set in L8-19. Note: 0 to 2 are recognized as faults, and 3 and 4 as alarms.	Default: 3 Min: 0 Max: 4	218

No. (Addr.)	Name	Description	Setting	Page
L8-07 (4B3H)	Output Phase Loss Protection Selection	All Modes common_ 0: Disabled 1: Enabled (triggered by a single phase loss) 2: Enabled (triggered when two phases are lost) Triggered when the output current falls below 5% of the drive rated current. Disable this parameter when output phase loss detection is mistakenly triggered because the motor rated current is very small compared to the drive capacity.	Default: 2 Min: 0 Max: 2	219
L8-09 (4B5H)	Output Ground Fault Detection Selection	All Modes common_ 0: Disabled 1: Enabled	Default: 1 Min: 0 Max: 1	219
L8-10 (4B6H)	Cooling Fan Operation Selection	All Modes common_ 0: During run only. Fan operates only during run and for L8-11 seconds after stop. 1: Cooling fan operates when Uv (DC bus undervoltage) is cleared. 2: Fan always on. Cooling fan operates whenever the drive is control powered up.	Default: 1 Min: 0 Max: 2	220
L8-11 (4B7H)	Cooling Fan Off Delay Time	All Modes common_ Sets a delay time to shut off the cooling fan after the Run command is removed when L8-10 = 0.	Default: 600 s Min: 0 s Max: 1800 s	220
L8-15 (4BBH)	oL2 Characteristics Selection at Low Speeds	All Modes common_ 0: No oL2 level reduction below 6 Hz. 1: oL2 level is reduced linearly below 6 Hz. It is halved at 0 Hz.	Default: 1 Min: 0 Max: 1	220
L8-18 (4BEH)	Software CLA Selection	All Modes common_ Enables or disables the software current limits. 0: Disabled 1: Enabled	Default: 1 Min: 0 Max: 1	220
L8-19 (4BFH)	Frequency Reduction Rate during Overheat Pre-Alarm	All Modes common_ Specifies the frequency reference reduction gain at overheat pre-alarm when L8-03 = 4.	Default: 0.8 Min: 0.1 Max: 0.9	219
L8-32 (3104H)	Backup Fan Use Selection	All Modes common_ Sets whether the backup fan is used or not. 0: Backup fan used 1: No backup fan used	Default: 1 Min: 0 Max: 1	221
L8-33 (3105H)	Fan Board Use Selection	All Modes common_ Sets the number of fan control boards (FFB boards) used. 0: No fan boards used 1: One fan board used 2: Two fan boards used	Default: <6> Min: 0 Max: 2	221
L8-63 (3112H)	Output Overvoltage Detection Level	All Modes common_ Sets the level at which overvoltage is detected on the output side. Set as a percentage of the maximum voltage of the motor in 0.1% units.	Default: 120.0% Min: 0.0% Max: 200.0%	221
L8-64 (3113H)	Output Overvoltage Detection Time	All Modes common_ Sets the time before OOV (overvoltage at the output side) is detected in 0.01 s units. If the state in which the output voltage exceeds the value set to L8-63 continues for the time set to L8-64 or longer, OOV (overvoltage at the output side) is detected.	Default: 0.01 s Min: 0.00 s Max: 2.00 s	221
L8-65 (3114H)	Output Voltage Unbalance Detection Operation Selection	All Modes common_ Sets the operation when an output voltage unbalance is detected. 0: Ramp to stop over the time set for C1-02 (Deceleration Time) 1: Coast to stop 2: Fast Stop over the time set for C1-09 (Fast Stop Time) 3: Alarm only	Default: 3 Min: 0 Max: 3	221

1.3 Parameter Table

No. (Addr.)	Name	Description	Setting	Page
L8-66 (3115H)	Output Voltage Unbalance Detection Level	All Modes COMMON_ Sets the level at which unbalance of the output voltage is detected in 0.1% units (100%: 2400 V for the 2.4 kV class and 4160 V for the 4.16 kV class).	Default: 10.0% Min: 0.0% Max: 100.0%	221
L8-67 (3116H)	Output Voltage Unbalance Detection Time	All Modes COMMON_ Sets the time before output voltage unbalance is detected in 0.001 s units. If the state in which the zero-phase voltage detection value exceeds the level set to L8-66 continues for the time set to L8-67 or longer, VUB (output voltage unbalance) is detected.	Default: 0.200 s Min: 0.001 s Max: 2.000 s	222
L8-86 (3100H)	Transformer Overheat Alarm (TMA) Operation Selection	All Modes COMMON_ Sets the operation when a TMA (Transformer Overheat Alarm) is detected. 0: Ramp to stop over the time set for C1-02 (Deceleration Time) 1: Coast to stop 2: Fast Stop over the time set for C1-09 (Fast Stop Time) 3: Continue operation. TMA alarm is triggered.	Default: 3 Min: 0 Max: 3	222
L8-87 (3101H)	Transformer Overheat Alarm (TMA) Level	All Modes COMMON_ Sets the detection temperature for TMA alarm function in °C units. Note: An alarm is detected when the detected transformer temperature reaches the value set here.	Default: <6> Min: 50°C Max: 160°C	222
L8-88 (3102H)	Transformer Overheat Fault (TME) Level	All Modes COMMON_ Sets the detection temperature for TME fault function in °C units.	Default: <6> Min: 50°C Max: 160°C	222

<3> Parameter setting value is not reset to the default value when the drive is initialized (A1-03 = 1110/2220).

<6> Default setting is determined by o2-04, Drive Model Selection.

<8> The setting range changes if the value of the motor rated capacity (E2-11) is changed by Auto-Tuning or manual setting.

<10> Default setting is determined by A1-02, Control Method Selection.

<12> The setting range for the acceleration and deceleration times is determined by the accel/decel time setting units in C1-10. For example, if the accel/decel time setting units are set to 0.01 s (C1-10 = 0), the setting range becomes 0.00 to 600.00 s.

<16> Default setting is determined by A1-02, Control Method Selection, and o2-04, Drive Model Selection.

<20> The range upper limit is determined by E1-04, Maximum Output Frequency, and E1-04, Frequency Reference Upper Limit.

◆ n: Special Adjustment

The n parameters adjust more advanced performance characteristics such as Hunting Prevention and Speed Feedback Detection Control.

No. (Addr.)	Name	Description	Setting	Page
n1: Hunting Prevention				
n1-01 (580H)	Hunting Prevention Selection	V/f OLV CLV COMMON_ 0: Disabled 1: Enabled	Default: 1 Min: 0 Max: 1	223
n1-02 (581H)	Hunting Prevention Gain Setting	V/f OLV CLV COMMON_ If the motor vibrates while lightly loaded, increase the gain by 0.1 until vibration ceases. If the motor stalls, decrease the gain by 0.1 until the stalling ceases.	Default: 1.00 Min: 0.00 Max: 2.50	223
n1-03 (582H)	Hunting Prevention Time Constant	V/f OLV CLV COMMON_ Sets the time constant used for Hunting Prevention.	Default: <6> Min: 0 ms Max: 500 ms	223
n1-05 (530H)	Hunting Prevention Gain while in Reverse	V/f OLV CLV COMMON_ Sets the gain used for Hunting Prevention. If set to 0, the gain set to n1-02 is used for operation in reverse.	Default: 0.00 Min: 0.00 Max: 2.50	223