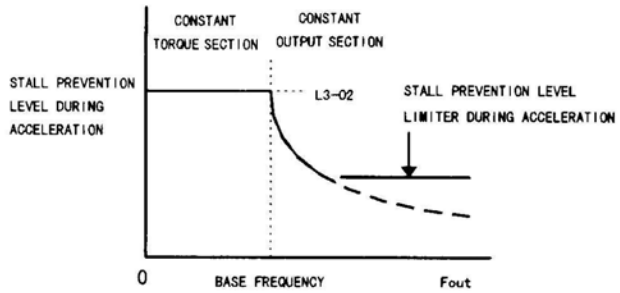
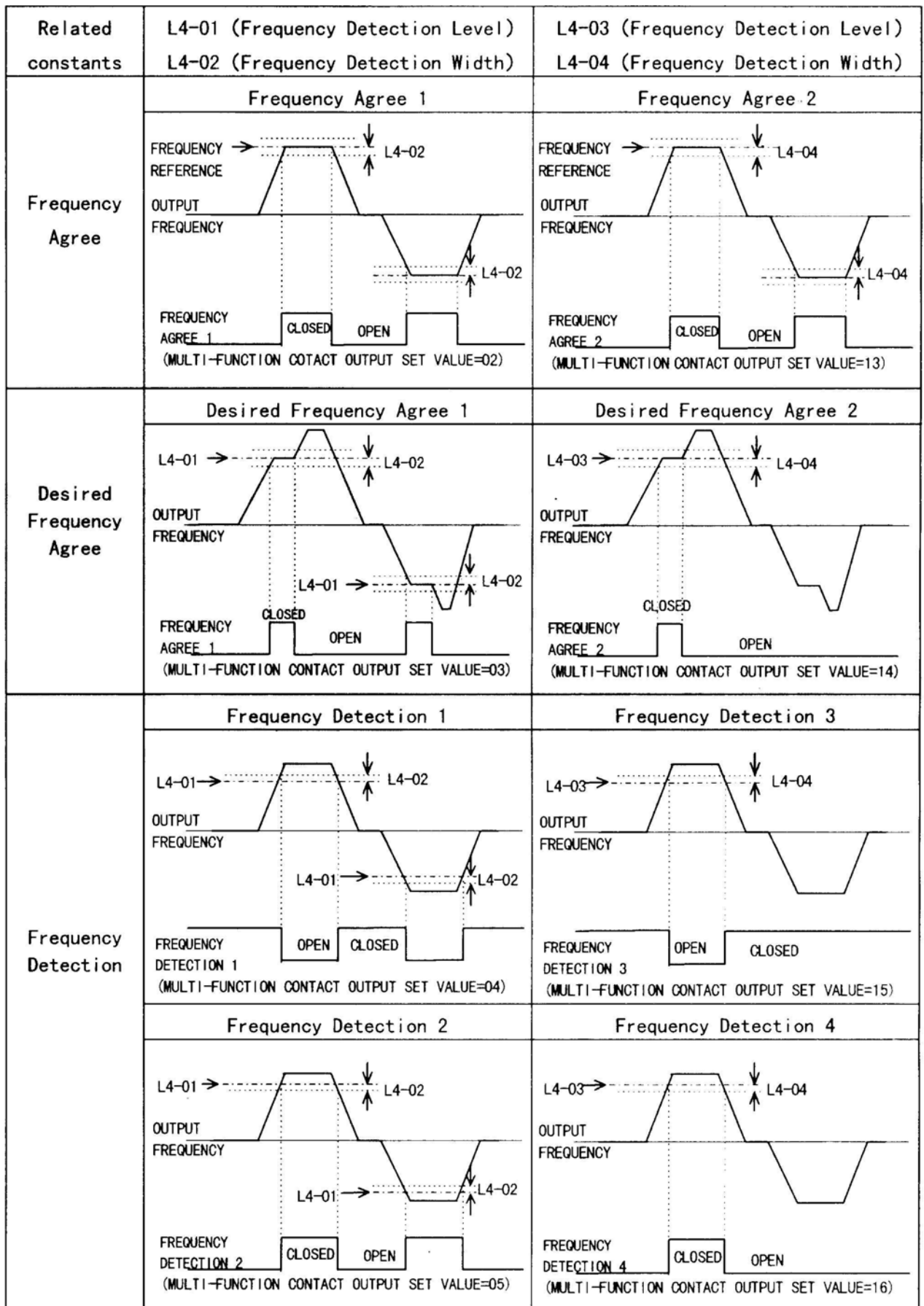


Constant No.	Name	Description	Remarks								
L3-02	Stall prevention level during accel	When motor stall prevention during acceleration (L3-01=1) or optimum acceleration function (L3-01=2) is selected, the inverter adjusts the acceleration rate automatically so that motor current at acceleration will not exceed the set value.									
L3-03	Stall prevention limit during accel	<p>When a motor is used in a constant output area, the stall prevention level during acceleration is automatically reduced for smoother acceleration.</p> <p>This constant is a limiting value to control the stall prevention level during acceleration in the constant output section so that it will not be reduced unnecessarily.</p> 									
L3-04	Stall prevention selection during decel	<p>Sets a function to prevent inverter DC bus bar overvoltage during deceleration.</p> <table border="1" data-bbox="614 1030 1276 1478"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Stall prevention during deceleration disabled. Inverter deceleration time. Excessively short deceleration time detects overvoltage fault (OV) to stop the inverter.</td> </tr> <tr> <td>1</td> <td>Stall prevention during deceleration enabled. By monitoring DC bus bar voltage status, the deceleration rate is automatically reduced to prevent overvoltage. Deceleration time may be longer than the set value.</td> </tr> <tr> <td>2</td> <td>Optimum deceleration mode. Deceleration rate is automatically adjusted so that the inverter can be decelerated in shortest time.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • For deceleration using a braking unit or braking resistor, set the value to 0 (stall prevention during deceleration disabled). The motor may hunt. • Optimum deceleration function (L3-04=2) cannot be set in the vector control mode. 	Set Value	Description	0	Stall prevention during deceleration disabled. Inverter deceleration time. Excessively short deceleration time detects overvoltage fault (OV) to stop the inverter.	1	Stall prevention during deceleration enabled. By monitoring DC bus bar voltage status, the deceleration rate is automatically reduced to prevent overvoltage. Deceleration time may be longer than the set value.	2	Optimum deceleration mode. Deceleration rate is automatically adjusted so that the inverter can be decelerated in shortest time.	
Set Value	Description										
0	Stall prevention during deceleration disabled. Inverter deceleration time. Excessively short deceleration time detects overvoltage fault (OV) to stop the inverter.										
1	Stall prevention during deceleration enabled. By monitoring DC bus bar voltage status, the deceleration rate is automatically reduced to prevent overvoltage. Deceleration time may be longer than the set value.										
2	Optimum deceleration mode. Deceleration rate is automatically adjusted so that the inverter can be decelerated in shortest time.										

Constant No.	Name	Description	Remarks								
L3-05	Stall prevention selection during running	<p>Sets a function to prevent motor stalling status at a overload during constant speed operation.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Stall prevention during run disabled. A load exceeding the inverter overload capacity is applied during speed agree. The motor may continue stalling even if load is reduced.</td> </tr> <tr> <td>1</td> <td>Stall prevention during run enabled. When inverter output current exceeds the value set to L3-06 and it continues more than 100ms during speed agree, output frequency is decreased (deceleration time: C1-02) to control the motor stalling. When the load returns to the normal state, acceleration restarts to continue operation at the former frequency.</td> </tr> <tr> <td>2</td> <td>Stall prevention during run enabled. The basic operation is the same as that of set value 1 except that the deceleration time to decrease frequency is the value set to C1-04.</td> </tr> </tbody> </table>	Set Value	Description	0	Stall prevention during run disabled. A load exceeding the inverter overload capacity is applied during speed agree. The motor may continue stalling even if load is reduced.	1	Stall prevention during run enabled. When inverter output current exceeds the value set to L3-06 and it continues more than 100ms during speed agree, output frequency is decreased (deceleration time: C1-02) to control the motor stalling. When the load returns to the normal state, acceleration restarts to continue operation at the former frequency.	2	Stall prevention during run enabled. The basic operation is the same as that of set value 1 except that the deceleration time to decrease frequency is the value set to C1-04.	
Set Value	Description										
0	Stall prevention during run disabled. A load exceeding the inverter overload capacity is applied during speed agree. The motor may continue stalling even if load is reduced.										
1	Stall prevention during run enabled. When inverter output current exceeds the value set to L3-06 and it continues more than 100ms during speed agree, output frequency is decreased (deceleration time: C1-02) to control the motor stalling. When the load returns to the normal state, acceleration restarts to continue operation at the former frequency.										
2	Stall prevention during run enabled. The basic operation is the same as that of set value 1 except that the deceleration time to decrease frequency is the value set to C1-04.										
L3-06	Stall prevention level during running	<p>Sets the inverter output current level to start stall prevention during run (preventing the continuous stalling status by decreasing frequency).</p>									
L4-01	Speed agree detection level	<p>This constant is used to detect speed agree, etc. Output frequency to be detected is set. This detection is performed both for FWD and REV run.</p>	Refer to page 73.								
L4-02	Speed agree detection width	Set detection width at L4-01 frequency detection.	Refer to page 73.								
L4-03	Speed agree detection level (+/-)	<p>This constant is used to detect speed agree, etc. Output frequency to be detected is set. This detection is enabled either for FWD or REV run. (Output frequency polarity is provided at detection.)</p>	Refer to page 73.								
L4-04	Speed agree detection width (+/-)	Sets detection width at L4-03 frequency detection.	Refer to page 73.								

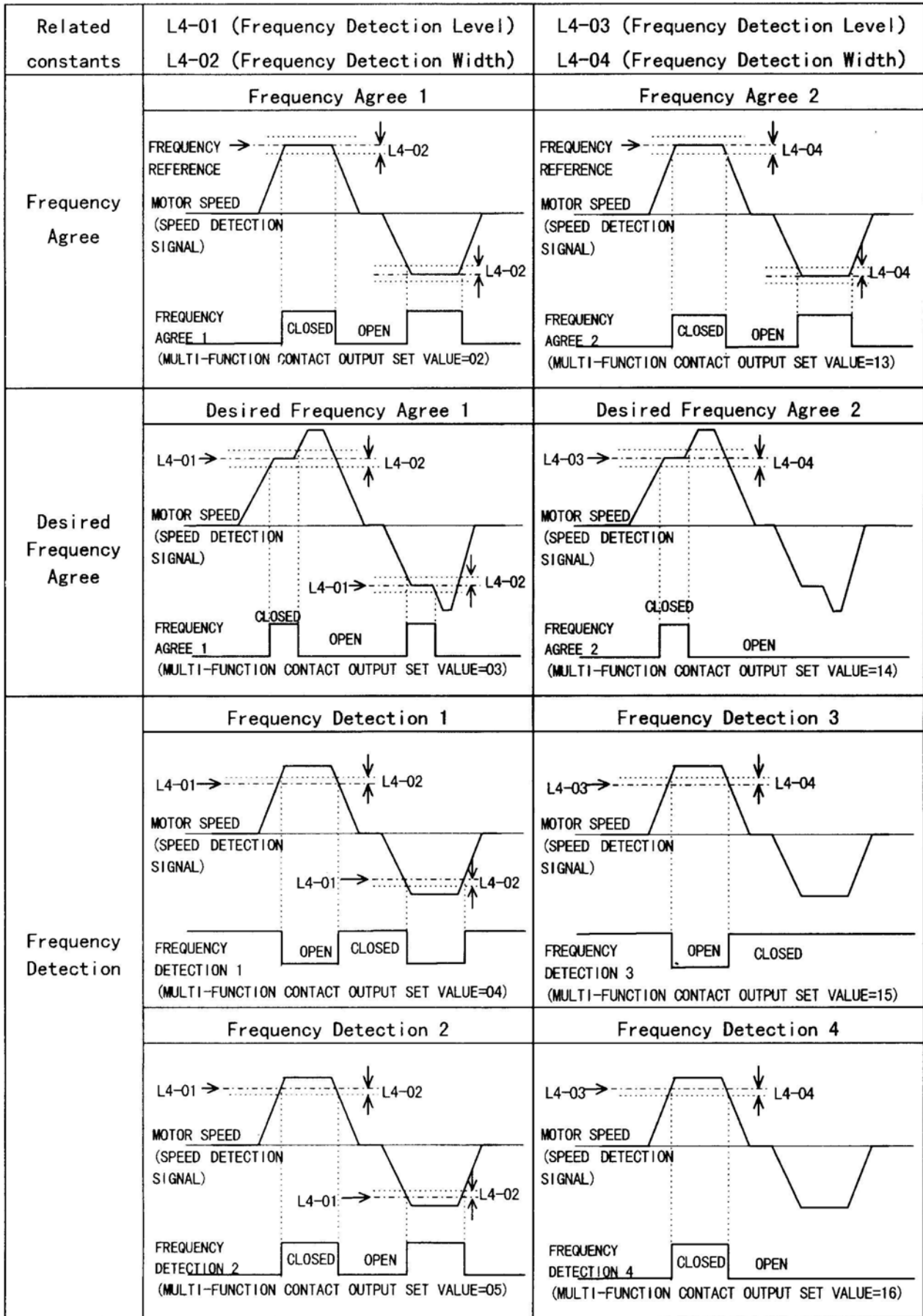
DESCRIPTION OF FREQUENCY DETECTION OPERATION

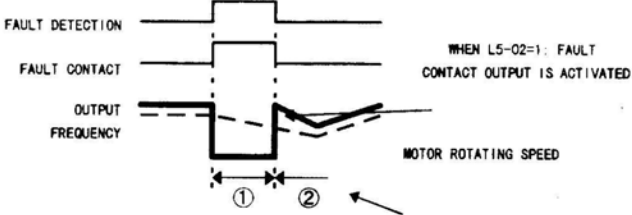
(1) When A1-02 set value is 0, 1 or 2 (control method selection is set to V/f, V/f with PG or open loop vector)



DESCRIPTION OF FREQUENCY DETECTION OPERATION

(2) When A1-02 set value is 3 (control method selection is set to flux vector)



Constant No.	Name	Description	Remarks						
L4-05	Operation when frequency reference is missing	<p>Selects when frequency reference from the control circuit terminal is quickly reduced.</p> <table border="1" data-bbox="635 320 1294 510"> <thead> <tr> <th data-bbox="635 320 724 371">Set Value</th> <th data-bbox="724 320 1294 371">Contents</th> </tr> </thead> <tbody> <tr> <td data-bbox="635 371 724 416">0</td> <td data-bbox="724 371 1294 416">Normal operation (Following variation of reference)</td> </tr> <tr> <td data-bbox="635 416 724 510">1</td> <td data-bbox="724 416 1294 510">When frequency reference from control circuit terminal is reduced by 90% within 400ms, operation continues at 80% of frequency reference obtained before reduction.</td> </tr> </tbody> </table>	Set Value	Contents	0	Normal operation (Following variation of reference)	1	When frequency reference from control circuit terminal is reduced by 90% within 400ms, operation continues at 80% of frequency reference obtained before reduction.	
Set Value	Contents								
0	Normal operation (Following variation of reference)								
1	When frequency reference from control circuit terminal is reduced by 90% within 400ms, operation continues at 80% of frequency reference obtained before reduction.								
L5-01	Number of auto restart attempts	<p>Fault retry is functioned to reset the fault in the inverter and restart automatically to continue operation if a fault occurs. This constant sets the number of fault retry times. By setting 0, fault retry operation is not performed.</p> <p style="text-align: center;">Fault retry operation</p> <ol style="list-style-type: none"> ① When a fault is detected, the inverter output is shut OFF for the min. baseblock time (L2-03). The digital operator displays the fault while the inverter output is shut OFF. ② When the min. baseblock time (L2-03) elapses, a fault is reset automatically and speed search operation is performed from the output frequency obtained fault occurrence. ③ When the total number of faults exceeds the number of fault retry times (L5-01), the faults are not reset automatically and the inverter output remains OFF. At this time, a fault contact output is activated. <div style="text-align: center;">  <p style="text-align: right;">WHEN L5-02=1: FAULT CONTACT OUTPUT IS ACTIVATED</p> </div> <p style="text-align: center;">Clearing the number of retry times</p> <p>The number of retry times is cleared to 0 in the following cases:</p> <ol style="list-style-type: none"> ① A fault does not occur for more than 10 minutes. ② A fault reset signal is input from the control circuit terminal or digital operator. ③ The power supply is shut OFF and the control power supply has dissipated; and then the power supply is turned ON again. <p>However, fault retry is disabled for the following faults.</p> <ul style="list-style-type: none"> UV2 (Control circuit undervoltage) UV3 (MC answer fault) SC (Load short-circuit) OH (Heatsink overheat) EF (Run command fault) OS (Over speed) DEV (Excessive speed deviation) PGO (PG disconnection) OPR (Constant setting error) CE (Transmission error) EF3 to 8 (External fault) 							

Constant No.	Name	Description	Remarks												
L5-02	Auto restart operation selection	<p>Sets whether a fault contact output is activated during fault retry.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>A fault contact output is not activated during fault retry.</td> </tr> <tr> <td>1</td> <td>A fault contact output is activated during fault retry.</td> </tr> </tbody> </table>	Set Value	Description	0	A fault contact output is not activated during fault retry.	1	A fault contact output is activated during fault retry.							
Set Value	Description														
0	A fault contact output is not activated during fault retry.														
1	A fault contact output is activated during fault retry.														
L6-01	Torque detection selection 1	<p>Sets a function to detect overtorque. Overtorque is detected according to output current value in the V/f control mode and using the inverter internal torque reference in the vector control mode.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Overtorque detection disabled (factory setting)</td> </tr> <tr> <td>1</td> <td>Overtorque detection enabled. Overtorque detection is performed only during speed agree and "OL3" is displayed, blinking, to continue operation after detection.</td> </tr> <tr> <td>2</td> <td>Overtorque detection enabled. Overtorque detection is performed during run and "OL3" is displayed, blinking, to continue operation after detection.</td> </tr> <tr> <td>3</td> <td>Overtorque detection enabled. Overtorque detection is performed only during speed agree. "OL3" is displayed, lighting at overtorque detection, and a fault contact is output to shut OFF inverter output.</td> </tr> <tr> <td>4</td> <td>Overtorque detection enabled. Overtorque detection is performed during run. "OL3" is displayed, lighting at overtorque detection, and a fault contact output is activated to shut OFF inverter output.</td> </tr> </tbody> </table>	Set Value	Description	0	Overtorque detection disabled (factory setting)	1	Overtorque detection enabled. Overtorque detection is performed only during speed agree and "OL3" is displayed, blinking, to continue operation after detection.	2	Overtorque detection enabled. Overtorque detection is performed during run and "OL3" is displayed, blinking, to continue operation after detection.	3	Overtorque detection enabled. Overtorque detection is performed only during speed agree. "OL3" is displayed, lighting at overtorque detection, and a fault contact is output to shut OFF inverter output.	4	Overtorque detection enabled. Overtorque detection is performed during run. "OL3" is displayed, lighting at overtorque detection, and a fault contact output is activated to shut OFF inverter output.	
Set Value	Description														
0	Overtorque detection disabled (factory setting)														
1	Overtorque detection enabled. Overtorque detection is performed only during speed agree and "OL3" is displayed, blinking, to continue operation after detection.														
2	Overtorque detection enabled. Overtorque detection is performed during run and "OL3" is displayed, blinking, to continue operation after detection.														
3	Overtorque detection enabled. Overtorque detection is performed only during speed agree. "OL3" is displayed, lighting at overtorque detection, and a fault contact is output to shut OFF inverter output.														
4	Overtorque detection enabled. Overtorque detection is performed during run. "OL3" is displayed, lighting at overtorque detection, and a fault contact output is activated to shut OFF inverter output.														
L6-02	Torque detection level 1	<p>Sets the overtorque detection level.</p> <p>V/f control mode: Inverter rated current becomes 100%.</p> <p>Vector control mode: Motor rated torque becomes 100%.</p>													
L6-03	Torque detection time 1	<p>Overtorque is detected if the time when motor current or torque exceeds the value set to L6-02 is longer than the time set by this constant. Digital operator displays "OL3"</p>													
L6-04	Torque detection selection 2	<p>The functions are the same as those described for constants L6-01 to L6-03. Used when two types of overtorque detection are output to multi-function outputs. Digital operator displays "OL4"</p>													
L6-05	Torque detection level 2														
L6-06	Torque detection time 2														
L7-01	Forward torque limit	Sets motoring side torque limit value during FWD run.	Refer to page 77.												
L7-02	Reverse torque limit	Sets motoring side torque limit value during REV run.	Refer to page 77.												
L7-03	Forward regenerative torque limit	Sets regenerating side torque limit value during FWD run.	Refer to page 77.												

Constant No.	Name	Description	Remarks										
L7-04	Reverse regenerative torque limit	<p>Sets regenerating side torque limit value during REV run.</p>											
L8-01	Protect selection for internal DB resistor	<p>When a braking resistor that can be built in the inverter is used, overheat protection is enabled by using this function. (Overheat is detected at operating duty 3% of braking resistor.)</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Braking resistor overheat protection disabled</td> </tr> <tr> <td>1</td> <td>Braking resistor overheat protection enabled</td> </tr> </tbody> </table>	Set Value	Description	0	Braking resistor overheat protection disabled	1	Braking resistor overheat protection enabled					
Set Value	Description												
0	Braking resistor overheat protection disabled												
1	Braking resistor overheat protection enabled												
L8-02	OH pre-alarm level	Sets the heatsink temperature to predict heatsink overheat.											
L8-03	Operation selection after OH pre-alarm	<p>Selects the operation mode when the inverter detects heatsink overheat prediction.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Deceleration to stop at value set to C1-02</td> </tr> <tr> <td>1</td> <td>Inverter output OFF (Coasting to stop)</td> </tr> <tr> <td>2</td> <td>Deceleration to stop at value set to C1-09 (Quick deceleration to stop)</td> </tr> <tr> <td>3</td> <td>Continuous operation</td> </tr> </tbody> </table>	Set Value	Description	0	Deceleration to stop at value set to C1-02	1	Inverter output OFF (Coasting to stop)	2	Deceleration to stop at value set to C1-09 (Quick deceleration to stop)	3	Continuous operation	
Set Value	Description												
0	Deceleration to stop at value set to C1-02												
1	Inverter output OFF (Coasting to stop)												
2	Deceleration to stop at value set to C1-09 (Quick deceleration to stop)												
3	Continuous operation												
L8-05	Input open-phase protection selection	<p>IF power supply open-phase, excessive power supply voltage imbalance or main circuit electrolytic capacitor deterioration occurs, excessive inverter DC bus bar ripple voltage is detected to stop the inverter.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Excessive ripple detection disabled</td> </tr> <tr> <td>1</td> <td>Excessive ripple detection enabled</td> </tr> </tbody> </table>	Set Value	Description	0	Excessive ripple detection disabled	1	Excessive ripple detection enabled					
Set Value	Description												
0	Excessive ripple detection disabled												
1	Excessive ripple detection enabled												
L8-07	Output open-phase protection selection	<p>A function to detect inverter output open-phase.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Inverter output open-phase detection disabled</td> </tr> <tr> <td>1</td> <td>Inverter output open-phase detection enabled</td> </tr> </tbody> </table> <p>Output open-phase may be detected inadvertently when applied motor capacity is small for inverter capacity, etc.</p>	Set Value	Description	0	Inverter output open-phase detection disabled	1	Inverter output open-phase detection enabled					
Set Value	Description												
0	Inverter output open-phase detection disabled												
1	Inverter output open-phase detection enabled												

0 DIGITAL OPERATOR-RELATED CONSTANTS

Constant No.	Name	Description	Remarks										
01-01	Monitor selection	4 items can be monitored in operation. This constant can select an item to be monitored instead of output voltage. Set 01-01 to <input type="checkbox"/> <input type="checkbox"/> in monitor constant U1- <input type="checkbox"/> <input type="checkbox"/> .											
01-02	Monitor selection after power up	Set an item to be monitored immediately after the power supply is turned ON. Digital operator displays the item set by this constant after the power supply is turned ON. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Displays frequency reference.</td> </tr> <tr> <td>2</td> <td>Displays output frequency.</td> </tr> <tr> <td>3</td> <td>Displays output current.</td> </tr> <tr> <td>4</td> <td>Displays a monitor item selected by 01-01.</td> </tr> </tbody> </table>	Set Value	Description	1	Displays frequency reference.	2	Displays output frequency.	3	Displays output current.	4	Displays a monitor item selected by 01-01.	
Set Value	Description												
1	Displays frequency reference.												
2	Displays output frequency.												
3	Displays output current.												
4	Displays a monitor item selected by 01-01.												
01-03	Frequency units of reference setting and monitor	Units for frequency related reference or monitor can be selected as shown below. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Unit: 0.01Hz</td> </tr> <tr> <td>1</td> <td>Unit: 0.01%</td> </tr> <tr> <td>2 to 39</td> <td>Unit: r/min (0 to 3999) r/min=120×frequency reference(Hz)/ 01-03 (01-03: Number of motor poles) } Effective except when in flux vector control</td> </tr> <tr> <td>40 to 3999</td> <td>Decimal point position set with 5th digit value of 01-03. 5th digit value=0: Displayed as <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> 5th digit value=1: Displayed as <input type="checkbox"/><input type="checkbox"/><input type="checkbox"/>.<input type="checkbox"/> 5th digit value=2: Displayed as <input type="checkbox"/><input type="checkbox"/>.<input type="checkbox"/><input type="checkbox"/> 5th digit value=3: Displayed as <input type="checkbox"/>.<input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> 01-03 1st to 4th digits determine the set value of 100% frequency. (Example 1) Assuming that 100% frequency set value is 200.0 set 01-03=12000. When 01-03=12000 is set, 100% frequency is displayed as 200.0 and 60% speed is displayed as 120.0. (Example 2) Assuming that 100% frequency set value is 65.00, set 01-03=26500. When 01-03=26500 is set, 60% frequency is displayed as 39.00.</td> </tr> </tbody> </table>	Set Value	Description	0	Unit: 0.01Hz	1	Unit: 0.01%	2 to 39	Unit: r/min (0 to 3999) r/min=120×frequency reference(Hz)/ 01-03 (01-03: Number of motor poles) } Effective except when in flux vector control	40 to 3999	Decimal point position set with 5th digit value of 01-03. 5th digit value=0: Displayed as <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 5th digit value=1: Displayed as <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/> 5th digit value=2: Displayed as <input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/> <input type="checkbox"/> 5th digit value=3: Displayed as <input type="checkbox"/> . <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 01-03 1st to 4th digits determine the set value of 100% frequency. (Example 1) Assuming that 100% frequency set value is 200.0 set 01-03=12000. When 01-03=12000 is set, 100% frequency is displayed as 200.0 and 60% speed is displayed as 120.0. (Example 2) Assuming that 100% frequency set value is 65.00, set 01-03=26500. When 01-03=26500 is set, 60% frequency is displayed as 39.00.	
Set Value	Description												
0	Unit: 0.01Hz												
1	Unit: 0.01%												
2 to 39	Unit: r/min (0 to 3999) r/min=120×frequency reference(Hz)/ 01-03 (01-03: Number of motor poles) } Effective except when in flux vector control												
40 to 3999	Decimal point position set with 5th digit value of 01-03. 5th digit value=0: Displayed as <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 5th digit value=1: Displayed as <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/> 5th digit value=2: Displayed as <input type="checkbox"/> <input type="checkbox"/> . <input type="checkbox"/> <input type="checkbox"/> 5th digit value=3: Displayed as <input type="checkbox"/> . <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 01-03 1st to 4th digits determine the set value of 100% frequency. (Example 1) Assuming that 100% frequency set value is 200.0 set 01-03=12000. When 01-03=12000 is set, 100% frequency is displayed as 200.0 and 60% speed is displayed as 120.0. (Example 2) Assuming that 100% frequency set value is 65.00, set 01-03=26500. When 01-03=26500 is set, 60% frequency is displayed as 39.00.												
01-04	Frequency units of constant setting	V/f related constant (E1-04, 06, 07 and 09) setting unit can be changed to r/min. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Setting monitor unit: Hz</td> </tr> <tr> <td>1</td> <td>Setting monitor unit: rpm</td> </tr> </tbody> </table>	Set Value	Description	0	Setting monitor unit: Hz	1	Setting monitor unit: rpm					
Set Value	Description												
0	Setting monitor unit: Hz												
1	Setting monitor unit: rpm												
01-05	Constant No. display selection	How to display operator constant No. can be selected. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Normal display (A1-00, etc.)</td> </tr> <tr> <td>1</td> <td>Displays constant No. specified by MODBUS communication (address).</td> </tr> </tbody> </table>	Set Value	Description	0	Normal display (A1-00, etc.)	1	Displays constant No. specified by MODBUS communication (address).					
Set Value	Description												
0	Normal display (A1-00, etc.)												
1	Displays constant No. specified by MODBUS communication (address).												

Constant No.	Name	Description	Remarks						
02-01	LOCAL / REMOTE key enable/disable	<p>Sets digital operator LOCAL / REMOTE key enabled/disabled.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Digital operator REMOTE/LOCAL key disabled.</td> </tr> <tr> <td>1</td> <td>Digital operator REMOTE/LOCAL key enabled. Priority of frequency reference and run command is alternated with priority set by digital operator and B1-01/02.</td> </tr> </tbody> </table>	Set Value	Description	0	Digital operator REMOTE/LOCAL key disabled.	1	Digital operator REMOTE/LOCAL key enabled. Priority of frequency reference and run command is alternated with priority set by digital operator and B1-01/02.	
Set Value	Description								
0	Digital operator REMOTE/LOCAL key disabled.								
1	Digital operator REMOTE/LOCAL key enabled. Priority of frequency reference and run command is alternated with priority set by digital operator and B1-01/02.								
02-02	STOP key during control circuit terminal operation	<p>Sets digital operator STOP key enabled/disabled in the run mode.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Digital operator STOP key disabled. Digital operator STOP key is disabled during run by run command other than that given from the digital operator.</td> </tr> <tr> <td>1</td> <td>Digital operator STOP key enabled. Digital operator STOP key is enabled even during run by run command other than that given from the digital operator.</td> </tr> </tbody> </table> <p>When the set value is "1 (factory setting)" and operation is stopped by a STOP command other than that given from the digital operator, it is necessary to turn OFF the RUN command once.</p>	Set Value	Description	0	Digital operator STOP key disabled. Digital operator STOP key is disabled during run by run command other than that given from the digital operator.	1	Digital operator STOP key enabled. Digital operator STOP key is enabled even during run by run command other than that given from the digital operator.	
Set Value	Description								
0	Digital operator STOP key disabled. Digital operator STOP key is disabled during run by run command other than that given from the digital operator.								
1	Digital operator STOP key enabled. Digital operator STOP key is enabled even during run by run command other than that given from the digital operator.								
02-03	User constant initial value	<p>Constants set by user can be stored in the inverter as user initial values.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>User constant initial value setting. Each constant obtained when 02-03=1 is set, is stored as a constant initial value. Even if each constant setting is changed after setting this constant, it can be returned to the user constant initial value by setting A1-03=1110 (initialization to user initial value).</td> </tr> <tr> <td>2</td> <td>Clearing user constant initial value. Clears the user constant initial values that are set as above.</td> </tr> </tbody> </table> <p>After setting the value, the indication on the digital operator shows "Entry accepted" then resets to "0"</p>	Set Value	Description	1	User constant initial value setting. Each constant obtained when 02-03=1 is set, is stored as a constant initial value. Even if each constant setting is changed after setting this constant, it can be returned to the user constant initial value by setting A1-03=1110 (initialization to user initial value).	2	Clearing user constant initial value. Clears the user constant initial values that are set as above.	
Set Value	Description								
1	User constant initial value setting. Each constant obtained when 02-03=1 is set, is stored as a constant initial value. Even if each constant setting is changed after setting this constant, it can be returned to the user constant initial value by setting A1-03=1110 (initialization to user initial value).								
2	Clearing user constant initial value. Clears the user constant initial values that are set as above.								
02-04	kVA selection	<p>Sets inverter capacity. By this constant setting, control constants peculiar to the inverter can be set automatically.</p>							
02-05	Frequency reference setting method selection	<p>Whether ENTER key operation is needed can be set when frequency reference is set by digital operator.</p> <table border="1"> <thead> <tr> <th>Set Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Digital operator ENTER key needed. To set frequency reference by digital operator, the inverter accepts frequency reference at the time when the digital operator ENTER key is depressed.</td> </tr> <tr> <td>1</td> <td>Digital operator ENTER key not needed. Inverter accepts frequency reference displayed on the digital operator frequency reference without ENTER key operation.</td> </tr> </tbody> </table>	Set Value	Description	0	Digital operator ENTER key needed. To set frequency reference by digital operator, the inverter accepts frequency reference at the time when the digital operator ENTER key is depressed.	1	Digital operator ENTER key not needed. Inverter accepts frequency reference displayed on the digital operator frequency reference without ENTER key operation.	
Set Value	Description								
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Constant No.	Name	Description	Remarks						
02-06	Operation selection when digital operator is disconnected	<p>When running by digital operator, inverter operation selection at communication fault occurrence between the digital operator and the inverter (cable disconnection, removal of digital operator, etc.) is set.</p> <table border="1" data-bbox="544 378 1203 533"> <thead> <tr> <th data-bbox="544 378 651 421">Set Value</th> <th data-bbox="651 378 1203 421">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="544 421 651 463">0</td> <td data-bbox="651 421 1203 463">Operation is continued</td> </tr> <tr> <td data-bbox="544 463 651 533">1</td> <td data-bbox="651 463 1203 533">Coasting to a stop and an error message "OPR" is indicated on a digital operator</td> </tr> </tbody> </table>	Set Value	Description	0	Operation is continued	1	Coasting to a stop and an error message "OPR" is indicated on a digital operator	
Set Value	Description								
0	Operation is continued								
1	Coasting to a stop and an error message "OPR" is indicated on a digital operator								
02-07	Cumulative operation time setting	Sets an initial value of cumulative operation time. Accumulation of operation time starts from this set value.							
02-08	Cumulative operation time selection	<p>Defines the operation time.</p> <table border="1" data-bbox="544 797 1203 978"> <thead> <tr> <th data-bbox="544 797 651 840">Set Value</th> <th data-bbox="651 797 1203 840">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="544 840 651 909">0</td> <td data-bbox="651 840 1203 909">All time while the inverter power supply is turned ON is accumulated as operation time.</td> </tr> <tr> <td data-bbox="544 909 651 978">1</td> <td data-bbox="651 909 1203 978">Only the time while the inverter is running is accumulated as operation time.</td> </tr> </tbody> </table>	Set Value	Description	0	All time while the inverter power supply is turned ON is accumulated as operation time.	1	Only the time while the inverter is running is accumulated as operation time.	
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TRANSISTORIZED INVERTER
AC MOTOR SPEED CONTROLLER

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