Replacement Materials for FREQROL-D700 Series to FREQROL-D800 Series

Dimensions, wiring, parameters, and options related to the replacement are described on the following pages. For further details, please refer to the instruction manual.

1．Dimensions

When replacing the FREQROL-D700 series with the FREQROL-D800 (ND rating) series, there are some models where the mounting dimensions differ depending on the capacity.

For detailed dimensions, please refer to the outline dimension drawings on the following pages.

Power supply	Existing Inverter	Replacement Inverter ***	Mounting Dimensions
3-phase 200V	FR-D720-0.1K	FR-D820-0.1K-008	Same
	FR-D720-0.2K	FR-D820-0.2K-014	Same
	FR-D720-0.4K	FR-D820-0.4K-025	Same
	FR-D720-0.75K	FR-D820-0.75K-042	Same
	FR-D720-1.5K	FR-D820-1.5K-070 ***	Same
	FR-D720-2.2K	FR-D820-2.2K-100 ***	Same
	FR-D720-3.7K	FR-D820-3.7K-165 ***	Different Dimensions Compatible Attachment Planned
	FR-D720-5.5K	FR-D820-5.5K-238 *	Same
	FR-D720-7.5K	FR-D820-7.5K-318 *	Same
3-phase 400V	FR-D740-0.4K	FR-D840-0.4K-012 ***	Different Dimensions Compatible Attachment Planned
	FR-D740-0.75K	FR-D840-0.75K-022 ***	Different Dimensions Compatible Attachment Planned
	FR-D740-1.5K	FR-D840-1.5K-037 ***	Different Dimensions Compatible Attachment Planned
	FR-D740-2.2K	FR-D840-2.2K-050	Same
	FR-D740-3.7K	FR-D840-3.7K-081	Same
	FR-D740-5.5K	FR-D840-5.5K-120 *	Same
	FR-D740-7.5K	FR-D840-7.5K-163 *	Same
Single-phase 200V	FR-D720S-0.1K	FR-D820S-0.1K-008	Same
	FR-D720S-0.2K	FR-D820S-0.2K-014	Same
	FR-D720S-0.4K	FR-D820S-0.4K-025	Same
	FR-D720S-0.75K	FR-D820S-0.75K-042	Same
	FR-D720S-1.5K	FR-D820S-1.5K-070	Same
	FR-D720S-2.2K	FR-D820S-2.2K-100	Different Dimensions Compatible Attachment Planned
Single-phase 100V	FR-D710W-0.1K	FR-D810W-0.1K-008	Same
	FR-D710W-0.2K	FR-D810W-0.2K-014	Same
	FR-D710W-0.4K	FR-D810W-0.4K-025	Same
	FR-D710W-0.75K	FR-D810W-0.75K-042	Same

*By attaching the cooling fan cover fixing screws, a protrusion of 2.2 mm (screw head height) will be added to the **H dimension**.

**The D dimension changes from 135.5 mm to 167.5 mm.

***The positions of the main circuit terminals and control circuit terminals have also been modified. As a result, wiring length adjustments may be necessary during replacement. Please refer to the instruction manual for details.
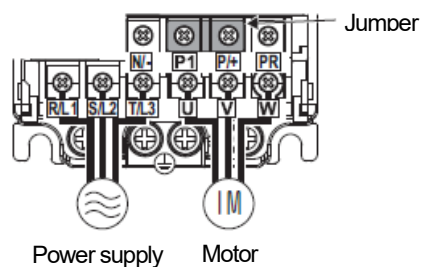
Note that differences such as the removal of the FM terminal exist. Please check the catalog or other materials for further information.
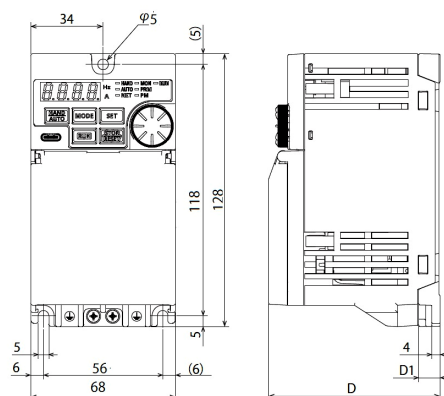
Outline Dimension Drawing (Unit: mm)
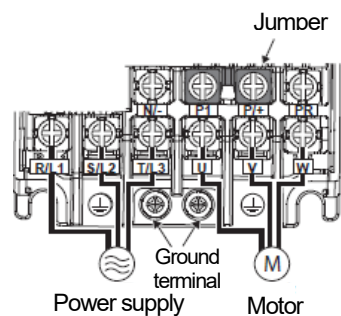
■FR-D720-0.1K to 0.75K

φ5穴
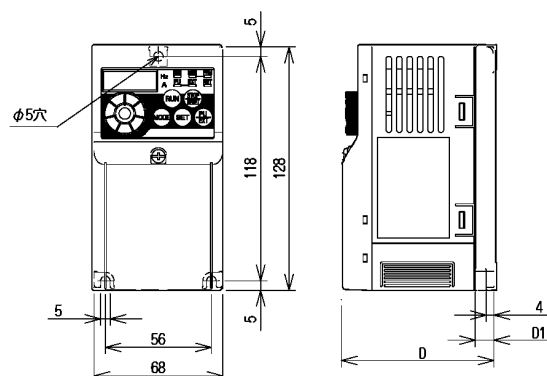
Inverter model	D	D1
FR-D720-0.1K/0.2K	80.5	10
FR-D720-0.4K	112.5	42
FR-D720-0.75K	132.5	62

Jumper

Power supply   Motor

■FR-D820-0.1K to 0.75K

φ5

Inverter model	D	D1
FR-D820-0.1K/0.2K	80.5	10
FR-D820-0.4K	102.5	32
FR-D820-0.75K	132.5	42

Jumper

Power supply   Ground terminal   Motor

■FR-D720-1.5K to 3.7K

2-φ5穴

FAN
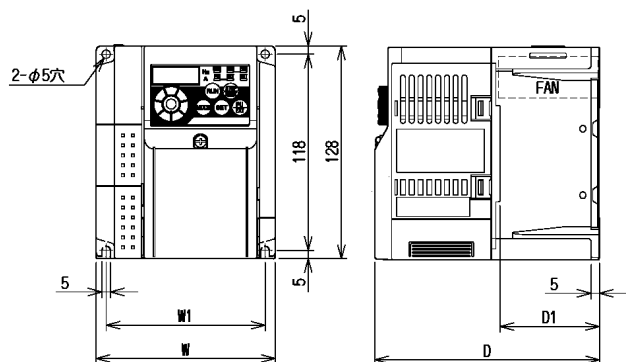
Inverter model	W	W1	D	D1
FR-D720-1.5K、2.2K	108	96	135.5	60
FR-D720-3.7K	170	158	142.5	66.5

Jumper

Power supply   Motor

■FR-D820-1.5K to 3.7K

2×φ5
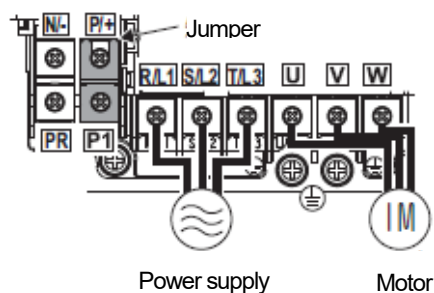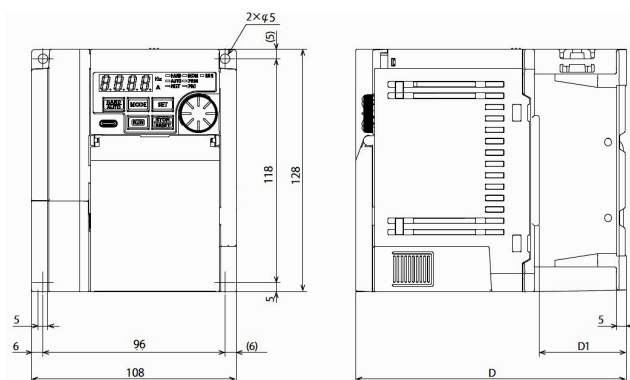
Inverter model	D	D1
FR-D820-1.5K/2.2K	132.5	36
FR-D820-3.7K	142.5	46

Jumper

Power supply   Ground terminal   Motor

■FR-D720-5.5K、7.5K

2-φ5穴

6
138
150
6

5
208
220

FAN

10
68
155

N/- P1 P/+ PR R/L1 S/L2 T/L3 U V W

Jumper

Power supply

Motor

IM

■FR-D820-5.5K、7.5K

(2)
2×φ5
(6)
138
150

5
6
208
220
(6)

10
D1
D
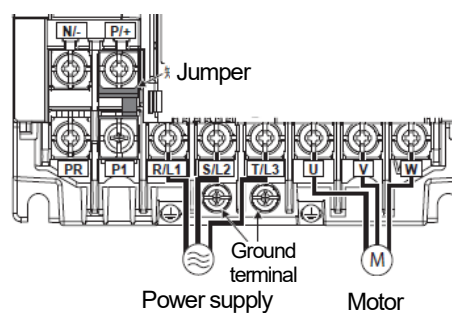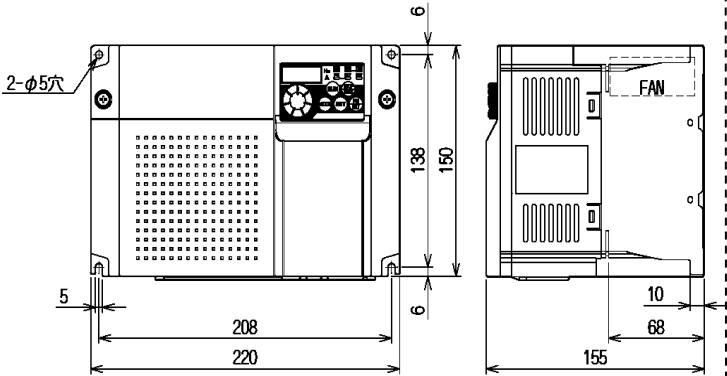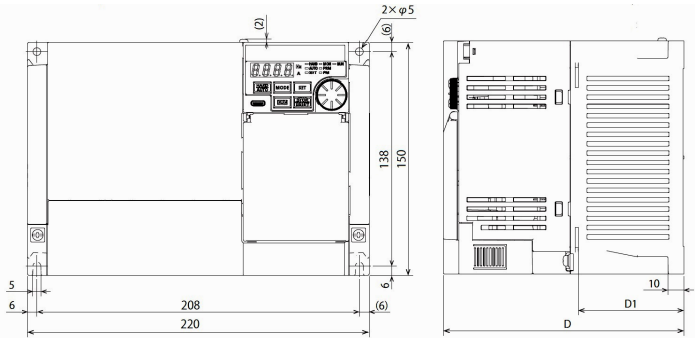
Inverter model	D	D1
FR-D820-5.5K/7.5K	155	68

Jumper

N/- P1 P/+ PR R/L1 S/L2 T/L3 U V W

Ground terminal

Ground terminal

Power supply

Motor

M
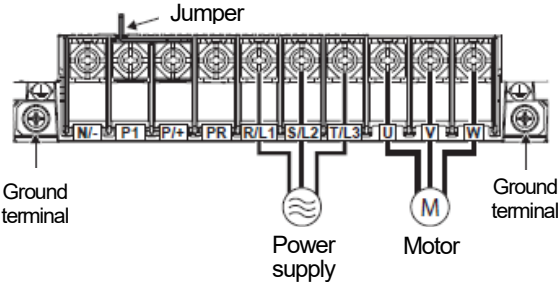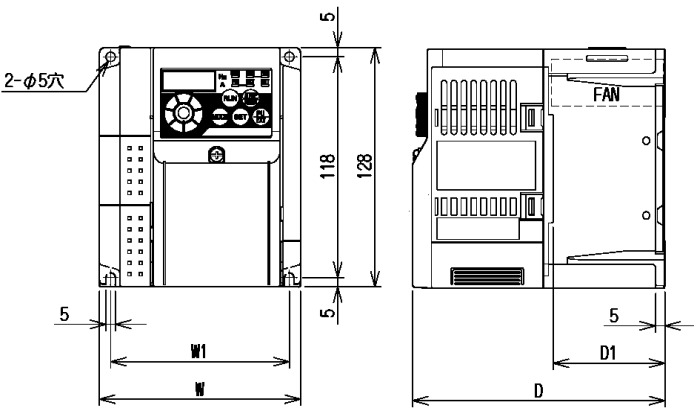
■FR-D740-0.4K to 3.7K

Inverter model	W	W1	D	D1
FR-D740-0.4K/0.75K	108	96	129.5	54
FR-D740-1.5K	108	96	135.5	60
FR-D740-2.2K	108	96	155.5	60
FR-D740-3.7K	108	96	165.5	60

Jumper

Power supply　　　Motor
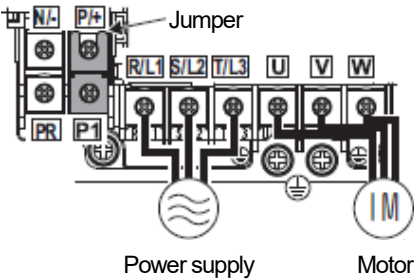
■FR-D840-0.4K to 3.7K
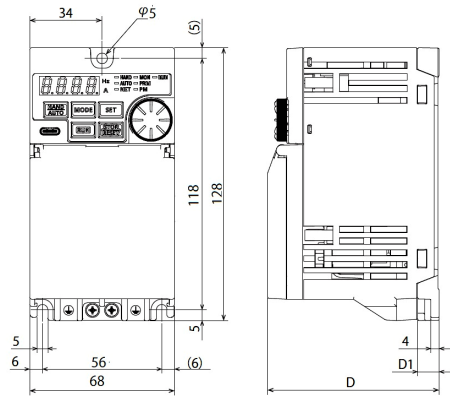
Inverter model	D	D1
FR-D840-0.4K/0.75K	129.5	42
FR-D840-1.5K	167.5	62

Jumper

Power supply　　　Motor
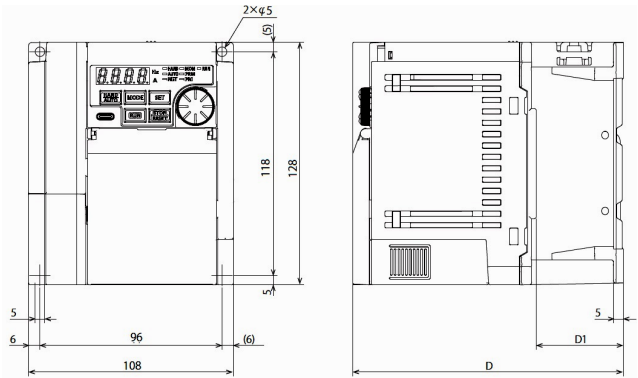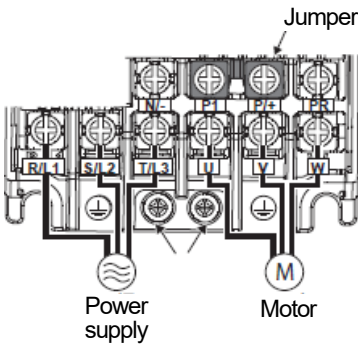
Inverter model	D	D1
FR-D840-2.2K/3.7K	155.5	36

Jumper

Power supply　　Ground terminal　　Motor

■FR-D740-5.5K、7.5K

6
138
150
6
5
208
220

FAN

10
68
155

N/- P1 P/+ PR R/L1 S/L2 T/L3 U V W

2-φ5穴

Jumper

Power
supply

Motor

■FR-D840-5.5K、7.5K

(2)
2×φ5
6
138
150
6
5
6
208
(6)
220

10
D1
D
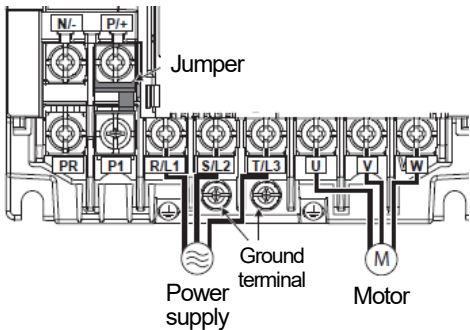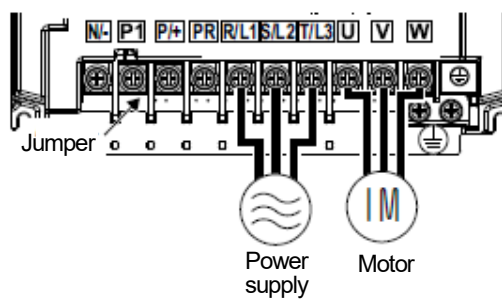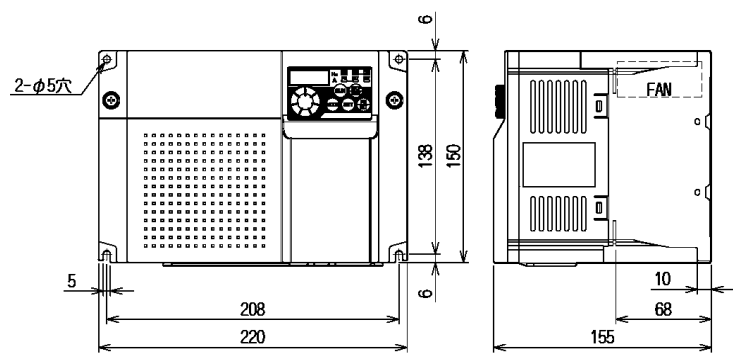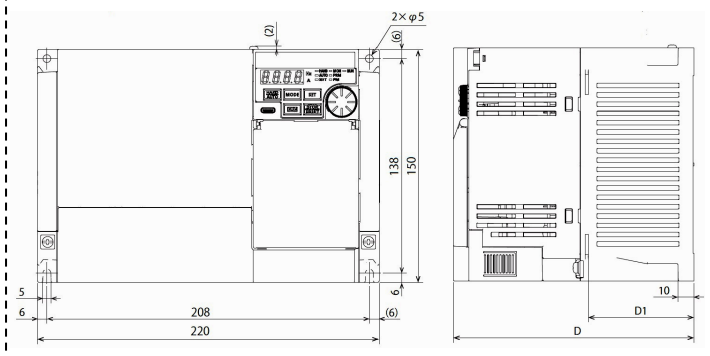
Inverter model	D	D1
FR-D840-5.5K/7.5K	155	68

Jumper

N/- P1 P/+ PR R/L1 S/L2 T/L3 U V W

Ground
terminal

Ground
terminal

Power
supply

Motor
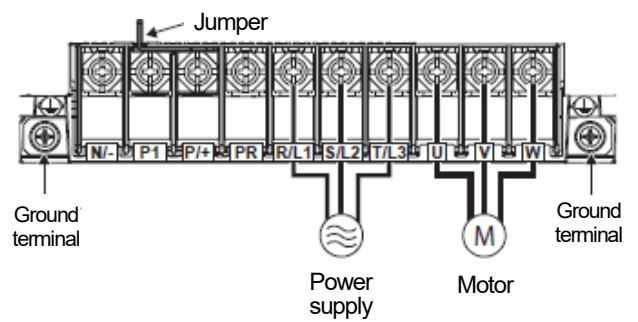
■FR-D720S-0.1K to 0.75K

φ5穴
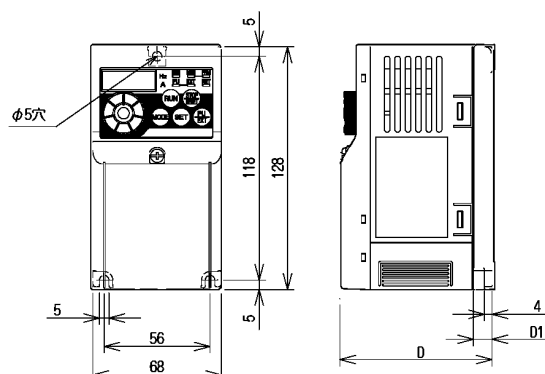
Inverter model	D	D1
FR-D720S-0.1K/0.2K	80.5	10
FR-D720S-0.4K	142.5	42
FR-D720S-0.75K	162.5	62

Jumper

N/- P1 P/+ PR
R/L1 S/L2 U V W

Power supply   Motor

■FR-D720S-1.5K

2-φ5穴
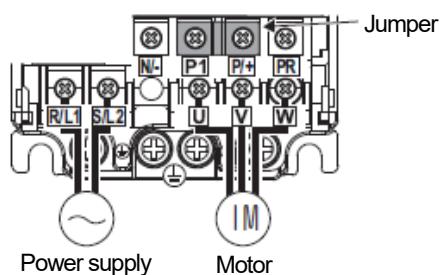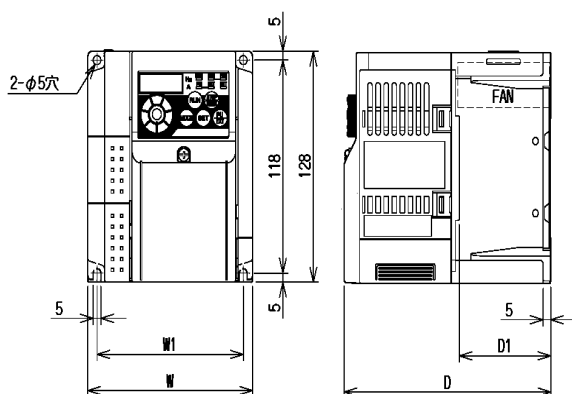
Inverter model	W	W1	D	D1
FR-D720S-1.5K	108	96	155.5	60

Jumper

N/- P/+
PR P1
R/L1 S/L2   U V W

Power supply   Motor
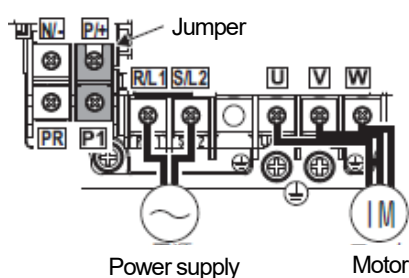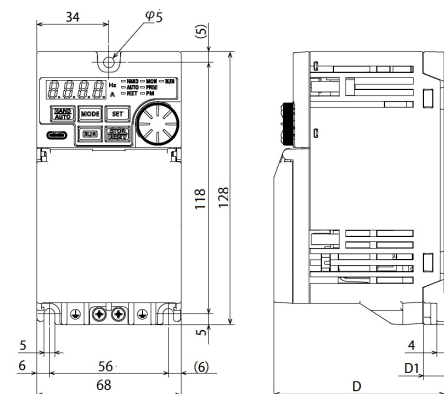
■FR-D820S-0.1K to 0.75K

Inverter model	D	D1
FR-D820S-0.1K/0.2K	80.5	10
FR-D820S-0.4K	132.5	32
FR-D820S-0.75K	142.5	42

Jumper

N/- P1 P/+ PR
R/L1 S/L2 T/L3 U V W

Power supply   Ground terminal   Motor

■FR-D820S-1.5K、2.2K

2×φ5
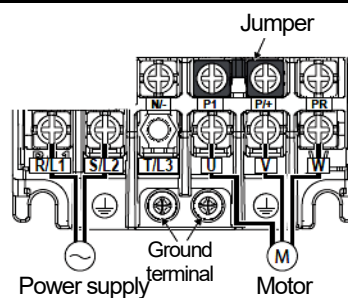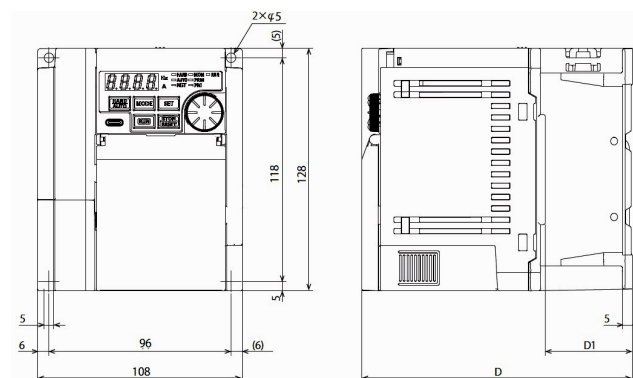
Inverter model	D	D1
FR-D820S-1.5K,2.2K	145	36

N/- P/+
Jumper
PR P1 R/L1 S/L2 T/L3 U V W

Power supply   Ground terminal   Motor

■FR-D720S-2.2K

2-φ5穴

6

138
150

6

5

128

140

145

60

5

FAN

Jumper

N/- P/+

R/L1 S/L2

U V W

PR P1

Power supply

Motor
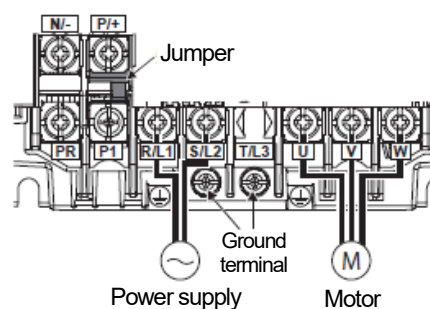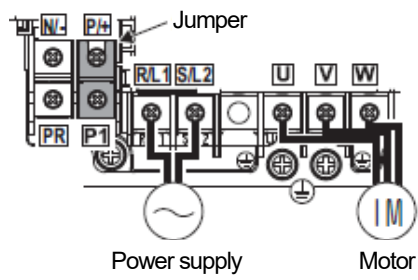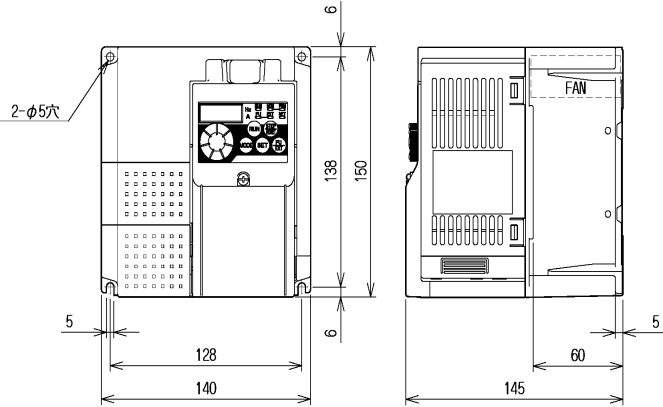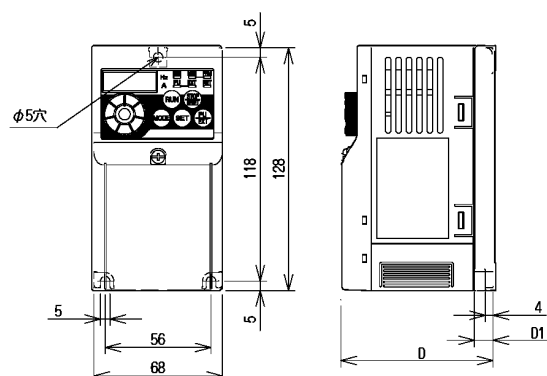
■FR-D710W-0.1K〜0.4K

インバータ形式	D	D1
FR-D710W-0.1K	80.5	10
FR-D710W-0.2K	110.5	10
FR-D710W-0.4K	142.5	42

Power supply   Motor
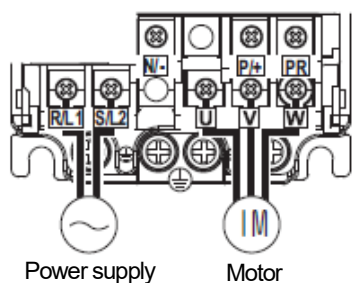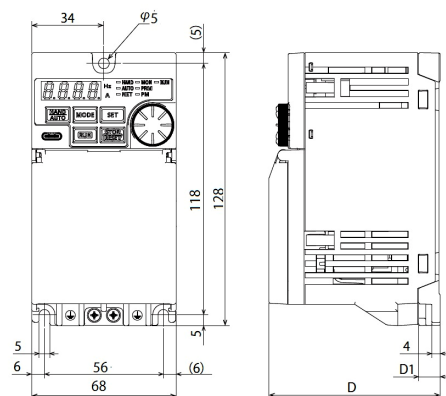
■FR-D810W-0.1K〜0.4K

インバータ形式	D	D1
FR-D810W-0.1K	80.5	10
FR-D810W-0.2K	110.5	10
FR-D810W-0.4K	132.5	32

Power supply   Ground terminal   Motor
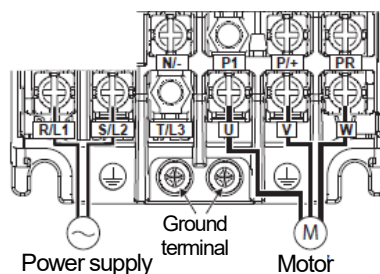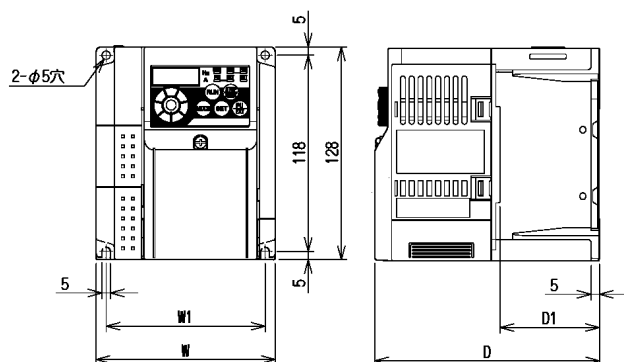
■FR-D710W-0.75K

インバータ形式	W	W1	D	D1
FR-D710W-0.75K	108	96	149.5	54

Power supply   Motor
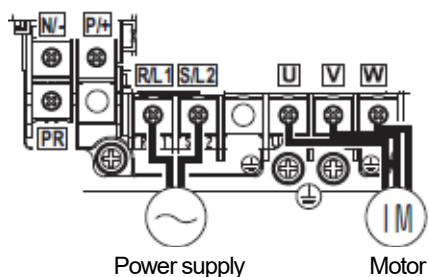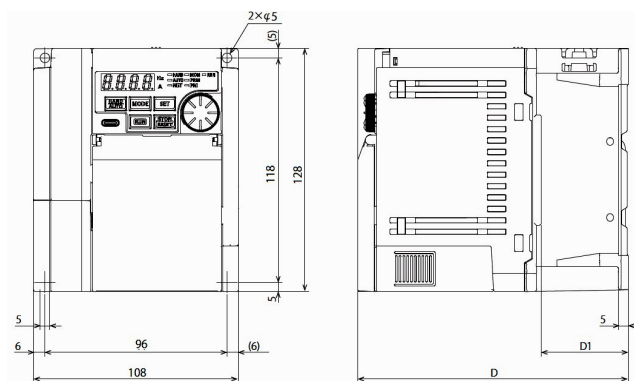
■FR-D810W-0.75K

インバータ形式	D	D1
FR-D810W-0.75K	145	36

Power supply   Ground terminal   Motor
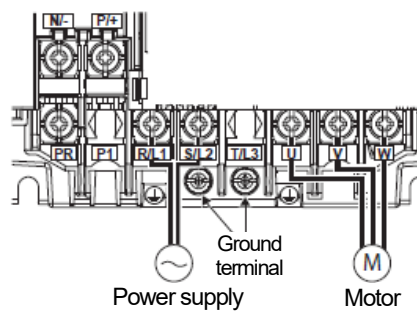
2. Wiring

The terminal names are generally the same, so please connect them according to their names.

For terminal sizes, refer to pages 11 and 12.

Type		Terminal Names for FR-D700	Terminal Names for FR-D800	Remarks
Main Circuit		R/L1, S/L2, T/L3	R/L1, S/L2, T/L3	The single-phase specification does not include the T/L3 terminal.
		U, V, W	U, V, W	
		P/+, PR	P/+, PR	
		P/+, N/−	P/+, N/−	
		P/+, P1	P/+, P1	
		⏚	⏚	
Control Circuit Input Signal	Contact	STF	STF	
		STR	STR	
		RH	RH	
		RM	RM	
		RL	RL	
		SD	SD	Terminal 5 and terminal SE are insulated from each other.
		PC	PC	They are used in the D800 safety configuration.[1]
Analog	Frequency Setting	10	10	[2]
		2	2	
		5	5	Terminal SD and terminal SE are insulated from each other.
		4	4	
Control Circuit Output Signal	Contact	A, B, C	A, B, C	
	Open collector	RUN	RUN	Terminal 5 and terminal SD are insulated from each other.
		SE	SE	
	Pulse	FM	—	D700:1440 pulses/s full scale D800: 0 to 10 V / 12 bits
	Analog	—	AM	
Safety Stop	Safety Input	S1	S1	D700 : Sink logic, Common SC D800 : Source logic, Common PC
		S2	S2	
	Safety Monitor Output	SO	SO	D700: SAFE D800 : SAFE2
		SC	SOC	
Communication	RS-485	PU connector	PU connector	There is also a terminal block for RS-485 communication.

*1　When using terminal PC as an external transistor common, please refer to the D800 instruction manual.

*2　The PTC thermistor is input to terminals 10 and 2.

Terminal Size

〔Terminal size〕

Voltage class	Capacity	FREQROL-D700				FREQROL-D800			
		R, S,T[*1]	U, V, W	P, N, P1, PR	⏚	R, S, T*1	U, V, W	P, N, P1, PR	⏚
3-phase 200V	0.1K to 0.75K	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5
	1.5K to 3.7K	M4	M4	M4	M4	M4	M4	M4	M3.5
	5.5K, 7.5K	M5	M5	M5	M5	M5	M5	M5	M5
3-phase 400V	0.4K to 1.5K	M4	M4	M4	M4	M3.5	M3.5	M3.5	M3.5
	2.2K to 3.7K	M4	M4	M4	M4	M4	M4	M4	M3.5
	5.5K, 7.5K	M4	M4	M4	M4	M4	M4	M4	M4
Single-phase 200V	0.1K to 0.75K	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5
	1.5K, 2.2K	M4	M4	M4	M4	M4	M4	M4	M3.5
Single-phase 100V	0.1K to 0.4K	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5	M3.5
	0.75K	M4	M4	M4	M4	M4	M4	M4	M3.5

＊1 The single-phase power input model does not have a T terminal.

〔Control Circuit Terminal〕

FREQROL-D700	FREQROL-D800
Control Circuit	Control Circuit
Spring Clamp Terminal	
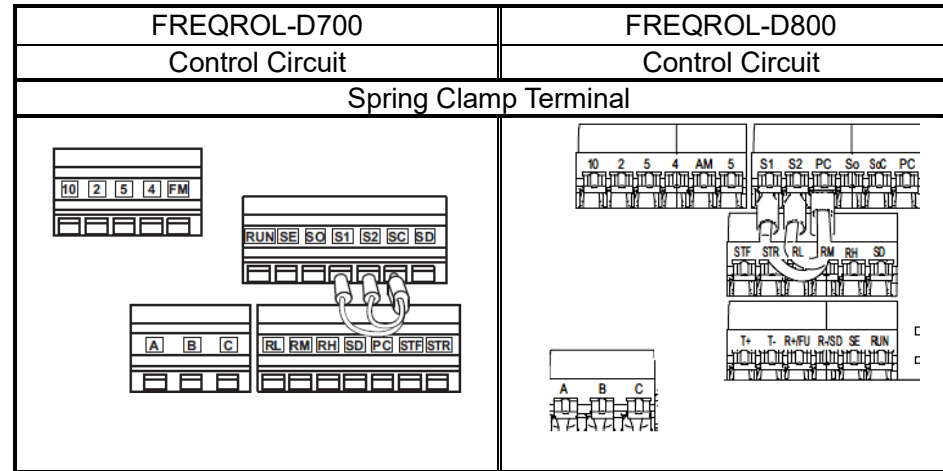
Table: Applicable Wire Sizes for FREQROL-D700 and D800 Control Terminal Blocks (Bare Wire)
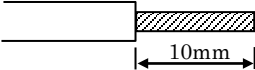
Wire Stripping Length		Applicable Bare Wire Size
		Single Wire （mm^2）
10mm	Ensure that the wires are neatly organized and properly routed to avoid scattering. Additionally, do not apply solder to the wire ends.	0.3 to 0.75

Table: Applicable Wire Sizes for Control Terminal Blocks (When Using Ferrules)

Ferrule Model (Manufactured by Phoenix Contact, Ltd.)		Applicable Bare Wire Size （mm^2）
With Insulated Sleeve	Without Insulated Sleeve	
AI 0,34-10TQ	-	0.3 to 0.5
AI 0.5-10WH	-	
AI 0.75-10GY	AI 0.75-10	0.75
AI 1-10RD	A 1-10	1
AI 1.5-10BK	AI 1.5-10	1.25, 1.5
AI-TWIN 2×0.75-10GY	-	0.75(For Two Wires)

Ferrule Model (Manufactured by Nichifu Co., Ltd.)		Applicable Bare Wire Size （mm^2）
Ferrule Part Number	Cap Part Number	
BT 0.75-11	VC 0.75	0.3 to 0.75

3. Parameters　(We are planning to provide inverter setup software that can automatically migrate parameter settings from the conventional D700 series to the D800 series.)

The parameter numbers are mostly the same, but there are some differences in certain functions. Please refer to the table below for the settings.

Parameter Correspondence Table for FREQROL-D700 Series and FREQROL-D800 (ND Rating) Series

The following outlines the parameter settings when replacing the FREQROL-D700 series with the FREQROL-D800 series.
Please note that the parameter migration shown in the table below does not guarantee the operating characteristics or performance of the inverter.

The parameter number of the [ ] parameters different from that of the FREQROL-D700 series inverter.

Setting
◎ : Set the FREQROL-D700 parameter as it is
△ : Change the FREQROL-D700 parameter and set
× : Adjust and set the FREQROL-D800 inverter parameter

FREQROL-D700 parameter list				FREQROL-D800 compatible parameter				Parameter setting	
Pr.	Name	Setting range	Initial value	Pr.	Name	Setting range	Initial value	Setting	Remarks
0	Torque boost	0% to 30%	6% / 4% / 3% / 2%	0	Torque boost	0% to 30%	6% / 4% / 3%	△	Please adjust as needed.
1	Maximum frequency	0 to 120 Hz	120 Hz	1	Maximum frequency	0 to 120 Hz	120 Hz	◎	
2	Minimum frequency	0 to 120 Hz	0 Hz	2	Minimum frequency	0 to 120 Hz	0 Hz	◎	
3	Base frequency	0 to 400 Hz	60 Hz	3	Base frequency	0 to 400 Hz	60 Hz	◎	For V/F control, set Pr.80 = 9999 to Pr.800 = 40. The default value is Group 1 (D800).
4	Multi-speed setting (high speed)	0 to 400 Hz	60 Hz	4	Multi-speed setting (high speed)	0 to 400 Hz	60 Hz	◎	The default value is Group 1 (D800).
5	Multi-speed setting (middle speed)	0 to 400 Hz	30 Hz	5	Multi-speed setting (middle speed)	0 to 400 Hz	30 Hz	◎	
6	Multi-speed setting (low speed)	0 to 400 Hz	10 Hz	6	Multi-speed setting (low speed)	0 to 400 Hz	10 Hz	◎	
7	Acceleration time	0 to 3600 s / 0 to 360 s	5 s / 10 s / 15 s	7	Acceleration time	0 to 3600 s / 0 to 360 s	5 s / 10 s	◎	
8	Deceleration time	0 to 3600 s / 0 to 360 s	5 s / 10 s / 15 s	8	Deceleration time	0 to 3600 s / 0 to 360 s	5 s / 10 s	◎	
9	Electronic thermal O/L relay	0 to 500 A	Rated output current	9	Electronic thermal O/L relay	0 to 500 A	Rated output current	◎	Set the motor rated current.
10	DC injection brake operation frequency	0 to 120 Hz	3 Hz	10	DC injection brake operation frequency	0 to 120 Hz	3 Hz	◎	
11	DC injection brake operation time	0 to 10 s	0.5 s	11	DC injection brake operation time	0 to 10 s	0.5 s	◎	
12	DC injection brake operation voltage	0 to 30%	6% / 4% / 2%	12	DC injection brake operation voltage	0% to 30%	6% / 4%	◎	
13	Starting frequency	0 to 60 Hz	0.5 Hz	13	Starting frequency	0 to 60 Hz	0.5 Hz	◎	
14	Load pattern selection	0 to 3	0	14	Load pattern selection	0 to 3	0	◎	
15	Jog frequency	0 to 400 Hz	5 Hz	15	Jog frequency	0 to 400 Hz	5 Hz	◎	
16	Jog acceleration/deceleration time	0 to 3600 s	0.5 s	16	Jog acceleration/deceleration time	0 to 3600 s	0.5 s	◎	
17	MRS input selection	0, 2, 4	0	17	MRS/X10 Terminal Input Selection	0 to 5	0	△	The input specification of the X10 signal can also be modified.
18	High speed maximum frequency	120 to 400 Hz	120 Hz	18	High speed maximum frequency	0 to 590Hz	120Hz	◎	
19	Base frequency voltage	0 to 1000 V, 8888, 9999	9999	19	Base frequency voltage	0 to 1000 V, 8888, 9999	9999	◎	For V/F control, set Pr.80 = 9999 to Pr.800 = 40. The default value is Group 1 (D800).
20	Acceleration/deceleration reference frequency	1 to 400 Hz	60 Hz	20	Acceleration/deceleration reference frequency	1 to 590Hz	60Hz	◎	The default value is Group 1 (D800).
22	Stall prevention operation level	0% to 200%	150%	22	Stall Prevention Operation Level (Torque Limit Level)	0 to 400%	150%	◎	Set Pr.570 = 2 for ND rating.
23	Stall prevention operation level compensation factor at double speed	0% to 200%, 9999	9999	23	Correction Factor for Stall Prevention Operation Level at Double Speed	0 to 200%,9999	9999	△	In the FR-D800, when set to "9999," the stall prevention function is disabled during double-speed operation.

FREQROL-D700 parameter list				FREQROL-D800 compatible parameter				Parameter setting	
Pr.	Name	Setting range	Initial value	Pr.	Name	Setting range	Initial value	Setting	Remarks
24	Multi-speed setting (speed 4)	0 to 400 Hz, 9999	9999	24	Multi-speed setting (speed 4)	0 to 590 Hz, 9999	9999	◎	
25	Multi-speed setting (speed 5)	0 to 400 Hz, 9999	9999	25	Multi-speed setting (speed 5)	0 to 590 Hz, 9999	9999	◎	
26	Multi-speed setting (speed 6)	0 to 400 Hz, 9999	9999	26	Multi-speed setting (speed 6)	0 to 590 Hz, 9999	9999	◎	
27	Multi-speed setting (speed 7)	0 to 400 Hz, 9999	9999	27	Multi-speed setting (speed 7)	0 to 590 Hz, 9999	9999	◎	
29	Acceleration/deceleration pattern selection	0, 1, 2	0	29	Acceleration/deceleration pattern selection	0, 1, 2	0	◎	
30	Regenerative function selection	0, 1, 2	0	30	Regenerative function selection	0, 1, 2	0	◎	
31	Frequency jump 1A	0 to 400 Hz, 9999	9999	31	Frequency jump 1A	0 to 590 Hz, 9999	9999	◎	
32	Frequency jump 1B	0 to 400 Hz, 9999	9999	32	Frequency jump 1B	0 to 590 Hz, 9999	9999	◎	
33	Frequency jump 2A	0 to 400 Hz, 9999	9999	33	Frequency jump 2A	0 to 590 Hz, 9999	9999	◎	
34	Frequency jump 2B	0 to 400 Hz, 9999	9999	34	Frequency jump 2B	0 to 590 Hz, 9999	9999	◎	
35	Frequency jump 3A	0 to 400 Hz, 9999	9999	35	Frequency jump 3A	0 to 590 Hz, 9999	9999	◎	
36	Frequency jump 3B	0 to 400 Hz, 9999	9999	36	Frequency jump 3B	0 to 590 Hz, 9999	9999	◎	
37	Speed display	0, 0.01 to 9998	0	37	Speed display	0.01 to 9998	1800	△	Set the frequency display to Pr.53 = 0 and the machine speed to Pr.53 = 4, with the reference set to Pr.505 = 60Hz (Group 1 factory default value). Machine speed conversion formula: Pr.37 × Frequency / Pr.505
40	RUN key rotation direction selection	0, 1	0	40	RUN key rotation direction selection	0, 1	0	◎	
41	Up-to-frequency sensitivity	0% to 100%	10%	41	Up-to-frequency sensitivity	0% to 100%	10%	◎	
42	Output frequency detection	0 to 400 Hz	6 Hz	42	Output frequency detection	0 to 590 Hz	6Hz	◎	
43	Output frequency detection for reverse rotation	0 to 400 Hz, 9999	9999	43	Output frequency detection for reverse rotation	0 to 590 Hz, 9999	9999	◎	
44	Second acceleration/deceleration time	0 to 3600s / 0 to 360s	5s / 10s / 15s	44	Second acceleration/deceleration time	0 to 3600s	5s/10s	◎	
45	Second deceleration time	0 to 3600 s / 0 to 360 s, 9999	9999	45	Second deceleration time	0 to 3600s, 9999	9999	◎	
46	Second torque boost	0% to 30%, 9999	9999	46	Second torque boost	0% to 30%, 9999	9999	◎	
47	Second V/F (base frequency)	0 to 400 Hz, 9999	9999	47	Second V/F (base frequency)	0 to 590 Hz, 9999	9999	◎	For V/F control, set Pr.80 = 9999 to Pr.800 = 40.
48	Second stall prevention operation current	0% to 200%, 9999	9999	48	Second stall prevention operation current	0% to 400%, 9999	9999	◎	
51	Second electronic thermal O/L relay	0 to 500 A, 9999	9999	51	Second electronic thermal O/L relay	0 to 500 A, 9999	9999	◎	
52	DU/PU main display data selection	0,5,8 to 12,14,20, 23 to 25,52 to 57, 61,62,64,100	0	52	DU/PU main display data selection	0,5 to 14,17,18,20, 23 to 25,32,33,37,38, 44,50 to 55,61,62,64, 67,68,91,97,98,100	0	◎	
				53	Frequency / rotation speed unit switchover	0,1,4	0	△	
54	FM terminal function selection	1 to 3, 5, 8 to 12, 14, 21, 24, 52, 53, 61, 62	1					×	The FM terminal is not available; it is replaced by the AM terminal.
55	Frequency monitoring reference	0 to 400 Hz	60 Hz	55	Frequency monitoring reference	0 to 590 Hz	60 Hz	◎	・For the FR-D800, set the full-scale value for outputting the frequency monitor value to the AM terminal. ・The default value is Group 1 (D800).
56	Current monitoring reference	0 to 500 A	Rated output current	56	Current monitoring reference	0 to 500 A	Rated output current	◎	For the FR-D800, set the full-scale value for outputting the current monitor value to the AM terminal.
57	Restart coasting time	0, 0.1 to 5s, 9999	9999	57	Restart coasting time	0, 0.1 to 5s, 9999	9999	◎	
58	Restart cushion time	0 to 60s	1.0 s	58	Restart cushion time	0 to 60s	1.0 s	◎	
59	Remote function selection	0, 1, 2, 3	0	59	Remote function selection	0, 1, 2, 3	0	◎	
60	Energy saving control selection	0, 9	0	60	Energy saving control selection	0, 9	0	△	Also effective during advanced flux operation.
65	Retry selection	0 to 5	0	65	Retry selection	0 to 5	0	△	If a non-retry error occurs while a retry-eligible error is active, the retry operation will continue. However, after the retry, the retry operation will terminate due to the occurrence of the non-retry error.
66	Stall prevention operation reduction starting frequency	0 to 400 Hz	60 Hz	66	Stall prevention operation reduction starting frequency	0 to 590Hz	60Hz	◎	The default value is Group 1 (D800).

	FREQROL-D700 parameter list				FREQROL-D800 compatible parameter			Parameter setting	
Pr.	Name	Setting range	Initial value	Pr.	Name	Setting range	Initial value	Setting	Remarks
67	Number of retries at fault occurrence	0 to 10, 101 to 110	0	67	Number of retries at fault occurrence	0 to 10, 101 to 110	0	◎	
68	Retry waiting time	0.1 to 360 s	1 s	68	Retry waiting time	0.1 to 600 s	1s	◎	
69	Retry count display erase	0	0	69	Retry count display erase	0	0	◎	
70	Special regenerative brake duty	0% to 30%	0%	70	Special regenerative brake duty	0% to 30%	0%	◎	
71	Applied motor	0,1,3,13,23,40,43,50,53	0	71	Applied motor	0,3,5,6,10,13,15,16,20,23,40,43,50,53,70,73,1140,8090,8093,9090,9093	0	△	Please set 1 → 10 or 13, and 23 → 0 or 3. When the FR-D800 is set to "23 (Mitsubishi Electric Standard Efficiency Motor (SF-JR 4P 1.5kW or below))," the motor constant setting values will be based on internal data values. Motor constant setting parameters: Pr.82, Pr.859, Pr.90 to 94, Pr.706
72	PWM frequency selection	0 to 15	1	72	PWM frequency selection	0 to 15	1	△	Please modify Pr.260 as necessary.
73	Analog input selection	0, 1, 10, 11	1	73	Analog input selection	0, 1, 10, 11	1	△	You can select voltage or current using Switch 1.
74	Input filter time constant	0 to 8	1	74	Input filter time constant	0 to 8	1	◎	
75	Reset selection/disconnected PU detection/PU stop selection	0 to 3, 14 to 17	14	75	Reset selection/disconnected PU detection/PU stop selection	0 to 3, 14 to 17	14	◎	
77	Parameter write selection	0, 1, 2	0	77	Parameter write selection	0, 1, 2	0	◎	
78	Reverse rotation prevention selection	0, 1, 2	0	78	Reverse rotation prevention selection	0, 1, 2	0	◎	
79	Operation mode selection	0 to 4, 6, 7	0	79	Operation mode selection	0 to 4, 6, 7	0	◎	
80	Motor capacity	0.1 to 15 kW, 9999	9999	80	Motor capacity	0.1 to 18.5kW, 9999	9999	△	For V/F control, set Pr.800 = 40. For controls other than V/F, configure Pr.80 and Pr.81. If started in the state of 9999, the SE alarm will be displayed. Example: When Pr.800 = 20 and Pr.80, Pr.81 = 9999.
81	Number of motor poles	2, 4, 6, 8, 10, 9999		81	Number of motor poles	2,4,6,8,10,12, 9999	9999	△	
82	Motor excitation current	0 to 500 A, 9999	9999	82	Motor excitation current	0 to 500A, 9999	9999	◎	
83	Rated motor voltage	0 to 1000 V	200/400V	83	Rated motor voltage	0 to 1000V	200/400V	◎	
84	Rated motor frequency	10 to 120 Hz	60Hz	84	Rated motor frequency	10 to 400Hz, 9999	9999	△	9999 uses Pr.3.
				89	Speed control gain (Advanced magnetic flux vector)	0% to 200%, 9999	9999	△	
90	Motor constant (R1)	0 to 50Ω,9999	9999	90	Motor constant (R1)	0 to 50Ω,9999	9999	◎	
96	Auto tuning setting/status	0,11,21	0	96	Auto tuning setting/status	0,1,11	0	△	Set 11 → 1 and 21 → 11. If auto-tuning has been performed, please perform tuning again as necessary.
117	PU communication station number	0 to 31 (0 to 247)	0	117	485 communication station number	0 to 31 (0 to 247)	0	◎	
118	PU communication speed	48,96,192,384	192	118	485 communication speed	48,96,192,384,576,768,1152	192	◎	
119	PU communication stop bit length	0,1,10,11	1	119	485 communication stop bit length	0,1,10,11	1	◎	
120	PU communication parity check	0,1,2	2	120	485 communication parity check	0,1,2	2	◎	
121	Number of PU communication retries	0 to 10,9999	1	121	Number of 485 communication retries	0 to 10,9999	1	◎	
122	PU communication check time interval	0,0.1 to 999.8s,9999	0	122	485 communication check time interval	0,0.1 to 999.8s,9999	0	◎	
123	PU communication waiting time setting	0 to 150ms,9999	9999	123	485 communication waiting time setting	0 to 150ms,9999	9999	◎	
124	PU communication CR/LF selection	0,1,2	1	124	485 communication CR/LF selection	0,1,2	1	◎	
125	Terminal 2 frequency setting gain frequency	0 to 400 Hz	60 Hz	125	Terminal 2 frequency setting gain frequency	0 to 590 Hz	60 Hz	◎	The factory default value is Group 1 (D800).
126	Terminal 4 frequency setting gain frequency	0 to 400 Hz	60 Hz	126	Terminal 4 frequency setting gain frequency	0 to 590 Hz	60 Hz	◎	The factory default value is Group 1 (D800).
127	PID control automatic switchover frequency	0 to 400 Hz,9999	9999	127	PID control automatic switchover frequency	0 to 590 Hz,9999	9999	◎	
128	PID action selection	0,20,21,40〜43	0	128	PID action selection	0,20,21,40 to 43,1000,1001,1010,1011,2000,2001,2010,2011	0	△	Set Pr.609 and Pr.610 as necessary.
129	PID proportional band	0.1% to 1000%, 9999	100%	129	PID proportional band	0.1% to 1000%, 9999	100%	◎	
130	PID integral time	0.1 to 3600s, 9999	1s	130	PID integral time	0.1 to 3600 s, 9999	1s	◎	
131	PID upper limit	0% to 100%, 9999	9999	131	PID upper limit	0% to 100%, 9999	9999	◎	

FREQROL-D700 parameter list				FREQROL-D800 compatible parameter				Parameter setting	
Pr.	Name	Setting range	Initial value	Pr.	Name	Setting range	Initial value	Setting	Remarks
132	PID lower limit	0% to 100%, 9999	9999	132	PID lower limit	0% to 100%, 9999	9999	◎	
133	PID action set point	0% to 100%, 9999	9999	133	PID action set point	0% to 100%, 9999	9999	◎	9999 corresponds to Terminal 2 → Pr.128 setting. Dancer is fixed at 50% → It corresponds to the terminal selected in Pr.609.
134	PID differential time	0.01 to 10.00 s, 9999	9999	134	PID differential time	0.01 to 10.00 s, 9999	9999	◎	
145	PU display language selection	0 to 7	0	145	PU display language selection	0 to 7	-	×	Compatible with FR-PU07; not compatible with FR-PU04.
146	Built-in potentiometer switching	0, 1	1					×	The FR-PA02 operation panel for the FR-E500 cannot be used.
150	Output current detection level	0% to 200%	150%	150	Output current detection level	0 to 400%	150%	◎	Pr.570=2 to ND rating
151	Output current detection signal delay time	0 to 10 s	0s	151	Output current detection signal delay time	0 to 10s	0s	◎	
152	Zero current detection level	0% to 200%	5.0%	152	Zero current detection level	0 to 400%	5.0%	◎	
153	Zero current detection time	0 to 1 s	0.5s	153	Zero current detection time	0 to 10s	0.5s	◎	
156	Stall prevention operation selection	0 to 31,100,101	0	156	Stall prevention operation selection	0 to 31,100,101	0	◎	
157	OL signal output timer	0 to 25 s, 9999	0s	157	OL signal output timer	0 to 25s,9999	0s	◎	
158	User group read selection	0, 1, 9999		158	User group read selection	1 to 3,5 to 14,17,18,21, 24,32,33,37,50,52, 53,61,62,67,97,98	1	×	It is the AM terminal.
160	Extended function display selection	0, 9999	9999	160	Extended function display selection	0,1,9999	0	◎	The factory default value is 0.
161	Frequency setting / key lock operation selection	0, 1, 10, 11	0	161	Frequency setting / key lock operation selection	0,1,10,11	0	◎	
162	Automatic restart after instantaneous power failure selection	0,1,10,11	1	162	Automatic restart after instantaneous power failure selection	0,1,10,11	0	△	The factory default value for D800 is 0.
165	Stall prevention operation level for restart	0 to 200%	150%	165	Stall prevention operation level for restart	0 to 400%	150%	◎	Set Pr.570 = 2 to ND rating.
166	Output current detection signal hold time	0 to 10s,9999	0.1s	166	Output current detection signal hold time	0 to 10s,9999	0.1s	◎	
167	Output current detection operation selection	0,1	0	167	Output current detection operation selection	0,1,10,11	0	◎	
170	Watt-hour meter clear	0, 10, 9999	9999	170	Watt-hour meter clear	0, 10, 9999	9999	◎	
171	Operation hour meter clear	0, 9999	9999	171	Operation hour meter clear	0, 9999	9999	◎	
178	STF terminal function selection	0 to 5,7,8,10,12, 14,16,18,24,25,60 ,62,65 to 67,9999	60	178	STF terminal function selection	0to 5,7,8,10,12,14,16, 18,24,25,27,30,37,46, 47,60,62,64 to 67,72,84, 9999	60	◎	
179	STR terminal function selection	0 to 5,7,8,10,12, 14,16,18,24,25,61 ,62,65 to 67,9999	61	179	STR terminal function selection	0to 5,7,8,10,12,14,16, 18,24,25,27,30,37,46, 47,61,62,64 to 67,72,84, 9999	61	◎	
180	RL terminal function selection	0 to 5,7,8,10,12, 14,16,18,24,25,62 ,65 to 67,9999	0	180	RL terminal function selection	0 to 5,7,8,10,12,14, 16,18,24,25,27,30,37, 46,47,62,64 to 67,72,84,9999	0	◎	
181	RM terminal function selection		1	181	RM terminal function selection		1	◎	
182	RH terminal function selection		2	182	RH terminal function selection		2	◎	
190	MRS terminal function selection	0,1,3,4,7,8, 11 to 16,25,26, 46,47,64,70,80,81 ,90,91,93,95,96,9 8,99,100,101,103, 104,107,108,111 to 116,125,126, 146,147,164,170, 180,181,190,191, 193,195,196,198, 199,9999	0	190	MRS terminal function selection	0,1,3,4,7,8,11 to 16, 18,19,25,26,34,40,41, 46 to 48,57,64 to 66,70,79 to 81, 90 to 93,95,96,98,99, 100,101,103,104,107, 108,111 to 116,125, 126,134,140,141, 146 to 148,157, 164 to 166,170, 179 to 181,190 to 193,195,196,198,199, 206,207,211 to 213, 306,307,311 to 313,9999	0	◎	
				191	FU terminal function selection		4	△	

FREQROL-D700 parameter list				FREQROL-D800 compatible parameter				Parameter setting	
Pr.	Name	Setting range	Initial value	Pr.	Name	Setting range	Initial value	Setting	Remarks
192	A,B,C terminal function selection	0,1,3,4,7,8, 11 to 16,25,26, 46,47,64,70,80,81 ,90,91,95,96,98,9 9,100,101,103, 104,107,108,111 to 16,125,126, 146,147,164,170, 180,181,190,191, 195,196,198,199, 9999 (ABC terminal) 93,193 (SO terminal)	99	192	A, B, C terminal function selection	0,1,3,4,7,8,11 to 16, 18,19,25,26,34,40,41, 46 to 48,57,64 to 66, 70,79 to 81,90 to 93, 95,96,98,99,100, 101,103,104,107,108, 111 to 116,125,126, 134,140,141, 146 to 148,157, 164 to 166,170, 179 to 181,190, 191,195,196,198,199, 206207,211 to 213, 306,307,311 to 313, 9999	99	◎	
197	SO terminal function selection		80					×	The SO terminal function is fixed to SAFE2.
232	Multi-speed setting (speed 8)	0 to 400 Hz,9999	9999	232	Multi-speed setting (speed 8)	0 to 590 Hz,9999	9999	◎	
233	Multi-speed setting (speed 9)	0 to 400 Hz,9999	9999	233	Multi-speed setting (speed 9)	0 to 590 Hz,9999	9999	◎	
234	Multi-speed setting (speed 10)	0 to 400 Hz,9999	9999	234	Multi-speed setting (speed 10)	0 to 590 Hz,9999	9999	◎	
235	Multi-speed setting (speed 11)	0 to 400 Hz,9999	9999	235	Multi-speed setting (speed 11)	0 to 590 Hz,9999	9999	◎	
236	Multi-speed setting (speed 12)	0 to 400 Hz,9999	9999	236	Multi-speed setting (speed 12)	0 to 590 Hz,9999	9999	◎	
237	Multi-speed setting (speed 13)	0 to 400 Hz,9999	9999	237	Multi-speed setting (speed 13)	0 to 590 Hz,9999	9999	◎	
238	Multi-speed setting (speed 14)	0 to 400 Hz,9999	9999	238	Multi-speed setting (speed 14)	0 to 590 Hz,9999	9999	◎	
239	Multi-speed setting (speed 15)	0 to 400 Hz,9999	9999	239	Multi-speed setting (speed 15)	0 to 590 Hz,9999	9999	◎	
240	Soft-PWM operation selection	0,1	1	240	Soft-PWM operation selection	0,1	1	◎	Please modify Pr.260 as needed.
241	Analog input display unit switchover	0,1	0	241	Analog input display unit switchover	0,1	0	◎	
244	Cooling fan operation selection	0,1	1	244	Cooling fan operation selection	0,1	1	◎	
245	Rated slip	0 to 50%,9999	9999	245	Rated slip	0 to 50%,9999	9999	◎	This is effective during V/F control. When advanced flux vector control is selected, slip compensation is always enabled.
246	Slip compensation time constant	0.01 to 10s	0.5s	246	Slip compensation time constant	0.01 to 10s	0.5s	◎	
247	Constant-power range slip compensation selection	0,9999	9999	247	Constant-power range slip compensation selection	0,9999	9999	◎	
249	Earth (ground) fault detection at start	0,1	0	249	Earth (ground) fault detection at start	0,1	0	◎	The default factory setting is Group 1 (D800).
250	Stop selection	0 to 100s, 1000 to 1100s, 8888,9999	9999	250	Stop selection	0 to 100s, 1000 to 1100s, 8888,9999	9999	◎	
251	Output phase loss protection selection	0,1	1	251	Output phase loss protection selection	0,1	1	◎	
255	Life alarm status display	0 to 15	0	255	Life alarm status display	0 to 367	0	◎	
256	Inrush current limit circuit life display	0 to 100%	100	256	Inrush current limit circuit life display	0 to 100%	100	◎	
257	Control circuit capacitor life display	0 to 100%	100	257	Control circuit capacitor life display	0 to 100%	100	◎	
258	Main circuit capacitor life display	0 to 100%	100	258	Main circuit capacitor life display	0 to 100%	100	◎	
259	Main circuit capacitor life measuring	0,1	0	259	Main circuit capacitor life measuring	0,1	0	◎	
260	PWM frequency automatic switchover	0,1	0	260	PWM frequency automatic switchover	0,10	10	△	The default factory setting enables the PWM carrier frequency automatic reduction function.
261	Power failure stop selection	0,1,2	0	261	Power failure stop selection	0,1,2	0	◎	
267	Terminal 4 input selection	0,1,2	0	267	Terminal 4 input selection	0,1,2	0	△	Voltage and current can be selected using Switch 2.
268	Monitor decimal digits selection	0,1,9999	9999	268	Monitor decimal digits selection	0,1,9999	9999	◎	
295	Frequency change increment amount setting	0,0.01,0.10,1.00, 10.00	0	295	Frequency change increment amount setting	0,0.01,0.10,1.00, 10.00	0	◎	
296	Password lock level	1 to 6, 101 to 106,9999	9999	296	Password lock level	1 to 6,99,101 to 106,199, 9999	9999	◎	
297	Password lock/unlock	1000 to 9998 （0 to 5,9999)	9999	297	Password lock/unlock	（0 to 5) 1000 to 9998 9999	9999	◎	
298	Frequency search gain	0 to 32767,9999	9999	298	Frequency search gain	0 to 32767,9999	9999	◎	
299	Communication operation command source	0,1,9999	0	299	Communication operation command source	0,1,9999	0	◎	
338	Communication speed command source	0,1	0	338	Communication speed command source	0,1	0	◎	

FREQROL-D700 parameter list				FREQROL-D800 compatible parameter				Parameter setting	
Pr.	Name	Setting range	Initial value	Pr.	Name	Setting range	Initial value	Setting	Remarks
339	Communication speed command source	0,1,2	0	339	Communication speed command source	0,1,2	0	◎	
340	Communication startup mode selection	0,1,10	0	340	Communication startup mode selection	0,1,10	0	◎	
342	Communication EEPROM write selection	0,1	0	342	Communication EEPROM write selection	0,1	0	◎	
343	Communication error count	—	0	343	Communication error count	—	0	◎	
495	Remote output selection	0,1,10,11	0	495	Remote output selection	0,1,10,11	0	◎	
496	Remote output data 1	0 to 4095	0	496	Remote output data 1	0 to 4095	0	×	SO has been removed in the FR-D800. Additionally, FU is added to b4
502	Stop mode selection at communication error	0,1,2	0	502	Stop mode selection at communication error	0,1,2,6	0	◎	
503	Maintenance timer	0(1 to 9998)	0	503	Maintenance timer	0(1 to 9998)	0	◎	
504	Maintenance timer alarm output set time	0 to 9998,(9999)	9999	504	Maintenance timer alarm output set time	0 to 9998,(9999)	9999	◎	
				505	Speed setting reference	1 to 590Hz	60Hz	△	The default value is Group 1 (D800)
549	Protocol selection	0,1	0	549	Protocol selection	0,1	0	◎	
551	PU mode operation command source selection	2,4,9999	9999	551	PU mode operation command source selection	2 to 4,9999	9999	◎	When the FR-D800 is set to 9999: The priority of PU command authority will be USB connector > PU connector > operation panel.
555	Current average time	0.1 to 1.0s	1s	555	Current average time	0.1 to 1.0s	1s	◎	
556	Data output mask time	0.0 to 20.0s	0s	556	Data output mask time	0.0 to 20.0s	0s	◎	
557	Current average value monitor signal output reference current	0 to 500A	Inverter rated current	557	Current average value monitor signal output reference current	0 to 500A	Inverter rated current	◎	
561	PTC thermistor protection level	0.5 to 30k,9999	9999	561	PTC thermistor protection level	0.5 to 30k,9999	9999	◎	
563	Energization time carrying-over times	(0 to 65535)	0	563	Energization time carrying-over times	(0 to 65535)	0	◎	
564	Operating time carrying-over times	(0 to 65535)	0	564	Operating time carrying-over times	(0 to 65535)	0	◎	
				570	Multiple rating setting [3-phase]	0,2	2	△	Set to the ND rating for Setting 2. Single-phase 200V supports ND rating only.
571	Holding time at a start	0.0 to 10.0s, 9999	9999	571	Holding time at a start	0.0 to 10.0s,9999	9999	◎	
575	Output interruption detection time	0 to 3600s,9999	1s	575	Output interruption detection time	0 to 3600s,9999	1s	◎	
576	Output interruption detection level	0 to 400 Hz	0 Hz	576	Output interruption detection level	0 to 590 Hz	0 Hz	◎	
577	Output interruption cancel level	900 to 1100%	1000%	577	Output interruption cancel level	900 to 1100%	1000%	◎	
				609	PID set point/deviation input selection	2,3	2	△	
				610	PID measured value input selection	2,3	3	△	
611	Acceleration time at a restart	0 to 3600s,9999	9999	611	Acceleration time at a restart	0 to 3600s,9999	9999	◎	
653	Speed smoothing control	0 to 200%	0	653	Speed smoothing control	0 to 200%	0	△	Adjustment of Pr.654 is possible.
				654	Speed smoothing cutoff frequency	0 to 120 Hz	20 Hz	△	
665	Regeneration avoidance frequency gain	0 to 200%	100	665	Regeneration avoidance frequency gain	0 to 200%	100	◎	
				800	Control method selection	10,19,20,40	40	△	Set V/F control to 40. If Pr.80 is set, use Advanced Flux Vector Control (20) and adjust Pr.89 as necessary to address motor speed variations caused by load fluctuations.
872	Input phase loss protection selection	0,1	0	872	Input phase loss protection selection [3-phase]	0,1	1	◎	This setting is only available for three-phase power input models. The default value enables input phase-loss protection.
882	Regeneration avoidance operation selection	0,1,2	0	882	Regeneration avoidance operation selection	0,1,2	0	◎	
883	Regeneration avoidance operation level	300 to 800V	DC400/780V	883	Regeneration avoidance operation level	300 to 800V	DC400/780V	◎	
885	Regeneration avoidance compensation frequency limit value	0 to 10 Hz, 9999	6 Hz	885	Regeneration avoidance compensation frequency limit value	0 to 45 Hz, 9999	6 Hz	◎	
886	Regeneration avoidance voltage gain	0 to 200%	100%	886	Regeneration avoidance voltage gain	0 to 200%	100%	◎	
888	Free parameter 1	0 to 9999	9999	888	Free parameter 1	0 to 9999	9999	◎	
889	Free parameter 2	0 to 9999	9999	889	Free parameter 2	0 to 9999	9999	◎	
891	Cumulative power monitor digit shifted times	0 to 4, 9999	9999	891	Cumulative power monitor digit shifted times	0 to 4, 9999	9999	◎	

FREQROL-D700 parameter list				FREQROL-D800 compatible parameter				Parameter setting	
Pr.	Name	Setting range	Initial value	Pr.	Name	Setting range	Initial value	Setting	Remarks
C0 (900)	FM terminal calibration	—	—					×	There is no FM terminal.
				C1 (901)	Am terminal calibration	—	—	△	Calibrate the parameter as required.
C2 (902)	Terminal 2 frequency setting bias frequency	0 to 400 Hz	0 Hz	C2 (902)	Terminal 2 frequency setting bias frequency	0 to 590 Hz	0 Hz	◎	Calibrate the parameter as required.
C3 (902)	Terminal 2 frequency setting bias	0 to 300%	0%	C3 (902)	Terminal 2 frequency setting bias	0 to 300%	0%	◎	Calibrate the parameter as required.
125 (903)	Terminal 2 frequency setting gain frequency	0 to 400 Hz	60Hz	125 (903)	Terminal 2 frequency setting gain frequency	0 to 590 Hz	60 Hz	◎	Calibrate the parameter as required.
C4 (903)	Terminal 2 frequency setting gain	0 to 300%	100%	C4 (903)	Terminal 2 frequency setting gain	0 to 300%	100%	◎	Calibrate the parameter as required.
C5 (904)	Terminal 4 frequency setting bias frequency	0 to 400 Hz	0Hz	C5 (904)	Terminal 4 frequency setting bias frequency	0 to 590 Hz	0 Hz	◎	Calibrate the parameter as required.
C6 (904)	Terminal 4 frequency setting bias	0 to 300%	20%	C6 (904)	Terminal 4 frequency setting bias	0 to 300%	20%	◎	Calibrate the parameter as required.
126 (905)	Terminal 4 frequency setting gain frequency	0 to 400 Hz	60Hz	126 (905)	Terminal 4 frequency setting gain frequency	0 to 590 Hz	60 Hz	◎	Calibrate the parameter as required.
C7 (905)	Terminal 4 frequency setting gain	0 to 300%	100%	C7 (905)	Terminal 4 frequency setting gain	0 to 300%	100%	◎	Calibrate the parameter as required.
C22 (922)	Frequency setting voltage bias frequency (built-in potentiometer)	0 to 400 Hz	0Hz					×	Operation panel for the FR-E500 (FR-PA02) cannot be used
C23 (922)	Frequency setting voltage bias (built-in potentiometer)	0 to 300%	0%						
C24 (923)	Frequency setting voltage gain frequency (built-in potentiometer)	0 to 400 Hz	60 Hz						
C25 (923)	Frequency setting voltage gain (built-in potentiometer)	0 to 300%	100%						
990	PU buzzer control	0,1	1	990	PU buzzer control	0,1	1	◎	For the LCD operation panel and parameter unit
991	PU contrast adjustment	0 to 63	58	991	PU contrast adjustment	0 to 63	58	◎	

4. Option

If options were used with the FREQROL-D700 series, replacing it with the FREQROL-D800 series will result in the following changes.

Item		Option model	
		FREQROL-D700	FREQROL-D800
Stand-alone	Parameter Unit	FR-PU07	Compatible
	Enclosure surface operation panel	FR-PA07	Compatible
	Parameter unit connection cable	FR-CB20□	Compatible
	DIN rail attachment	FR-UDA01-03	FR-UDA01-02 For details, please refer to the instruction manual.
	Panel through attachment	FR-E7CN□	To be supported for certain capacities.
	Brake resistor	MRS□□、MYS□□	Compatible
		FR-ABR	Compatible
	Brake unit	FR-BU2	Compatible
	Discharging resistor	FR-BR, GZG, GRZG	Compatible
	Power factor improving AC reactor	FR-HAL	Compatible
	Power factor improving DC reactor	FR-HEL	Compatible
	Radio noise filter	FR-BIF-(H)	Compatible
	Line noise filter	FR-BSF01, FR-BLF	Compatible
	Filterpack	FR-BFP2	Can be reused. However, existing products may not be mountable on the rear depending on the installation dimensions. For details, refer to the instruction manual. If necessary, use a model compatible with the D800
	EMC Directive compliant noise filter	SF, FR-E5NF, FR-S5NFSA	FN3288 Please refer to the catalog for details.
	EMC filter installation attachment	FR-A5AT03, FR-AAT02, FR-E5T	
	FR-CV power regeneration common converter	FR-CV	Compatible If replacing the converter, use FR-XC.
	Dedicated stand-alone reactor	FR-CVL	Compatible If replacing the converter, use FR-XCL.
	FR-HC high power factor converter	FR-HC2	Compatible
	Surge voltage suppression filter	FR-ASF, BMF	Compatible
Manual controller / speed controller	Manual controller	FR-AX	Compatible If replacing the option, prepare the same model. [*1]
	DC tach. follower	FR-AL	Compatible If replacing the option, prepare the same model. [*1]
	Three speed selector	FR-AT	Compatible If replacing the option, prepare the same model.
	Remote speed setter	FR-FK	Compatible If replacing the option, prepare the same model.
	Ratio setter	FR-FH	Compatible If replacing the option, prepare the same model.
	Speed detector	FR-FP	Compatible If replacing the option, prepare the same model.
	Master controller	FR-FG	Compatible If replacing the option, prepare the same model.
	Soft starter	FR-FC	Compatible If replacing the option, prepare the same model.
	Deviation detector	FR-FD	Compatible If replacing the option, prepare the same model.
	Preamplifier	FR-FA	Compatible If replacing the option, prepare the same model.

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Item		Option model	
		FREQROL-D700	**FREQROL-D800**
Others	Pilot generator	QVAH-10	Compatible
	Deviation sensor	YVGC-500W-NS	Compatible
	Frequency setting potentiometer	WA2W 1kΩ	Compatible
	Analog frequency meter	YM206NRI 1mA	Compatible [1]
	Calibration resistor	RV24YN 10kΩ	Compatible
	Inverter setup software	FR-SW3-SETUP-WJ	Not compatible. Use SW1DND-FRC2.

[1] Please refer to Technical News MF-S-200 for details.

REVISIONS

Revision date	Version	Revision
Jan 2025	∗	First edition

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