

Firmware Upgrade and Change of the Instruction Manual for the General-Purpose Inverter Option FR-XC Series

Thank you for your continued patronage of Mitsubishi Electric drive control products.
The firmware of the general-purpose inverter option FR-XC series will be upgraded and the Instruction Manual will be changed.

1. Products Affected

FR-XC series

2. Details of Change

(1) Change of the parameter specifications

The setting range and the operation at the initial setting of parameters will be changed as shown in the following table.

These parameters are used to set the delay for the magnetic contactor (MC) to be turned ON/OFF after the start/stop command is input.

These parameters are dedicated to the FR-XC-H75K or higher.

Pr.	Name	Initial value	Setting range	Change
455	MC-ON delay time	9999	1 to 9900 ms	The setting range will be changed as follows. <Before> 1 to 4000 ms <After> 1 to 9900 ms
			9999	The delay when "9999" is set will be changed as follows. <Before> FR-XC-H75K: 60 ms <After> FR-XC-H75K: 100 ms
456	MC-OFF delay time	9999	1 to 9900 ms	The setting range will be changed as follows. <Before> 1 to 4000 ms <After> 1 to 9900 ms
			9999	The delay when "9999" is set will be changed as follows. <Before> FR-XC-H75K: 150 ms <After> FR-XC-H75K: 180 ms

(2) Specification change of the Instruction Manual

Conventionally, the instructions for all capacities were described in one manual. To improve the clarity, the manual will be divided according to the capacity range (the FR-XC-(H)55K or lower and the FR-XC-H75K or higher).

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(3) Change of the connection mode names

The connection mode names will be changed as follows.

Before	After
Common bus regeneration mode with harmonic suppression disabled	Common bus regeneration mode
Common bus regeneration mode with harmonic suppression enabled	Harmonic suppression mode

3. Date of Change

The change will be applied to the products manufactured in May 2023 or later.

4. Product Identification

The SERIAL (determined by date of production) can be checked on the rating plate or packaging plate.

SERIAL example on rating plate
 □ 3 5 ○○○○○○
Symbol Year Month Control number

SERIAL

SERIAL example on packaging plate
 □ 3 5 ○○○
Symbol Year Month Control number

SERIAL

The SERIAL consists of one symbol, two characters indicating the production year and month, and the control number (six characters for the rating plate, three characters for the packaging plate).

The last digit of the production year is indicated as the Year, and the Month is indicated by 1 to 9, X (October), Y (November), or Z (December).