Mitsubishi Servo System Controller

Sales and Service

Production Discontinuation of Simple Motion Module LD77MH4/LD77MH16

Thank you for your continued patronage of the Mitsubishi servo system controller and FA products. For the MELSEC-L series Simple Motion module LD77MH (LD77MH4/LD77MH16), which has been used for many years, we have started selling the successor model LD77MS since the last day of April 2013. LD77MS is compatible with the peripheral S/W, and projects and sequence programs created by customers which are used for the conventional model LD77MH. Accordingly, we will discontinue production of the conventional LD77MH. We ask for your understanding in this matter.

1. Production Discontinuation Models

LD77MH4, LD77MH16

2. Replacement Models

LD77MS4, LD77MS16

3. Production Discontinuation

The final production: the last day of September 2015.

4. Difference between LD77MH and LD77MS

		Conventional model	Replacement model	
Aodel		LD77MH	LD77MS	
Dimensions	Width	45.0 mm		
	Depth	95.0 mm		
	Height	90.0 mm		
Current consumption		LD77MH4/LD77MS4: 0.55 [A], LD77MH16/LD77MS16: 0.70 [A]		
Compatible servo system network		SSCNET III (50 Mbps)	SSCNET III (50 Mbps) SSCNET III/H (150 Mbps)	
CF/UL/KC		Conformed		

Table 1. Difference between LD77MH and LD77MS

Note. The projects created by customers can be converted using the peripheral S/W for easy migration. (Refer to 7. Method for Project Migration from LD77MH to LD77MS.)

5. Spare Parts Supply

We will supply only LD77MS4 and LD77MS16 parts as spare parts.

6. Repair Schedule

The repair will be accepted until the last day of September 2022 (for seven years after the production discontinuation).

issue 2014 Motion Module LD77MH4/LD77MH16 5-1-14 Yada-minami, F Tel.: +81 (52) 721-211	ric Corp., Nagoya Works i, Higashi-ku, Nagoya 461-867 111 Main line
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7. Method for Project Migration from LD77MH to LD77MS

The followings are the steps for project migration with the Simple Motion setting tool.

- (1) Open the LD77MH project.
- (2) Select the LD77MH project on the project window and select "Change Type" from the shortcut menu.



(3) The change type window appears.

0010)h:LD77MH4 -	Change Type			X
-M	odule Selection – <u>M</u> odule Type	Simple Motion Module		v	
	M <u>o</u> dule Name	LD77MH4	V		
-M S	ount Position	ddress 0010 (H) 2	2 Modules Occupy [32 po	pints]	
TT-	tle Setting Title				
				ОК	Cancel

(4) Select LD77MS for "Module Name" on the change type window, then click the "OK" button.

0010h:LD77MH4 ·	Change Type		
Module Selection -	Simple Motion Module		
Module Name	LD77MS4		
Mount Position Specify Start XY Address 0010 (H) 2 Modules Occupy [32 points]			
Title Setting			
	OK Cancel		

(5) Then, on the change type (SSCNET setting) window, select an item for "SSCNET Setting" depending on the servo amplifier after change and click the "Execute" button.

Change Type (SSCNET Setting)				
Select SSCNET communication type for the changed module. Selection of the SSCNET Communication Type				
Old	Old New			
Module Name	Module Name	SSCNET Setting		
0010:LD77MH4	0010:LD77MS4	SSCNET III	•	
-Please check the data on each screen after the change. (System Setting/Parameter/Servo Parameter)				
- Positioning Dat when 16 axes m	- Positioning Data/Block Start Data will be deleted when 16 axes module has been changed to the others.			
For details, refe	to the help.			
E	kecute Ca	incel		

- (6) Save the LD77MS project after change.
- (7) Save the auto refresh setting on the GX Works2 screen.

MELSOFT Series GX Works2 (Untitled Project) - [0010:LD77MH4[]-Auto_Refresh]					
<u>Project</u> <u>E</u> dit <u>F</u> ind/Replace	<u>C</u> ompile <u>V</u> iew <u>O</u> nline De <u>b</u> ug	<u>D</u> iagnostics <u>T</u> ool <u>W</u> i	ndow <u>H</u> elp		
i 🗅 🖻 💾 🎒 🕘	- 💽 🔁 🖧 🖻 🔁 💌 🖤	N 🖓 🖓 💶 🖉	5	「 「 「 」	
🔁 🗉 🖾 📽 📽 😵 🔹 🔹 🔹 🔹 🔹					
Navigation 📮 🗙	10010:LD77MH4[]-Auto_Ret	×			
Project					
Remote Password	Item	Axis #1	Axis #2		
Intelligent Function Mc	📮 Transfer to CPU	The data of the buffer memory is transmitted to the			
	Current feed value	D100	D110	D1	
E [1] 0010:LD//MH4	Machine feed value	D102	D112	DI	
🖓 Simple Motion I	Feedrate	D104	D114	DI	
Auto_Refresh	Axis error number	D106	D116	DI	
Global Device Commer	Axis warning No.	D107	D117	D	
E Program Setting	Valid M code	D108	D118	DI	
	Axis operation status	D109	D119	DI	

- (8) On the list of the GX Works2 intelligent function modules, delete the LD77MH module and add the LD77MS module.
- (9) Return the auto refresh content back to the content of LD77MH.

The process is completed.