

June 17, 2024

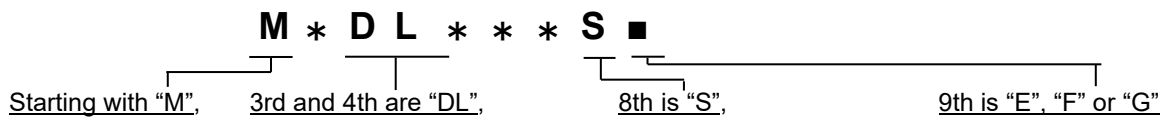
Industrial Device Business Division,
Panasonic Industry Co., Ltd.

**Software Update (Ver.1.16) Notice
for AC Servo Driver (MINAS A6SE/A6SF/A6SG Series)**

Thank you for your daily support and efforts to our business.
As described below, we will update the software version for MINAS A6SE, A6SF and A6SG Series.
We would appreciate your understanding and cooperation with this matter.

- Affected Models: Servo drivers of all MINAS A6SE, A6SF and A6SG Series

Part number



- Change schedule: Starting from July 2024 production lot onwards.
- Description of the Change and Reason:
The software version will be updated from Ver1.15 to Ver1.16 for functionality improvement purposes.

No.	Function	Ver1.15	→	Ver1.16
1	Supports homing function when using an absolute encoder in absolute mode <Pr0.15=0,2>	Not supported <Pr7.120> Unused <Pr7.121> Unused <Pr60.48> "Block operation method setting" bit3 is not used		Available <Pr7.120> "Absolute scale offset 1" <Pr7.121> "Absolute scale offset 2" <Pr60.48> "Block operation method setting" bit3 "Absolute mode homing function select" 0: Disabled 1: Enabled
2	Block parameters can be set on the front panel	Not supported		The front panel can be used to change the block parameters "Classification" 56~60

[Details of the changes]

No.1) Added homing function to absolute mode <Pr0.15> "0" or "2" setting.

·Homing is now possible when the absolute mode <Pr0.15> is set to "0" or "2", the block operation function <Pr6.28> is set to 1, 2, 4, and the absolute mode homing function is selected <Pr60.48> bit3=1.

When homing in absolute mode is executed, the setting values of absolute scale offset 1 <Pr7.120> and absolute scale offset 2 <Pr7.121> are automatically set.

Category	No.	Parameter name	Setting range	Function
0	15	Absolute encoder setting	0 to 4	Sets the method of absolute encoder use. 0: Used as absolute system (absolute mode). 1: Used as incremental system (incremental mode). 2: Used as absolute system (absolute mode), but multi rotation counter over is ignored. 3: For manufacturer use. 4: Used in absolute system (Absolute mode) to set the upper limit value of the multi-rotation counter. Ignores multi-rotation counter over.
6	28	Special function selection	0 to 4	Selects between enabling and disabling the block operation function. 0: Block operation disabled (Pulse train enabled) 1: Block operation by Modbus communication enabled (Pulse train disabled) 2: Block operations by input signal enabled (Pulse train disabled) 3: For manufacturer use, 4: Block operations by input signal enabled (Pulse train enabled)

No. 2) Function added setting block parameters using the front panel.

·It is now possible to set "Classification" from 56 to 60 using the buttons on the front panel.

* The driver with frame size V does not have a front panel.

For further information, please refer to the following materials.

- SX-DSV03031: MINAS A6 Series Technical Reference - Functional Specification -
- SX-DSV03042: MINAS A6 Series Technical Reference - Modbus communication and Block operation specification -
- SX-DSV03283: MINAS A6 Series Technical Reference - Functional Specification –
(Frame size V, DC24 / 48 V * Special Order Products (For specific customers))

QTechnical data download page:

https://industry.panasonic.com/global/en/downloads/?tab=manual&series_cd=3886

·The setup support software (PANATERM) compatible with Ver1.16 is Ver. 6.0.10.1 or later.

·If you set the conventional parameter file to the driver, you can use the same functions as before.

■ Method of checking software version:

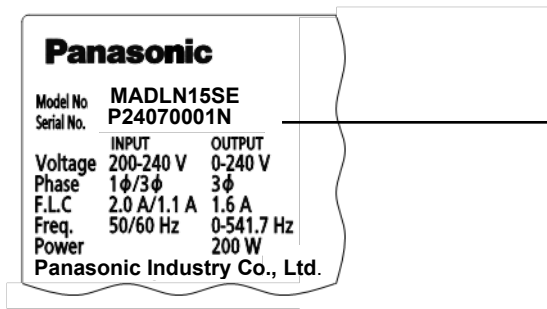
• By software:

The software version can be checked by using the setup support software "PANATERM", or in front panel monitor mode for the A6SE Series, A6SF Series, and A6SG Series.

* The driver with frame size V (DC24 V/48 V) does not have a front panel. Please check with "PANATERM".

• By manufacturing code (serial number)

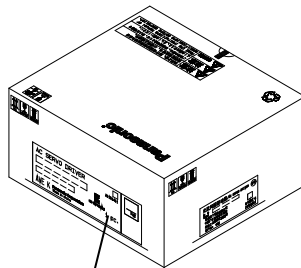
The manufacturing code (serial number) shown on the name plate located on the side of the product conforms to the following rule.



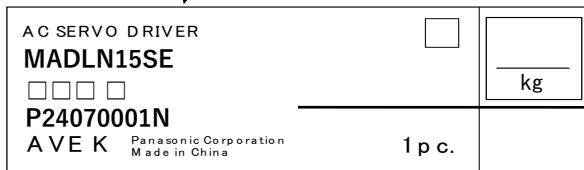
Manufacturing code (Serial number)

Ex. **P24070001N**

P	2	4	0	7	0	0	0	1	N
				Serial number (4 digits)					
				T		T		E	
				Month of manufacturing (2 digits)					
				Year of manufacturing (last 2 digits of the calendar year)		} Check the year and month of manufacturing.			



Number is not included on this label.



Manufacturing code (Serial number)

Ex. **P24070001N**

P	2	4	0	7	0	0	0	1	N
				Serial number (4 digits)					
				T		T		E	
				Month of manufacturing (2 digits)					
				Year of manufacturing (last 2 digits of the calendar year)		} Check the year and month of manufacturing.			

END