

September 5, 2019

Industrial Device Business Division,
Industrial Solutions Company
Panasonic Corporation

Software Upgrade Notice
for AC Servo Driver (MINAS A6NE/A6NF Series)

Thank you for your daily support and efforts to our business.
As described below, we will upgrade the software version for MINAS A6NE and A6NF series.
We would appreciate your understanding and cooperation with this matter.

- Affected Models: Servo drivers of all MINAS A6NE and A6NF series
Part number:

M * D L * * * N *

Starting with M, with DL as the 3rd and 4th characters, N as the 8th character, and E or F as the 9th character from the left.

- Description of the Change and Reason:
The software version will be upgraded from Ver1.24 to Ver1.25 for functionality improvement purposes.

No.	Function	Ver1.24	→	Ver1.25
1	Added "RTEX communication error" to the operation condition of evacuation operation. Addition of operation condition (trigger)	Operation condition (trigger) Signal input, Main power supply OFF		Operation condition (trigger) Signal input, Main power supply OFF RTEX communication error *The trigger remains in place even when encountering RTEX communication error.
	Pr.6.85 "Evacuation operation condition setup"	The shipment value: 0		The system is usable even when setting factory default value : 0.
2	Expansion of position compare function The system's processes will change when altering the enables/disables' switching function.	Choosing to enables/disables the position compare output function requires setting the related parameter Pr4.44 (Position comparison output pulse width setting), Pr4.57 (Position comparison output assignment setting), and reinserting the control power supply.		It is possible to choose and switch between enables/disables function online (with RTEX communication command). *It's not necessary to reinsert the control power supply.
	Pr.6.97 "Function expansion setup 3"	The shipment value: 0		The system is usable even when setting factory default value : 0.

* Refer to the next page for the detail of changed content

[Detail of Changed Content]

No. 1) Added "RTEX communication error" to the operation condition of evacuation operation

The condition setting for escape operation was expanded in the parameter Pr6.85 "Condition setting for escape operation" in addition to bit0-3: start-up condition for retreat operation(I/O), added to bit4-7: start-up condition for retreat operation (communication). Please refer to [] below.

Category	No.	Attri-Bute	Parameter name	Setting range	Unit	Function
6	85	C	Condition setting for escape operation	32768 to 32767	—	Select the Start-up of retreat operation and Judgment condition of stopping. bit3 - 0: Start-up condition for retreat operation (I/O) [bit7 - 4: Start-up condition for retreat operation (communication)] bit9 - 8: Judgment condition for stopping retreat operation bit15 - 10: The case other than 0 is setting failure. Err85.2 or Err87.3 is generated.

No. 2) Expansion of position compare function

The parameters for choosing and switching between enables/disables position compare function only (reinserting control power supply is not required) is added to the bit10 of Pr6.97 "function expansion setting 3."

Category	No.	Attri-Bute	Parameter name	Setting range	Unit	Function
6	97	B	Function expansion setup 3	-2147483648 to 2147483647	—	bit0: Enables/disables quadrant projection compensation function extended. 0: disabled, 1: enabled

*) During full-closed control, absolute encoder is handled as incremental system (setting value = 1) in the internal control.

■ Reference material

- MINAS A6N Series Technical Reference - Functional Specification – RTEX Download page
https://www3.panasonic.biz/ac/e/dl/manual/index.jsp?series_cd=3555

- Setup support software (PANATERM) for Ver1.25 will be available from Ver.6.0.1.17 onward.
- Previously offered functions can be used by setting up the previous parameter file for the driver.

- Timing: The change will be made from the production lot in Jul 2019.
- Method of checking:
 - Method involving checking the software version
The software version can be checked by using the setup support software (PANATERM), or by checking from the RTEX communication command.
 - Method of checking the year and month of manufacturing from the 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.

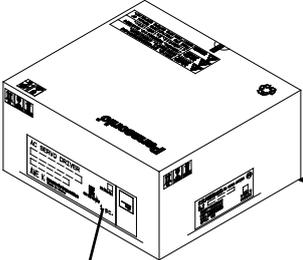
Panasonic	
Model No.	MADLN15NE
Serial No.	P19070001N
	INPUT OUTPUT
Voltage	200-240 V 0-240 V
Phase	1φ/3φ 3φ
F.L.C	2.0 A/1.1 A 1.6 A
Freq.	50/60 Hz 0-541.7 Hz
Power	200 W
Panasonic Corporation 2018	

Manufacturing code (Serial number)
Ex. **P19070001N**

				Serial number (4 digits)
				Month of manufacturing (2 digits)
				Year of manufacturing (last 2 digits of the calendar year)

} Check the year and month of manufacturing.

The manufacturing code (serial number) shown on the label attached to the front surface of the package box follows the following rule.



Number is not included in this label.

A C SERVO DRIVER	□	
M A D L N 1 5 N E	20180501	kg
P19070001N		
A V E K Panasonic Corporation Made in China	1 p c.	

Manufacturing code (Serial number)
Ex. **P19070001N**

				Serial number (4 digits)
				Month of manufacturing (2 digits)
				Year of manufacturing (last 2 digits of the calendar year)

} Check the year and month of manufacturing.