Technical Announcement

Delta Electronics, Inc. IABG

Product	ASDA-A3	Applicable Model	A3-M A3-L A3-F	Security Classification	☑ Unclassified ☐ Confidential ☐ Highly confidential
				ECN No.	126A-18B025
Issued by	ASD	Author	Chloe Chen	Issue No.	ASD19041000
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Recipient	Sales Representative (Taiwan), Product Manager (Taiwan), DGC, DEU, DPR, DES, DEK, DEJ, and DIN				

Subject:

[Version information] Release information about the upgraded firmware for ASDA-A3 220V series products.
➢ Firmware version for A3-M models is now upgraded to V10408 sub67.
➢ Firmware version for A3-L models is now upgraded to V10438 sub67.
➢ Firmware version for A3-F models is now upgraded to V10478 sub67.

Note:

1. Firmware release time
   1.1 Week of production for Taoyuan factory: T1910
   1.2 Week of production for Wujiang factory: W1905

Description:

1. Add alarm AL010. The description is as follows:

AL010 Voltage error when power is regenerated	
Trigger condition and cause	Condition: the power is regenerated, but the regeneration voltage remains at 400V for a period of time. Cause: 1. You selected a wrong regenerative resistor or the external regenerative resistor is not connected. 2. P1.053 (regenerative resistor capacity) is not set to 0 when the regenerative resistor is not connected.
Checking method and corrective action	1. Check the connection for the regenerative resistor, re-calculate the value for the regenerative resistor and reset the values of P1.052 and P1.053. If the issue persists, send your servo drive back to the distributor or contact Delta. 2. Set P1.053 to 0 if not using a regenerative resistor.
How to clear the alarm?	DI.ARST

2. Add alarm AL02B. The description is as follows:

AL02B Motor data error	
Trigger condition and cause	Internal data access error of the motor.
Checking method and corrective action	If the issue persists, send your motor back to the distributor or contact Delta.
How to clear the alarm?	N/A

3. Change the default value of P2.065 from 0x0000 to 0x0100; the motor power wiring detection is enabled by default.

P2.065	Special bit register		Address: 0282H 0283H	
Default:	0x0100	Control mode:	PT / PR / S / Sz	
Unit:	-	Setting range:	0 - 0xFFFF	
Format:	HEX	Data size:	-	

Bit 8: U, V, W wiring error detection function.
    0: disable the U, V, W wiring error detection function.
    1: enable the U, V, W wiring error detection function.

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