Dear Customers,

August 2025

MARKTEC Corporation

Quality Assurance Dept.

Notice of Specification Change of Marking Driver Board "PD08-A"

Thank you very much for your continued business. We would like to inform you that we have changed the specifications of the Marking driver board "PD08-A" used in our Marking equipment.

Sincerely yours,

Note

1. Target Products
   ・Marking driver board for Marking Machine
     - Marking Machine   TP-1000, TP-2000, TP-3000 series
   ・Marking driver unit for Marking Machine
     - Custom Marking Machine

2. Reason for change
   The components (FETs) used in the Marking driver board have been discontinued and have become difficult to obtain, we will change them to replacement parts. At the same time, we will also change the specifications of some switches and the brackets and unit cases accordingly.

3. Changes point

≪Before change ≫   ≪After change≫

PD08-A		PD08-B	
Bracket for TP series	Unit Case for custom Marking Machine	Bracket for TP series	Unit Case for custom Marking Machine

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・Due to the change in the specifications of some switches, the opening dimensions of the red frame area are different.

・Since the dimensions of the upper and lower bolt holes for mounting on the Marking device have not changed, it can be installed as before.

・For changes in performance, please refer to Table 1 "Performance Comparison Table".

4. Applicable date

　The application to our Marking Machine is handled sequentially, including the current orders.

5. Maintenance support

　The Marking driver boards before and after the change are interchangeable, so you can use a mix of PD08-A and PD08-B.
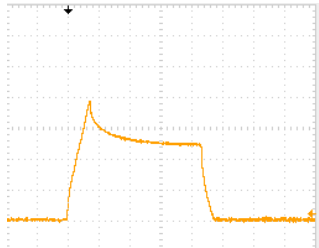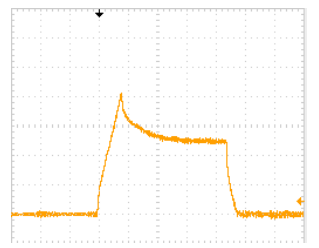
　However, the bracket for mounting on the TP series is not compatible, so please replace it with a dedicated bracket for PD08-B when updating.

6. Others

　If you have any questions or concerns, please contact our sales representative.

Table 1：Performance comparison

Item		Detail	
Model		PD08-A	PD08-B
Maker		MARKTEC Corporation	MARKTEC Corporation
Drive power supply	Startup	DC24V	DC24V
	Hold	7.5V DC or 12V DC	7.5V DC or 12V DC
Control power supply		DC24V	DC24V
Controller I/F	Connection method	Connector Connection	Connector Connection
	Input Signal	Dot Output Instruction: 8 Abnormal reset: 1	Dot Output Instruction: 8 Abnormal reset: 1
	Output signal	Overcurrent Detection: 1 Open Circuit Detection: 1 FET abnormality: 1	Overcurrent Detection: 1 Open Circuit Detection: 1 FET abnormality: 1
Switch		Abnormal reset: 1 **Startup pulse selection: 1** Output/Abnormal Monitor Switching: 1 Abnormal output display selection: 1 Activation pulse width selection: 1	Abnormal reset: 1 **Operating mode selection: 1** Output/Abnormal Monitor Switching: 1 Abnormal output display selection: 1 Activation pulse width selection: 1

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Monitor Functions	Dot input: 8 Overcurrent Detection: 1 Open Circuit Detection: 1 FET abnormality: 1 Output Monitor: 8 (The output monitor displays "Dot output monitor," "Overcurrent Detection," "Open Circuit Detection," and "FET abnormality" through a combination of monitor switching and abnormal output display selection.)	Dot input: 8 Overcurrent Detection: 1 Open Circuit Detection: 1 FET abnormality: 1 Output Monitor: 8 (The output monitor displays "Dot output monitor," "Overcurrent Detection," "Open Circuit Detection," and "FET abnormality" through a combination of monitor switching and abnormal output display selection.)
item		substance
Terminal block size	Drive power supply	M4	M4
	Control power supply	M3.5	M3.5
Connector Specification	Command Input	XG4A-1039-A(OMRON)	XG4A-1039-A(OMRON)
	Error output	XG4A-1039-A(OMRON)	XG4A-1039-A(OMRON)
	Driver Output	178307-2(AMP)	178307-2(AMP)
Body size (with case)		60W×340H×165D (H includes mounting bracket)	60W×340H×165D (H includes mounting bracket)
Output waveform			
Remarks		When updating from PD08-A to PD08-B, check the SW4 (Startup Pulse Selection) setting of PD08-A and set the SW2 (Operating Mode Selection) of PD08-B to achieve the corresponding operating mode. (Please refer to the instruction manual for details.)	

[Supplementary Explanation]

  PD08-A was designed to set up the device by selecting a switch with or without a start-up pulse and software rewriting, but PD08-B can be changed only by selecting the operation mode selection switch. (Please refer to the bold part of the switch column)

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