Released

WOODWARD

Product Change Notification **07033**
(Rev B 08/2026)

2300E/2301E Product Family Microprocessor and GAP Coder Update

Product Change/Improvement

Starting October 2026, the 2300E/2301E product families will contain a replacement microprocessor chip due to obsolescence of the current microprocessor. The new microprocessor is a form-and-fit replacement. However, this hardware change will require **ALL software applications to be rebuilt** using Woodward's 9927-2342 Rev A 2301E GAP Coder.

Description

The new microprocessor is a form-and-fit replacement for the current microprocessor but introduces a single functional incompatibility that requires software changes.

Forward and Backwards Compatibility – 2300E Variants:

- Controls containing the new microprocessor will **ONLY** function with application software rebuilt using the updated 9927-2342 Rev A 2301E GAP Coder.
- Rebuilt application software is compatible with both microprocessor variants current and new. However, when run on the current microprocessor, it retains all functions except one*.

Forward and Backwards Compatibility – Factory-Loaded Controls/2301E Variants:

- No customer action is required. Application software loaded on these controls from the factory will be rebuilt by Woodward to ensure compatibility with the new microprocessor prior to shipment. This software is not field alterable.

Note: Controls containing the new microprocessor will not function with existing (non-rebuilt) application software. Compatibility is maintained at shipment through the use of rebuilt application software.

*The LN_TC block will output mV instead of V when UNITS is set to mV. This correction is only applicable to 2300E when using the Thermocouple LINKnet module.

Product Changes

- Woodward will inactivate existing 2300E hardware-only controls. These will be replaced with like controls that contain the new microprocessor. Customers may opt for a limited Last Time Buy of the specified 2300E hardware-only controls at Woodward's sole discretion.
- Woodward will advance the revisions of select 2300E/2301E controls and their associated application software part numbers.
- Contact Woodward for compliance listings.

Affected Units/Replacement Products

- **2300E Hardware-Only Controls:**

The following hardware-only controls will be inactivated and replaced with like controls for new customer applications. These new controls will be available starting October 2026.

Existing PN & Revision	Description	Replacement PN & Revision
8273-1017 Rev B	2300E HW Only, Ordinary Location	8273-2017 Rev A
8273-1018 Rev B	2300E HW Only, Hazardous Location	8273-2018 Rev A

- **Custom 2300E Controls made from Hardware-Only Controls (8273-1017 and 8273-1018):**

All custom controls containing the existing 2300E hardware-only controls will be inactivated. These items may be reactivated at Woodward's sole discretion. Reactivated custom controls will incorporate the updated hardware-only controls, and their associated application software will be rebuilt and released at updated revisions.

PNs and Revisions to be Inactivated:

8237-1668 Rev B	8273-1026 Rev "-"	C230004SS Rev C
8237-2266 Rev "-"	8273-1028 Rev B	C230005SS Rev A
8262-3103 Rev NEW	8273-1040 Rev A	C230006SS Rev B
8273-1020 Rev A	C230002SS Rev A	C230007SS Rev A
8273-1023 Rev A	C230003SS Rev A	

- **Standard and Purpose-Built Controls (2301E/2300E Platforms) and Associated Application Software**:

The following controls and their associated application software will have their revisions advanced to reflect compatibility with the new microprocessor and Coder. For these controls, the microprocessor update does not require any action from customers. All updated controls will ship from the factory with rebuilt, compatible application software.

Control PN	Current Rev	New Rev (Requires New Coder Revision)
8273-1011	J	K
8273-1012	J	K
8273-1013	A	B
8273-1014	A	B
8273-1019	D	E
8273-1029	B	C
8273-1030	B	C
8280-1166	F	G
8237-2046	D	E

- **Service Tools**

The following service tools will have their revisions advanced to ensure compatibility with the updated controls and Coder. Note: These revised service tools are not fully backwards compatible with the current microprocessor.

Service Tool PN	Current Rev	New Rev (Requires New Coder Revision)
8928-1303	D	E
8928-1315	A	B
5418-5388.TKI	B	C

Product Support and Transition Timeline

- **Last Time Buy (LTB):**
  - The Last Time Buy date for 8273-1017 and 8273-1018 hardware-only controls is October 31, 2026. After this date, Woodward will no longer accept orders for these part numbers. Customers requiring the current hardware should place orders as early as possible to ensure availability.
- **2300E Hardware-Only Part Number Inactivation Date:**
  - 2300E hardware-only part numbers 8273-1017 and 8273-1018, as well as custom controls containing these items, will be inactivated November 1, 2026.
- **Factory Transition:**
  - Production of 2301E controls will begin transitioning to the new microprocessor starting October 2026. During this period, Woodward may continue limited builds using the current microprocessor while inventory lasts.
- **Customer Transition:**
  - Customers are encouraged to rebuild and test their application software using the updated 9927-2342 Rev A 2301E GAP Coder as soon as possible. This will ensure compatibility with controls containing the new microprocessor.

Woodward will continue to fully support the products while under their original factory warranties and while stock of current microprocessors lasts.

Customer Action

2301E controls shipped from Woodward will continue to include factory-loaded application software. When the new microprocessor is introduced, the factory-loaded software will already be rebuilt using the updated 9927-2342 Rev A GAP Coder. Therefore, no action is required from customers using standard 2301E controls, and the microprocessor update will not impact normal operation.

1. **Rebuild Application Software:**
   - Customers loading custom applications on 2300E hardware-only controls are required to rebuild their applications using Woodward's 9927-2342 Rev A 2301E GAP Coder if migrating to new hardware. Customers can access the new Coder on Woodward's website or by contacting their local Woodward representative. See application note 51660 for details and rebuild instructions.

- Applications rebuilt using the new Coder will function regardless of the microprocessor contained in the control. See Coder release notes for full list of changes that are included with this update.

2. **Access Updated Coder:**
   - The 9927-2342 Rev A 2301E GAP Coder will be available via Woodward's website following formal release. Prior to public availability, customers may obtain the updated Coder by contacting their local Woodward representative.
3. **Testing and Validation:**
   - Customers are advised to rebuild and test their applications with the new controls and microprocessor as early as possible to avoid disruptions.
4. **Limited Last Time Buy Opportunity:**
   - Customers unable to rebuild their applications may contact their local Woodward representative for Last Time Buy opportunities prior to October 31, 2026.
5. **Order New 2300E Hardware-Only Controls:**
   - Orders are accepted in Woodward's system starting July 2026. Shipments will begin in October. Consult your Woodward representative.

Note – Component obsolescence from electronics manufacturers can present a challenge to post-life support plans. Woodward strives to hold inventory or look for alternative parts when the components we use are no longer available. However, there are times when components simply cannot be obtained and where sufficient last-time buys cannot be made. Unfortunately, in these cases Woodward cannot guarantee the product support plan.

Revision History

Changes in Revision B—

- Advanced control revision letters for Boot Code update which does not impact Form, Fit, or Function

Revisions—A bold, black line alongside the text identifies changes in this publication since the last revision.

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