



UDC2800 Universal Digital Controller
Release 110.2.02

Software Change Notice

UDDOC-X700-en-1102B
February 2023
Release 110.2.02

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CONTENTS

Chapter 1 - About this document	5
Revision history	5
Chapter 2 - Introduction	6
Check for updates on the Honeywell Process Solutions website	6
Who must read this document?	8
Chapter 3 - Contents of this release	9
Contents of firmware package	10
Contents of documentation set	10
Chapter 4 - Getting started	11
Chapter 5 - New Features and Enhancements	12
Chapter 6 - System Requirement	20
Chapter 7 - Known Issues	21
Chapter 8 - Problems resolved	27
Chapter 9 - Documentation updates	29
Notices	30

ABOUT THIS DOCUMENT

This Software Change Notice contains information for all the users of UDC2800 R110. This SCN must be read prior to installing and managing the system. The document describes the new features and enhancements introduced with the R110. Additionally, it contains known issues, special considerations, and last minute documentation updates.

ATTENTION: UDC2800 Release 110.2.02 Software Change Notice reflects only Product Anomaly Reports (PARs) with priority medium and above, which will impact normal operations.

Revision history

Version	Date	Description
A	June 2022	Initial release of the document.
B	February 2023	<ul style="list-style-type: none"> • TC1 and TC2 fail and burnout limits are updated. • Input fail/burnout limit is updated for TC/RTD. • Improved firmware upgrade speed.
C	February 2023	<ul style="list-style-type: none"> • Added Configurable background theme. (Default theme: White background) • Resolved: UDC2800 lockup issue. • Deviation Alarm inout range changed to 0 to 9999. • RTD with long wires failure issue fixed.

INTRODUCTION

UDC2800 is a microprocessor-based stand-alone controller. It combines a high degree of functionality and operating simplicity in a 1/4 DIN size controller. This instrument is an ideal controller for regulating temperature and other process variables in numerous heating and cooling applications.

UDC2800 monitors and controls temperatures and other variables in applications for industrial process control.

For a complete list of new features and enhancements in R110, New Features and Enhancements

Check for updates on the Honeywell Process Solutions website

The Honeywell Process Solutions website, <https://process.honeywell.com> contains the most up-to-date software updates, documentation, and recommended anti-virus updates. You can find the latest version of this SCN on Honeywell Process Solutions website.

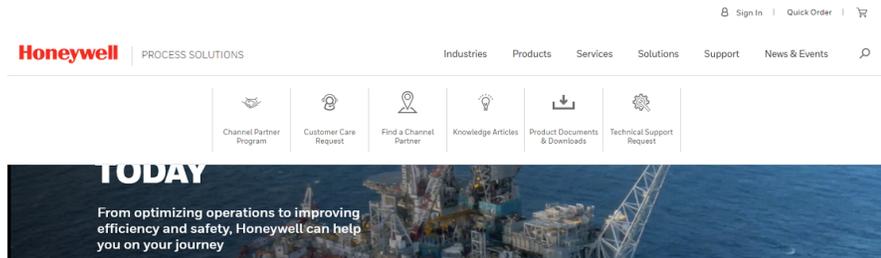
To access the Honeywell Process Solutions website:

1. In a web browser, type the following URL.
<https://process.honeywell.com>.
2. Click **Sign In** in the top-right corner of the page. Sign In options appear.
 - If you are a new user, create a new account at this website. Click **Create an Account**, and follow the on-screen instructions.
 - If you are an existing user, Click **SIGN IN TO MYHPS** and type your **user name** and **password**, and then click **SIGN IN**.

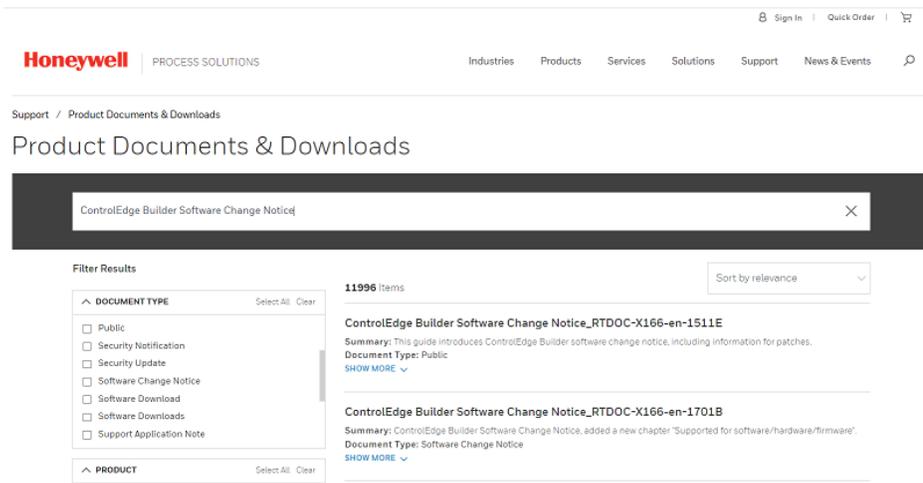
After successful sign in, your account name appears in the top-right of the page.

To download documents, security updates, or anti-virus notifications

1. Click **Support**>**Product Documents & Downloads** as shown in the following image.



2. The **Product Documents & Downloads** page appears.
3. In the **Search** box, enter the name of the required document, security update, or antivirus notification. For example, to download an SCN, enter **ControlEdge Builder Software Change Notice** in the **Search** box.
4. Click **Search**. The search results page appears with all the search results.



5. In the left pane, use the **Search Result Filters** to further filter the document, security update, or antivirus notification. For example, if you are locating a Software Change Notice.
 - a. Under **DOCUMENT TYPE**, click **Software Change Notice**.
 - b. Under **PRODUCT**, click the required product release.

- c. Under **RELEASE DATE RANGE**, click the required release date range.
6. Click the document, security update, or antivirus notification link to open it.

Who must read this document?

The information in this SCN is useful if you are planning to install, upgrade or configure UDC2800. Use this document to understand the overall product, release interoperabilities, system dependencies, problem resolutions, known issues, and special considerations. This SCN must be readily available for reference at any stage of using UDC2800.

CONTENTS OF THIS RELEASE

In this section:

Contents of firmware package 10

Contents of documentation set 10

Contents of firmware package

The latest firmwares are listed as follows:

Description of Firmware Item	Model Number	Version Number
UDC 2800 Universal Digital Controller	UDC 2800	v1.29.12

Contents of documentation set

UDC2800 user documentation is available on the Honeywell Process Solutions website (<http://www.honeywellprocess.com>) and the UDC2800 software media kit. The Honeywell Process Solutions website contains the latest user documentation. To ensure that you are accessing the latest documentation, use the Honeywell Process Solutions website.

The following table lists the related user documentation.

Document Name	Document ID
UDC2800 Product Manual	51-52-25-157
UDC2800 Quick Start Guide	51-52-25-158
UDC2800 Software Change Notice	UDDOC-X700-en-1102B

GETTING STARTED

It is recommended that you read the following documentation before you start:

- *UDC2800 Software Change Notice* (this document): provides:
 - Information about important functions in the release.
 - Information on the known issues and current release software components version.
 - Special considerations for installation and last-minute documentation updates.
- *UDC2800 Product Manual*: provides instructions for configuring UDC2800.

NEW FEATURES AND ENHANCEMENTS

Key highlights of UDC2800 Release 100.1:

- Up to 2 Universal Analog Inputs
 - The controller has two analog inputs with a typical accuracy of $\pm 0.15\%$ of full-scale input and a typical resolution of 16 bits. Both analog inputs are sampled ten times per second (every 100 ms).
 - The first, or Process Variable input, can be one of the various thermocouple, RTD, or linear actuations. Linear actuations have thermocouple, RTD characterization capability as a standard feature. Linear actuations also have square root capability. The optional second input is isolated and accepts the same actuations as input one.
 - All actuations and characterizations are keyboard configurable. Cold junction compensation is provided for thermocouple type inputs. Upscale, downscale or failsafe sensor break protection is keyboard configurable. A configurable digital filter of 0 to 120 seconds provides input signal damping.
 - Thermocouple Health
In addition to the standard configurable upscale, downscale or failsafe output burnout selections, the condition of the thermocouple can be monitored to determine if it is good, failing or in danger of imminent failure.
- Up to five outputs made up of the following output types
 - Current Output (4-20 or 0-20 mA)
 - Electromechanical Relays (5 Amps)
 - Dual Electromechanical Relays (2 Amps)
 - Open Collector Outputs (Transmitter Power)
- Output algorithms
 - Time Simplex
 - Time Duplex
 - Current Simplex

- Current Duplex
- Current Time
- Time Current
- Control algorithms
 - On-Off
 - PID-A
 - PID-B
 - PD with Manual Reset
 - Control mode includes: Manual, Auto with Local Setpoint, Auto with Remote Setpoint
- Up to 2 Digital Inputs

Digital input supports the following actions:

 - Manual control mode
 - Local setpoint 1, 2, 3, 4
 - Direct controller action
 - Hold SP Ramp/Program
 - Select PID set 2, 3
 - PV = Input 2
 - ReRun - SP Ramp/Program
 - Run - SP Ramp/Program
 - External program reset
 - Disable PID integral action
 - Manual mode, failsafe output
 - Disable keyboard
 - Output 1 = Fixed value
 - Start Timer
 - Auto/Manual Station
 - Initiate Tuning
 - Initiate PV Hot Start
 - Output 1 tracks Input 2

- To Remote Setpoint
- PID reset feedback via Input 2
- Purge
- Low Fire
- To Latching Manual Mode
- PV Hold

Each digital input supports a combination action:

- Select PID set 2
- Direct controller action
- Local setpoint 1, 2, 3, 4
- Disable Accutune
- To Run - SP Ramp/Program

■ Math Functions

- A pre-configured algorithm is available for easy implementation
- Weighted Average - Computes the weighted average of a PV or SP for the control algorithm from two inputs
- Feedforward Summer - Uses either input, followed by a Ratio/Bias calculation, summed directly with the computed PID output value to provide a resultant output to the final control element
- Feedforward Multiplier - Uses any input, multiplied by the calculated PID output to provide a resultant output which is sent to the final control element
- Summer/Subtractor - Will add or subtract inputs with the result used as the derived PV
- Multiplier/Divider - Uses the analog inputs to calculate a derived PV. Available with or without Square Root
- Input High/Low Select - Specifies the PV input as the higher or lower of the two inputs

■ Ethernet and Modbus communication

- Modbus RTU through RS485 are supported.
- Modbus TCP/IP through Ethernet TCP/IP are supported.
- Bluetooth configuration on mobile device
Bluetooth application are based on IOS 12.0 platform or above. It is used to monitor controller status as the front panel, or configured its setup by mobile. It also allows users to save configurations and download to the controller.
- Up to 2 Alarm relays with 2 alarm triggers for each alarm relay
 - The alarm type can be selected to be either of the inputs, the Process Variable, Deviation, Output, Shed from communications, PV rate of change, or to alarm on manual mode activation or a Current Output Open failure. It can also be used as an On or Off event at the beginning or end of a Ramp/Soak segment. The alarm hysteresis is configurable from 0 to 100% of range.
 - Alarms can be configured as latching or non-latching.
 - Alarm blocking is also available which allows start up without alarm energized until after it first reaches the operating region.
 - PV rate of change alarm
 - Loop break alarm
 - Timer output reset
 - Diagnostic Alarm
 - Alarm can be delayed for up to 30 seconds to avoid false alarm.
- Auxiliary Output
Either or both of the two current outputs can function as an Auxiliary Output which can be scaled from 0-20 mA or 4-20 mA for 0 to 100% for any range. It can be configured to represent Input 1, Input 2, PV, active Setpoint, Local SP1, Deviation or the Control Output.
- Four Local and one Remote Setpoints
Four Local Setpoints and one Remote Setpoint are provided, which are selectable either via the keyboard or by Digital Input.
- Universal Switching Power

Operates on any line voltage from 90 to 264 Vac 50/60 Hz without jumpers. 24 Vac/dc instrument power is available as an option.

- **Timer**

This standard feature provides a configurable time period of 0 to 99 hours, 59 minutes or units of minutes and seconds. It can be started via the keyboard, alarm 2, or by a digital input. The timer output is Alarm 1, which energizes at the end of the Timer Period. Alarm 1 can be automatically reset. The Time Period can be changed between each batch. Status is shown on the lower display.

- **Moisture Protection**

The NEMA4X and IP66 rated front face permits use in applications where it may be subjected to moisture, dust or hose-down conditions.

- **Setpoint Ramp/Soak Programming (Optional)**

It enables you to use 8 programs and store 4 Ramp and 4 Soak segments per program. Programs can be linked up to 64 segments. Run or Hold of program is keyboard or remote digital switch selectable.

- **Setpoint Rate**

It enables you to define a ramp rate to be applied to any local setpoint change. A separate upscale or downscale rate is configurable. A single setpoint ramp is also available as an alternative.

- **Data Security**

Five levels of keyboard security protect tuning, configuration and calibration data, accessed by a configurable 4-digit code. Nonvolatile EEPROM memory assures data integrity during loss of power.

- **Diagnostic/Failsafe Outputs**

Continuous diagnostic routines detect failure modes, trigger a failsafe output value and identify the failure to minimize troubleshooting time.

- **High Noise Immunity**

The controller is designed to provide reliable, error-free performance in industrial environments that often affect highly noise-sensitive digital equipment.

■ Accutune III

- This standard feature provides a truly plug and play tuning algorithm, which will, at the touch of a button or through a digital input, accurately identify and tune any process including those with deadtime and integrating processes. This speeds up and simplifies start-up plus allows retuning at any setpoint. The algorithm used is an improved version of the Accutune III algorithm. Two possibilities are now offered when tuning your process: Fast Tune and Slow Tune.
- Fast Tune will tune the process in such a way that the temp is reached faster, a slight overshoot will be allowed.
- Slow Tune will minimize overshoot, but it will take more time for the process temperature to reach the target setpoint.
- Heat/Cool (Duplex Tune) will automatically tune both the heating and cooling sides of the process.

■ Fuzzy Logic

This standard feature uses fuzzy logic to suppress process variable overshoot due to SP changes or externally induced process disturbances. It operates independently from Accutune III tuning. It does not change the PID constants, but temporarily modifies the internal controller response to suppress overshoot. This allows more aggressive tuning to co-exist with smooth PV response. It can be enabled or disabled depending on the application or the control criteria.

■ Displays

- TFT screen is adopted for better display. During normal operation, the upper and middle display is dedicated to the process variable and setpoint variable and special annunciator features. During configuration, the upper, middle and lower display provides guidance for the operator through prompts.
- During normal operation the lower display shows key-selected operating parameters such as Output, Setpoints, Inputs, Deviation, active Tuning Parameter Set, Timer Status or minutes remaining in a setpoint ramp. During configuration, the lower display provides guidance for the operator through prompts. Diagnostic messages are displayed independently. Barchart of PV, SP, OUT displayed on screen.

- You decide how the controller is to interact with the process by selecting, through simple keystrokes, the functions you want. English prompts guide the operator step-by-step through the configuration process assuring quick and accurate entry of all configurable parameters.
- Indicators provide alarm, control mode, and temperature unit indication. There is also indication of when Remote Setpoint is active, the status of the control relays, and whether a setpoint program is in Run or Hold mode.

Key highlights of UDC2800 Release 110.2:

- The EasySet app is updated for better performance.
- Firmware upgrade through the EasySet App.
- Importing legacy devices' (UDC2500 and UDC3200) configuration to the UDC2800 through the Easyset app.
- The SPP program supports 8 SPP programs, each with 8 segments.
- The PID set configuration allowed up to 4 sets.
- The UDC device UI is enhanced.
- Resolved: The R100 release must fix issues.
- The **Restore*** option is added in the Security group.

Key highlights of UDC2800 Release 110.2.01:

- TC1 and TC2 fail limit is increased from 180 to 2000.
- TC1 and TC2 warning limit is increased from 100 to 1000.
- The input failure limit for TC/RTD increased from 1% to 10%.
- Improved firmware upgrade speed when using the EasySet app. (This faster upgrade time is effective when upgrading from 1.29.10 to later versions)

Key highlights of UDC2800 Release 110.2.02:

- Added Configurable background theme. (Default theme: White background)
- Resolved: UDC2800 lockup issue.

- Deviation Alarm input range changed to 0 to 9999.
- RTD with long wires failure issue fixed.

SYSTEM REQUIREMENT

Honeywell EasySet is used to configure UDC2800 on a Mobile Device via Bluetooth. It is required to install Honeywell EasySet on IOS 12.0 or higher operating system.

KNOWN ISSUES

Based on information and data available to up to date, this section describes some currently identified issues related to this release.

To see an up-to-date list of known issues, check that you have the latest version of the Software Change Notice (SCN), available from <https://www.honeywellprocess.com/support>. To access the latest version of the SCN, See "Check for updates on the Honeywell Process Solutions website" on page 1 for more information.

PAR	Description
HUDC-2369	<p>Description: "SP Error" will be displayed in Accutune - Error Status even Accutune is accomplished successfully. This is a diagnostic message issue, and it would not impact auto tune process.</p> <p>Recovery: This is a diagnostic message issue, and it would not impact auto tune process.</p> <p>Workaround: None</p>
HUDC-2288 HUDC-2498	<p>Description: When working SP is switched from local SP to remote SP, Control - Autobias does not work even it is enabled. It should have added a bias to remote SP automatically to make remote SP equal to local SP.</p> <p>Recovery: Controller will use remote SP as working SP, control algorithm will work as normal and PV will be stable at remote SP.</p> <p>Workaround: Before switching to remote SP:</p> <ul style="list-style-type: none"> • Set remote SP equal to local SP manually • Set bias to remote SP manually
HUDC-2273	<p>Description: When use DI channel 1 or channel 2 to switch working SP from remote SP to local SP, Control - SP Tracking does not work even it is enabled. It should have made local SP equal to remote SP.</p> <p>Recovery: Controller will use local SP as working SP, control algorithm will work as normal and PV will be stable at local SP.</p> <p>Workaround: Before switch to local SP, set local SP equal to remote SP manually.</p>

PAR	Description
HUDC-2432	<p>Description: If the current output board and auxiliary output board are installed, and the Output Algorithm is set to relay output, Current Output 1 is set to "Input1" (one of the auxiliary output type), Auxiliary Output is set to "Output", then the Auxiliary Output value displayed in the lower display will show Current Output 1 in percent, not Auxiliary Output in percent. This is a display issue and not affect the normal hardware channel operation.</p> <p>Recovery: Use one of the Auxiliary Output function only.</p> <p>Workaround: Set Current Output and Auxiliary Output to the same type, and use one Auxiliary Output function only.</p>
HUDC-2450	<p>Description: When switching PD+MR algorithm control mode from manual to auto, the output value cannot jump to the Manual Reset value, but the output value in the manual mode plus the Manual Reset value.</p> <p>Recovery: None</p> <p>Workaround: Before switching PD+MR algorithm control mode to the auto mode, set the output value in manual mode to the desired value, and set the Manual Reset value to zero.</p>
HUDC-2465	<p>Description: Sooting message is displayed when using Dewpoint, but it does not impact the function.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-2466	<p>Description: The following configuration errors cannot cause the controller go to the failsafe mode:</p> <ul style="list-style-type: none"> • PV low limit > PV high limit • SP low limit > SP high limit • OUT low limit > OUT high limit <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-2476	<p>Description: PV Rate Alarm resolution is poor.</p> <p>Recovery: None</p> <p>Workaround: Set a smaller PV Rate Alarm value, or increase the PV change</p>

PAR	Description
	rate to trigger the alarm.
HUDC-2481	<p>Description: When both Alarm 1 and Alarm 2 are set as PV Hold Alarm, Alarm 2 uses the Alarm 1's setpoint value.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-2484	<p>Description: The digital input 2 does not work when you disable the auxiliary output. The digital input 2 only works after a power cycle.</p> <p>Recovery: Power cycle the controller.</p> <p>Workaround: None</p>
HUDC-2499	<p>Description: Set Digital input type to PID2, 3, 4, when DI is reopened, PID set will not go back to the original PID set.</p> <p>Recovery: None</p> <p>Workaround: Use lower display to switch PID set back to the original PID set.</p>
HUDC-2490 HUDC-3196	<p>Description: Setting Digital Input type to Remote SP does not work.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-2491	<p>Description: Setting Digital Input type to Reset FeedBack does not work.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-2492 HUDC-3230	<p>Description: Setting Digital Input type to Manual Latching does not work.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-2494	<p>Description: When the SP Program termination state is failsafe, the controller cannot force the output to the failsafe value and change the mode to manual.</p> <p>Recovery: None</p> <p>Workaround: None</p>

PAR	Description
HUDC-2568	<p>Description: Milliampere Input types (0-20mA/4-20mA) cannot be converted to PV properly under manufacturing calibration default data.</p> <p>Recovery: None</p> <p>Workaround:</p> <ul style="list-style-type: none"> • When using 0-20mA and 4-20mA, do field calibration. <li style="padding-left: 20px;">or • Using 0-5V input type instead of 0-20mA, and using 1-5V input type instead of 4-20mA.
HUDC-3259	<p>Description: The EasySet app does not show any disconnect message to the user if the Bluetooth option is disabled in the controller.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3233	<p>Description: While calibrating Slidewire, the values Bump is observed; this will also worsen the Real time update of the Slidewire Position.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3231	<p>Description: Whenever the user selects Position Proportion as output Algorithm & Control Algorithm as PID A, PID B or PD+MR, in this case, instead of considering Normal Failsafe, TPSC failsafe is considered.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3229	<p>Description: Alarm Functionality with Combination of PID A & Position Proportion Not working.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3220	<p>Description: When the user tries to start the Slidewire Do Auto Calibration, once he goes zero & clicks Lower Display, the decrement relay is still on & valve is going to zero.</p> <p>Recovery: None</p> <p>Workaround: None</p>

PAR	Description
HUDC-3217	<p>Description:If the algorithm is PID A, B, On OFF or PD + MR & output is Position Proportion & input 2 as slidewire, When Failsafe is Latching the Output is not moving to failsafe value.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3216	<p>Description:When Input 1 or 2 is disabled on the controller, the user sees Input * High & low values displayed on the controller but not on the app (It looks like this should be hidden from the controller)</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3216	<p>Description:IOSApp: SP Program > Segment * Time > shown as 0.00 instead of 0:00</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3211	<p>Description:When configuring PID A PID B, ON OFF, PD + MR, and Relay state configured apart from 1OFF 2 ON, then switching to TPSC, manual operation & Calibration are not working.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3198	<p>Description:FW: Algorithm PD+MR has an issue when the BIAS is set in manual mode & changed to auto mode; the Output percent is displayed by adding bias.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3194	<p>Description:Manual calibration in the Slide wire is not working, and auto calibration has some deflection.</p> <p>Recovery: None</p> <p>Workaround: None</p>
HUDC-3609	<p>Description: While Calibration Auxiliary/Current output , Value on DMM does not display calibration values instead it is displayed as per</p>

PAR	Description
	<p>Configured Auxiliary/Current Output type.</p> <p>Recovery: None</p> <p>Workaround: Select Auxiliary output type as SP while calibration.</p>
<p>HUDC-3561</p>	<p>Description: The deviation/PV rate alarm setpoint range is not configurable via IOS and Android applications.</p> <p>Recovery: None</p> <p>Workaround: User can configure setpoint range through UDC controller display.</p>
<p>HUDC-3610</p>	<p>Description: Database, read/write, diagnostics, SPP, shed function, and fail safe will not work if user configured timer function and AO/CO diagnostics as alarm 2 after power cycle.</p> <p>Recovery: Firmware upgrade fix.</p> <p>Workaround: None</p>

PROBLEMS RESOLVED

This chapter provides the details of resolved PARs.

PAR	Description
HUDC-2400	Description: Cold junction compensation is not available on Input Type thermocouple PR40-PR20.
HUDC-2276	Description: When Options - DI channel 1 or channel 2 function is set to "To Tune", if DI channel 1 or channel 2 contact is closed, auto tune process will not start as expected.
HUDC-2497	Description: When use DI channel 1 or channel 2 to switch working SP from remote SP to local SP, Control - SP Tracking does not work even it is enabled. It should have made local SP equal to remote SP.
HUDC-2431	Description: When Event On Alarm is switched from Enable to Disable, internal alarm status is not reset. Hence, if Event On Alarm is enabled again, the alarm will be triggered immediately.
HUDC-2440	Description: If the Fluke 525A thermocouple simulator is used for TC input types, and because the thermocouple health current pulse cannot be turned off, an overload error message will be displayed in the Fluke 525A, and the thermocouple simulator cannot provide an accurate input value.
HUDC-2472	Description: When SP Program is in Hold status, SP Program cannot increase or decrease the active segment shown in the lower display.
HUDC-2485	Description: Set Digital input type to Manual, when DI is closed, "Manual" indicator does not blink. It is a display issue.
HUDC-2486	Description: The Rerun should reset the SP Program back to the first segment without resetting the program recycles, current design will reset SP Program to the beginning of the current segment.
HUDC-2489	Description: Setting Digital Input type to Output Track Input 2 does not work.
HUDC-2493	Description: When SP Program Soak Deviation is in active states, Run/Hold indicator does not flash between Run and Hold. It is a display issue.
HUDC-3288	Description: When Burnout is configured as No Burnout, Upscale Burnout or Downscale Burnout for Thermocouple types which can generate more

PAR	Description
	than 19.7mV at a specific temperature will display an error message as TC * Fail and Does not operate above this temperature range.
HUDC-3227	Description: Error status under Accutune should not be editable(read only).

CHAPTER

9

DOCUMENTATION UPDATES

See 51-52-25-157 UDC2800 Product Manual

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If you have comments about Honeywell Process Solutions documentation, send your feedback to: hpsdocs@honeywell.com

Use this email address to provide feedback, or to report errors and omissions in the documentation. For immediate help with a technical problem, contact HPS Technical Support through your local Customer Contact Center, or by raising a support request on the Honeywell Process Solutions Support website.

How to report a security vulnerability

For the purpose of submission, a security vulnerability is defined as a software defect or weakness that can be exploited to reduce the operational or security capabilities of the software.

Honeywell investigates all reports of security vulnerabilities affecting Honeywell products and services.

To report a potential security vulnerability against any Honeywell product, please follow the instructions at:

<https://www.honeywell.com/en-us/product-security>.

Support

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Factory information

Company Name: HONEYWELL System Sensor de Mexico, S. de R.L. de C.V.

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