Copeland High Pressure CO$_2$ Controller

Update Advisory for Copeland High Pressure Controller (iPro CO$_2$) Firmware 4.00F03

As Copeland continues to innovate in CO$_2$ refrigeration solutions, we are excited to introduce the latest firmware enhancements for the iPro HPV controller. This controller is integral to the optimal performance of CO$_2$ rack systems and the new updates further enhance its reliability and efficiency.

Firmware Update Overview

Our commitment to continuous improvement has driven the development of the latest firmware version 4.00F03 for the iPro CO$_2$ HPV controller. These enhancements are designed to refine the system's operation, ensuring it performs at its best in all conditions.
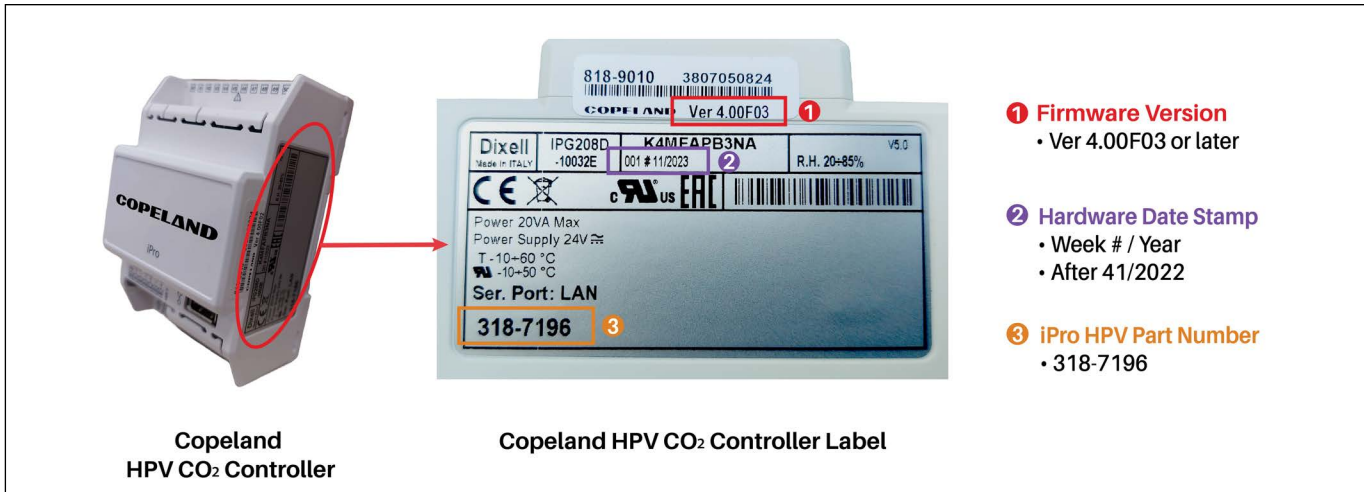
1. **Optimized Mode Transition Handling:** The transition from Subcritical (SC) to Transcritical (TC) mode has been fine tuned to ensure an even smoother process. This update optimizes the high pressure valve positioning to enable seamless transition from subcritical to supercritical operation while maintaining stable gas cooler outlet (drop leg) pressure control.

2. **Improved Low Gas Cooler Pressure Protection Mode:** In low ambient conditions, effective condenser pressure control is crucial for system stability. This Copeland High Pressure Controller update enhances the high-pressure valve's ability to maintain minimum drop leg pressure and optimizes the cooling of the gas cooler outlet.
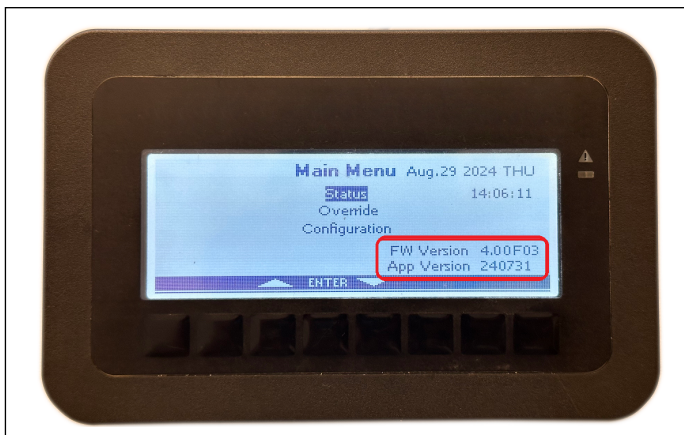
In order to optimize system performance, you are encouraged to use the latest hardware and firmware versions as highlighted in *Addendum 1*. Additionally, please ensure you have the most recent integration files and follow the Compatibility Matrix listed in *Addendum 2*.

Our goal is to empower you with the latest advancements, ensuring our technology remains at the forefront of the industry.

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Addendum 1: Latest Hardware and Firmware to Date

❶ Firmware Version
• Ver 4.00F03 or later

❷ Hardware Date Stamp
• Week # / Year
• After 41/2022

❸ iPro HPV Part Number
• 318-7196

Copeland HPV CO$_2$ Controller

Copeland HPV CO$_2$ Controller Label

HPV CO$_2$ Visograph Display

Addendum 2: Compatibility Matrix

Follow the Compatibility Matrix below to ensure you have the most recent integration files.

iPro HPV App (FW Version)	ADF Number E3/Supervisor	ADF Version	DSC Number E2	DSC Version
160526 (FW 2.00F01)	531-0274	v1002.9	527-0396	v23.0
231001 (FW 4.00F01/F02)	531-0363	v1002.4	527-0995	v8.0
240731 (FW 4.00F03)	531-0363	v1002.4	527-0995	v8.0

Visit our website at **copeland.com/en-us/products/controls-monitoring-systems** for the latest technical documentation and updates.

For Technical Support call **833-409-7505** or email **ColdChain.TechnicalServices@Copeland.com**

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