

# CPA 3.0 Software Revision History

Revision history for the Cryomech CPA 3.XX model compressor software.

This document includes release notes for version CPA 3.99.0 with history of release notes from recent updates included.

## CPA 3.99.0 Release Notes

**Release date:** March 27, 2026

- Modified the lockout timer to from 30 min to 10 min
- Fixed Modbus handling of SetSingleRegister\_06

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## CPA 3.98.0 Release Notes

**Release date:** October 14, 2025

- Corrected the flow of startup routine to take advantage of driver feedback showing the status of the motor moving.
- Changed how auto sensor disable functions to prevent motor current spikes from disabling the motor current sensor.
- Corrected a signaling flaw that prevented the compressor from starting if an external driver was being used.
- Changed the initialization of the cold head driver to eliminate a race condition that would randomly trigger a warning message about the cold head needing to be attached when it was already attached.
- Added code to initiate a random delay up to 40 seconds in the automatic restarting process. This random delay will only be initiated if the system was running when there was a power outage. This is to prevent multiple compressors from surging the power grid by restarting at roughly the same time.

## CPA 3.95.0 Release Notes

**Release date:** June 27, 2025

- Modbus registers added to allow enable and disable of sensors as well as listing what sensors are disabled.
- Operators can now disable more than one sensor depending on other sensors functioning properly.
- Sensors auto disabling if sensor failure is detected.

## CPA v3.91.0 Release Notes

**Release date:** December 19, 2023

AMP supplied motor driver with rev 2.00 code takes longer to perform a motor winding test, can cause driver error and motor stall. Increased the wait time for the motor check. Added hidden button to the firmware updating cover all upgrade scenarios.

## CPA v3.90.0 Release Notes

AMP drivers with rev 2.00 code have issues with some customer's commands. Decided to remove them from the startup sequence to avoid issues

## CPA v3.89.0 Release Notes

Changed how the context menu is activated