

Case Controller 200 (CC200)

Update Advisory for CC200 Firmware 1.01F01

The Case Controller 200 (CC200) is a microprocessor-based controller for use in controlling temperature and Superheat in refrigerated fixtures and walk-in boxes. The controller is suitable for medium and low temperature applications and can control all loads in a refrigerated box or fixture for up to three evaporator coils. These include lighting, fans, defrost heaters, solenoid valves, stepper valves, and pulse width modulation valves.



What's New in the CC200 Software Version 1.01F01:

Features and Fix Descriptions

Features

- Added R-744 (CO₂) refrigerant and logic throughout controller.
- Added R-744 specific shutdown detection through high pressure shutdown.
- Added R-744 specific load management point for supervisor control of CO₂ load management.
- Added MODBUS RTU communication for supervisor controllers.
- Added a new EEV control algorithm for refrigeration systems with less stable evaporator pressures.
- Added new refrigerant support for: R-744, R-454C, R-455A, R-457A, R-471A, R-1234yf, R-1234ze.

Fixes

- Fixed the issues with onboard PCB fan CT threshold for auto zero being too low.
- Improved value for EEPR proportional band factory default.
- TCP/IP subnet mask is now set correctly for BACnet IP.
- Fixed the pulse EEV status of valve position showing EEV1-3 as EEV1's position.
- The steps of unipolar valves are now handled properly internally.
- Changed BACnet COV timer value to help with periods of heavy network traffic.
- Fixed issue with valve motor setting for unipolar valves.
- Increased supervisor offline timeout to a more optimum value to reduce nuisance alarms.
- Fans stay on during wait mode for controllers with Fan In Defrost parameter set to **On In Def**.
- High and Low case temperature alarm logic now uses the configured control sensor instead of always discharge air.

Component Version Compatibility

Table 2 - DSC, E2E, and Mobile App Compatibility with CC200 Version 1.01

Component	Minimum Version Required
E2E Firmware	4.10F06 and higher
Modbus DSC	1.0
Modbus ADF	1002.3
BACnet DSC	11.0
BACnet ADF	1012.3
CC200 Display Firmware	ft_20220427.fw
IOS Cold Chain Connect Mobile App	21.4 and higher

****Versions listed are the minimum required to be compatible with CC200 1.01 Firmware***

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**