Case Controller (CC200)

Update Advisory CC200 Firmware 1.03F01

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 1.03F01:

Table 1 - CC200 Updates and Description Matrix

Features and Fix Descriptions
Features

• Support for A2L refrigerants added:
  ○ R-454C, R-455A, R-457A, R-1234YF, R-1234ZE
  ○ Mitigation Strategy implemented that generates an alarm and closes the isolation valves to prevent additional refrigerant from leaking when an A2L leak exceeds a threshold. The isolation valves remain closed a minimum of five minutes after the gas concentration is below the threshold, and must be manually reset to open.

• Two-speed fan support added: The auxiliary relay can be configured as a Fan 2 Speed output. This output will be controlled on a hysteresis based on the refrigeration control value and the refrigeration setpoint +/- half the refrigeration deadband.
• Variable speed fan support added: A variable speed function can be selected for an analog output. The output has an option to be inverted so the output can scale, so outputting 10V can be either the minimum fan speed or maximum fan speed.
• Night shutdown: A night shutdown acts like a normal shutdown except the fans stay on at minimum speed. The fan relay output will remain on, but the auxiliary fan 2 speed output will be deactivated and the variable speed analog output will go to its minimum speed.
• Cold Chain Connect mobile app (CCC)/Modbus Time Sync: Added ability for the CC200's time to be synchronized through the Cold Chain Connect mobile app or from a Modbus supervisor.
• Support added for specifying the first octet of the CC200 IP Address. Previously, the first octet was hard-coded to 10, but now can be user-specified.
Fixes
• Corrected an issue that prevented the IP from setting correctly when changing the rack, circuit, or case ID.

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