



CC200 case controller

Redefining refrigeration control

How intelligent, convenient and robust control impacts every link in the commercial refrigeration supply chain.



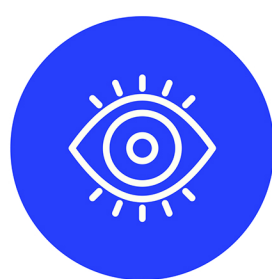
Refrigeration Reliability



Energy Efficiency



Future-forward Compatibility



Servicing Simplicity



Bluetooth®-connected

FOR FOOD RETAILERS



Precise temperature control ensures food quality and safety; helps minimize product shrink.

- Maintains temperatures within +/-1 °F of setpoint.
- Automatically coordinates valve operations.
- Factory-calibrated sensors guarantee temperature reliability and pressure control.



Demand defrost feature improves energy efficiency and performance.

- Reduces defrost cycles by up to 50 percent for cases with doors; 25 percent for walk-ins.
- Minimizes pull-down loads following defrosts to improve suction pressure stability.
- Improves energy efficiency due to reduced rack operation and compressor cycles.

Estimated savings:

- A typical five-door, low-temperature case with electric defrost can save up to \$720 per year (\$60 per month).
- A typical walk-in with two evaporator coils using electric defrost with a 7.5 kW value can result in savings of up to \$1,200 per year (\$100 per month).



Service-friendly features limit service calls and save money.

- Defrost heater amperage monitoring and failure alarming features help to prevent evaporator freeze-up, which can save up to \$600 per de-icing.
- Evaporator fan motor circuit amperage monitoring detects potential motor failures, enabling them to be fixed before affecting evaporator performance and food quality.
- Floating superheat setpoint algorithm automatically finds the optimal setpoint, balancing air temperatures to target, saving commissioning time, and eliminating the trial and error of setpoint configuration.



Integrate with supervisory controllers via BACnet and Modbus protocols for universal application and remote monitoring.



Intuitive touch-screen interface for effortless control and long-lasting durability.



Future-proof compatibility with CO₂ and next-gen refrigerants helps to ensure long-term functionality.

FOR OEMs



Adaptable to low-, medium- and dual-temperature case designs, with a single power supply for all electronics and valve drivers.



Utilizes advanced control algorithms and safety features for efficient CO₂ and low-GWP refrigerant management.



Leads market demands for reliability, energy efficiency and sustainability in refrigeration technology.



Easily set factory parameters and conduct case tests via Bluetooth using the Cold Chain Connect mobile app.



Simplify inventory management and training with one controller part number for multiple valves, refrigerants and applications.



Save on construction time with purpose-built hardware, pluggable connectors, single power supply and snap-on expansion modules.

FOR TECHNICIANS



Bluetooth connectivity enables on-site troubleshooting via the Cold Chain Connect mobile app without having to unload the case or remove panels.



Pluggable connectors and color-coded temperature and pressure wiring inputs simplify servicing and installation.



Expansion modules enable control of up to three evaporators, minimizing wiring and decluttering the electrical tray.



Supports multiple valve types from one controller, reducing replacement parts stocking and training.



Seamless integration with E3 controller CO₂ suction group for better control of startup and shutdown.



Amperage monitoring of fan motor and defrost heater aids in faster component diagnosis.



Clear and concise parameter naming simplifies problem diagnosis and searching for parameters.



Patented floating setpoint algorithms for superheat and evaporator pressure find the optimal evaporator conditions automatically, reducing the number of hours spent manually tuning setpoints.



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