



Cold Storage Solutions Controller

Powered by Heatcraft
Sales Flyer



Cold Storage Solutions®



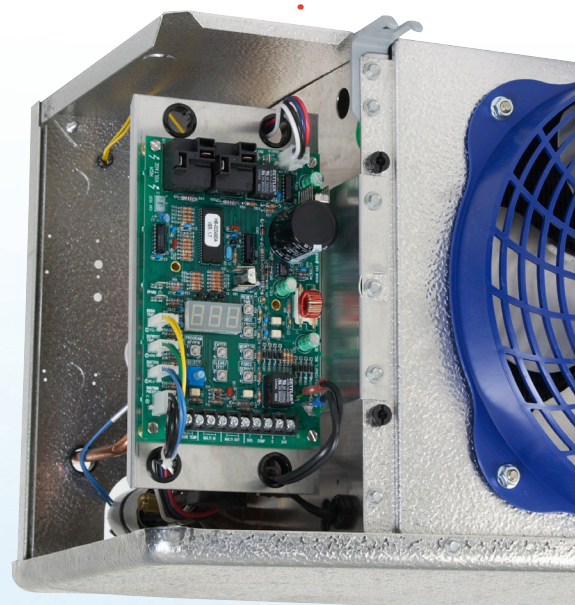
Product Overview

The Cold Storage Solutions Controller (CSSC), powered by Heatcraft, is a factory installed and tested control system that builds upon the reliability of the Heatcraft refrigeration system controls portfolio. Using state-of-the-art refrigeration controls technologies, the CSSC provides reliable and stable operation while saving energy. Factory installed and wired components result in true “plug and play” operation. When you order a new condensing unit and evaporator, equipped with CSSC, you can be certain that you are ordering the most complete, reliable, and energy efficient controls solution available today.

CSSC is a factory installed evaporator control system, equipped with integrated electronic expansion valve controls. Electronic expansion valves (EEV's) result in faster pull downs and more stable temperatures. The EEV's, in conjunction with intelligent control and defrost algorithms developed by Heatcraft, the same people who designed and built the refrigeration equipment that this system is installed on, result in precise control and maximum energy efficiency. In addition, the CSSC provides smart defrost and demand defrost capabilities.



powered by



FACTORY INSTALLED AND TESTED / STAND ALONE

Ease of Installation

- With a preassembled controls package, there is no need to worry about installing and connecting components, thereby significantly reducing the time and effort required. We have taken the guess work out of setup, so you can rest assured that the system will work optimally out of the box.

Built by Experts

- Heatcraft uses the same expertise used to design equipment to design refrigeration controls. Precise engineering allows for maximum efficiency and performance when using Heatcraft refrigeration system controls.

Stand Alone

- There is no need to install wiring between condensing unit and evaporator. The net effect is that not only is volume of electrical wiring decreased, so is the complexity. This translates to faster, simplified installations, as well as easier troubleshooting.

RAPID RESPONSE – EEV

Improved Temperature Control

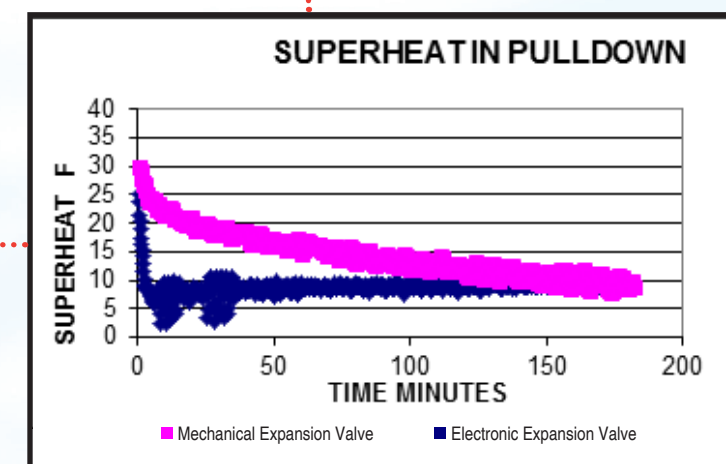
- A refrigeration system is designed to maintain product or process temperatures within a specific range. EEV's allow the refrigeration system to reach optimal conditions faster, resulting in greater control over system temperatures.

Speed

- Achieving and maintaining ideal superheat as quickly as possible means that your equipment responds rapidly following a compressor startup. The faster your refrigeration system can balance out, the faster it is able to adapt to changing load conditions.

Precise

- Thermostatic expansion devices take time and expertise to properly setup. With an EEV, the ideal settings already exist in the algorithm. All you need to do is select the desired superheat and refrigerant type, and the system will automatically make the necessary adjustments.



INTELLIGENT DEFROST

Intelligent

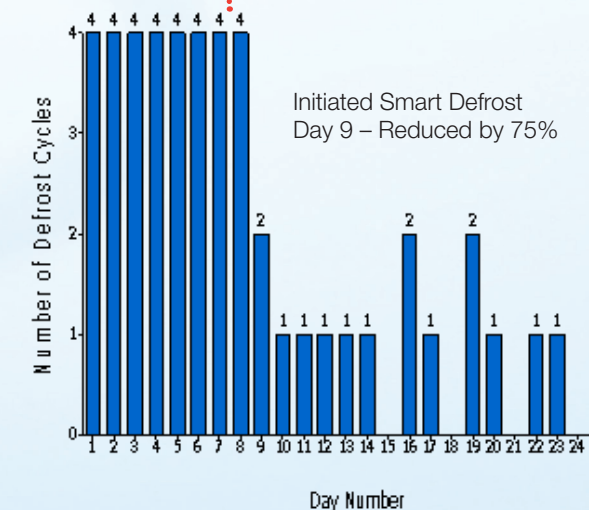
- Heatcraft has uploaded our years of experience and knowledge to the CSSC. The result is a controller that draws from our team of engineers and technicians, ready to analyze and adapt to constantly changing conditions.

Demand Defrost

- Continuously evaluating system parameters, such as pressures, temperatures, and valve position, Demand Defrost executes a defrost cycle only when conditions exist that suggest that frost is present.

Smart Defrost

- Working from scheduled defrost cycle times, the system evaluates whether or not a defrost cycle needs to be carried out. Skipping an unnecessary defrost cycle translates directly into energy savings and more consistent product temperatures.





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