



Keep food safe
while reducing
energy &
installation costs



Master Controller is standard on all SELF-CONTAINED CAPSULE PAK™ SYSTEMS.



On REMOTE SPLIT-PAK™ SYSTEMS it is standard on freezer systems 6 H.P. and above and optional on other systems

MASTER CONTROLLER ELECTRONIC CONTROLLER SYSTEM

The Master Controller is an electronic controller system designed to increase food safety while reducing energy and installation costs. It is standard on all self-contained Capsule Pak™ systems. On remote Split-Pak™ systems, it is standard on freezer systems 6 H.P. and above and optional on other systems.

FOOD SAFETY

- More precise and reliable controls than an all-mechanical system for increased food safety
- Should there be an issue with the refrigeration system, operators will know instantly through error codes and data provided online

INSTALLATION SAVINGS

- As an integrated component of Capsule Pak systems, no installation is required
- On Split-Pak systems, no wiring is required between evaporator coils and condensing units (2 pairs of low voltage wires, typically thermostat cables, are required to operate the Reverse Cycle Defrost valve and the compressor relay at the condensing unit).
- On Split-Pak systems, a Master Controller-equipped system uses less refrigerant with no winter charge necessary

ENERGY SAVINGS

- Patented design saves up to 27% more energy than an all-mechanical system
- Demand Defrost technology initiates defrosts only as needed for further energy savings
- Defrost time, when initiated, is also greatly shortened
- Reverse cycle defrost option on remote Split-Pak systems provides additional savings (see sidebar at right)
- On Split-Pak systems, save 2-4% more energy with the fan cycle option which saves electricity by cycling the evaporator fans during the compressor's off cycle

CONNECTIVITY

- Software loaded on each controller allows remote monitoring and programming using any device with a wireless internet or cabled (cat 5) connection
- No need for a service tech to climb onto a roof or enter the walk-in to monitor or adjust the refrigeration system
- Constant data access allows users to improve refrigeration performance and avoid service issues

REVERSE CYCLE DEFROST ON SPLIT-PAK REMOTE SYSTEMS

As a standard part of Master Controller on remote Split-Pak systems 6 H.P. and up, the reverse cycle defrost function offers several advantages:

- Helps prevent food spoilage by completely and rapidly removing ice build-up in evaporator coils. Reverse Cycle works from the inside of the coil outward compared to less efficient methods that work from the outside in.
- Reduces defrost energy usage by up to 80% over traditional electric heaters.
- The average defrost time for a freezer with electric heaters is 20-30 minutes. Reverse cycle can perform a defrost in as little as 3-5 minutes in a freezer or 1½-2 minutes in a cooler. Shorter defrost times help protect food integrity.
- Adds refrigerant savings due to reduced charge.



Software gives users constant access to refrigeration system performance data and can be accessed from any device with an internet connection, including PC, Mac, smartphone or tablet.



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Due to continuous product enhancements, we reserve the right to change specifications without notice.

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