

## MASTER CONTROLLER REVERSE CYCLE DEFROST FEATURES & BENEFITS

Feature	Benefit
Web2Walk-In internet application	Allows remote communications, setting changes, firmware updates, alarms via email or text message and system status monitoring. Special software not required.
Floating head pressure	Takes advantage of low air temperatures to reduce the amount of work for the compressor by allowing the head pressure to vary with outdoor conditions. This reduces compressor load and energy consumption and can extend compressor life.
Electronic expansion valve	Increased efficiency over mechanical thermostatic expansion valve. Electronic expansion valve is modulated by evaporator superheat and return air pressure and does not rely on less efficient refrigerant pressure drop.
Three temperature sensors	Accurate measurement of suction temperature, air temperature and coil temperature
Alternating runtime of two refrigeration systems	Allows more energy efficient use of refrigeration systems by reducing the number of stops/starts
Demand defrost technology	System only defrosts as necessary, saving energy
System settings are password protected	Added security
Simple superheat controller board	Available for multi-evaporator systems to reduce overall cost
Peer-to-peer control	Refrigeration and defrost can be synched together between several controllers (formerly master/slave set-up)
Standard alarm functions	Alert the user to potential problems with high temperature, low temperature, sensors, low pressure, communications or superheat
Data logging	Provides five days of room and coil temperature history to help diagnose service issues
Four digit readout and six button overlay	Ease of set-up and menu navigation
“Potted” control board	The control board is mounted to the plastic housing and encased with liquid polymer to protect from moisture and physical damage
Compatibility with most previous Master Controller versions	Can be used as an upgrade to an existing system or field replacement. The 2.0 version uses same expansion valve, temperature sensors and pressure transducer and fits on the same spot on the evaporator coil.