

# Quick Response Controller

## Powered by Heatcraft

The Heatcraft Quick Response Controller is a factory installed and tested control solution that provides automatic superheat and intelligent defrost control for refrigeration unit coolers. Utilizing innovative, state-of-the-art technologies, the Quick Response Controller delivers reliable operation and system performance while saving energy compared to traditional electro-mechanical refrigeration controls.



The company behind the brands you trust.



**NOTE:** Heatcraft offers additional units with mounted TXVs only, as well as other manufacturer components upon request.

## FACTORY INSTALLED AND TESTED

### Ease of Installation

- Pre-assembled controls package
- No installing or connecting components
- Reduced time and effort required for installation
- System will work optimally out of the box

### Stand Alone

- No low voltage wiring between condensing unit and evaporator
- Complexity and volume of electrical wiring decreased
- Faster installations and easier troubleshooting

### Built by Experts

- Same technical expertise used to design refrigeration equipment and the controls
- Precise engineering and systems integration allow for optimal performance

## RAPID RESPONSE – ELECTRONIC EXPANSION VALVE (EEV)

### Improved Temperature Control

- Designed to maintain product or process temperatures within a specific range
- EEV's will allow system to reach optimal conditions faster
- Greater control over system temperatures

### Precise

- Traditional thermostatic expansion devices (TXV's) take time and expertise to properly setup
- Ideal settings already exist in the algorithm with an EEV
- Select the desired superheat and refrigerant type, the controller will automatically make necessary adjustments

### Rapid

- Achieving and maintaining ideal superheat ensures equipment responds rapidly following compressor startup
- Refrigeration systems that balance out quickly, adapt to changing conditions faster

## INTELLIGENT DEMAND DEFROST

### Intelligent

- Many years of experience and knowledge harnessed to develop the Heatcraft Quick Response Controller
- Result is a controller that's ready to analyze and adapt to constantly changing conditions

### Demand Defrost

- Continuously evaluating system parameters, pressures, temperatures and valve position
- Executes a defrost cycle only when actual conditions warrant
- Results in overall energy savings, more consistent box temperatures and improved product integrity

## EC Motors

QRC R-407A/C/F and R-22 Models		QRC R-404A and R-448A/R-449A Models	
Air Defrost 115/1/60 Voltage	Electric Defrost 208-230/1/60 Voltage	Air Defrost 115/1/60 Voltage	Electric Defrost 208-230/1/60 Voltage
LSC040AEQRC2K	LSF035BEQRC2K	LSC040AEQRC6K	LSF035BEQRC6K
LSC052AEQRC2K	LSF040BEQRC2K	LSC052AEQRC6K	LSF040BEQRC6K
LSC065AEQRC2K	LSF047BEQRC2K	LSC065AEQRC6K	LSF047BEQRC6K
LSC070AEQRC2K	LSF065BEQRC2K	LSC070AEQRC6K	LSF065BEQRC6K
LSC090AEQRC2K	LSF075BEQRC2K	LSC090AEQRC6K	LSF075BEQRC6K
LSC104AEQRC2K	LSF090BEQRC2K	LSC104AEQRC6K	LSF090BEQRC6K
LSC120AEQRC2K	LSF120BEQRC2K	LSC120AEQRC6K	LSF120BEQRC6K
LSC130AEQRC2K	LSF140BEQRC2K	LSC130AEQRC6K	LSF140BEQRC6K
LSC140AEQRC2K	LSF160BEQRC2K	LSC140AEQRC6K	LSF160BEQRC6K
LSC156AEQRC2K	LSF180BEQRC2K	LSC156AEQRC6K	LSF180BEQRC6K
LSC180AEQRC2K	LSF200BEQRC2K	LSC180AEQRC6K	LSF200BEQRC6K
LSC208AEQRC2K	LSF240BEQRC2K	LSC208AEQRC6K	LSF240BEQRC6K
LSC260AEQRC2K	LSF280BEQRC2K	LSC260AEQRC6K	LSF280BEQRC6K
LSC312AEQRC2K		LSC312AEQRC6K	
LSC370AEQRC2K		LSC370AEQRC6K	



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