

Copeland Discus[®] Compressors with CoreSense[™] Protection



Operational savings and less downtime for commercial refrigeration users

Reduce maintenance costs.

Copeland Discus[®] semi-hermetic compressors have been the standard in the refrigeration industry for years, offering the most energy-efficient, reliable performance available in heavy-duty applications. Now this compressor offering has made another major advancement with CoreSense[™] Protection onboard, a breakthrough technology for commercial refrigeration systems. By using the Copeland Discus compressor as a sensor, CoreSense Protection monitors and interprets system and electrical information within the compressor, shutting it down before damage occurs. Copeland Discus with CoreSense Protection alerts technicians to the most serious faults first so they can accurately and rapidly correct problems and prevent catastrophic compressor failures that could suddenly generate product spoilage.

Protect system and compressor.

Supermarket, convenience store and other food retail operators have a significant investment in refrigeration equipment and perishable inventory. They need assurance that their equipment will not go down, costing them valuable time and money. Copeland Discus integrated with CoreSense™ Protection offers the ultimate safeguard against insufficient oil pressure, high motor temperature and is capable of high discharge temperature protection. This optimizes the technician's time, saves money and ultimately frees operators to focus on other priorities.



80% of all compressor failures could be avoided with regular maintenance and proper diagnostics

Unlock the power inside.

The unique combination of the best-performing reciprocating technology with integrated CoreSense Protection unlocks advanced capabilities in every 2D to 6D Copeland Discus compressor. Sophisticated algorithms and capabilities, such as fault history and LED indicators, allow technicians to diagnose the past and present state of the system for rapid, accurate troubleshooting and increased uptime. When CoreSense Protection senses a fault that the compressor is running in an unsustainable condition, it responds by shutting down the compressor to avoid imminent damage. Based on fault severity, the compressor will either reset itself when the condition is cleared or require a technician to troubleshoot the fault before restarting. Its communication capability also makes it possible to retrieve information and take action remotely, such as resetting and compressor proofing. For improved system performance and peace-of-mind, make sure you install systems with Copeland Discus compressors with CoreSense Protection.

Visit EmersonClimate.com/CopelandDiscus for more information.

Emerson CoreSense Technology

CoreSense technology gives operators access to information inside the compressor so they can identify performance issues quickly and accurately to ensure greater reliability. When adverse operating conditions are detected, CoreSense shuts the compressor down to prevent system damage, saving contactors and end-users money.

