

Copeland PerformanceAlert™

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Enhance Your Reputation

What is Copeland PerformanceAlert?

By using the compressor as a sensor, Copeland PerformanceAlert™ monitors compressor operating conditions and provides advanced compressor protection and diagnostics utilizing 11 fault codes. It also provides a history of system faults and can communicate both onsite and offsite. All of this makes it easier to diagnose and prevent refrigeration failures.



High Voltage Connections

Discharge Line Thermistor

Address Jumpers

External Communications

How does this help me?

Copeland PerformanceAlert increases the life of your refrigeration system while lowering downtime and maintenance costs. A recent study concluded that two of the most important advances in compressor technology for end users and contractors are predictive intelligence and lifetime fault history retrieval, both features of Copeland PerformanceAlert. The fault codes and fault history provide information to help improve speed and accuracy of system diagnostics. This allows you to solve problems more accurately and in a timely manner. In addition, Copeland PerformanceAlert takes action to save your compressor. Finally, we offer a technical support number which gives detailed support on how to troubleshoot based on the 11 fault codes shown below.

Code	Feature
Red	Comp Trip Identification
Yellow 1	High Discharge Protection
Yellow 2	System Component Trip
Yellow 3	Short Cycling Protection
Yellow 4	Locked Rotor Alarm
Yellow 5	Open Circuit Detection
Yellow 6	Missing Phase Alarm/Open Run Circuit
Yellow 7	Reverse Phase/Open Start Circuit
Yellow 8	Welded Contactor Alarm
Yellow 9	Low Voltage Alarm
Yellow 10	Lost Communication
Yellow 11	Open/Short Discharge Line Temp Circuit

Where can I use it?

Copeland PerformanceAlert can be used in walk-in, supermarket and refrigeration applications with single or multiple Copeland Scroll®, Copeland Discus® or Copeland® brand reciprocating compressors. It is also available on various models of Copeland® brand condensing units.

How do I use it?

Copeland PerformanceAlert can be used in new or existing systems. The compressor controller is simply wired into the system control circuit on your compressor (120/230V).

“My main concern is getting the equipment repaired the first time on the first visit. The main goal is that the equipment gets serviced quickly and we correct the problem.”

– Contractor

Features	Advantages	Benefits
Diagnostic Information	Provides Early Warning When Compressor Approaches ‘Red Zone’ & Takes Action To Save Compressor	Less Downtime Lower Maintenance Costs
11 Fault Codes	Improves Speed And Accuracy Of Diagnosis Of System Failure	Lower Maintenance Costs Faster Uptime– Happier Customers
Fault History Retrieval	Gives Contractor More Information To Solve Complex Problems More Accurately And In A timely Manner	Lower OEM Warranty Costs Lower Maintenance Cost Faster Uptime– Happier Customers
Technical Support Number	Helps Contractor Troubleshoot System Reduces Calls To OEM Service	Lower Maintenance Costs Faster Uptime – Happier Customers
Remote Communications	Remote Diagnosis Of Failures Contractor Knows That They Are ‘Getting Into’	Lower Maintenance Costs Faster Uptime – Happier Customers
Regulates Minimum Compressor Run Time	Improves Oil Circulation Through System Longer Compressor Life	Less Downtime Lower Maintenance Costs
Low Voltage/Phase Alarm Protection	Eliminates Need To Install Phase Monitor	Lower Maintenance Costs Potential Contractor Savings
120/230 V Compatible	Ease Of Design And Installation	Reduced Contractor Applied Cost
Disch Line Temperature Protection	Eliminates Need For DLT Thermostat Prevents Compressor From Operating Outside Envelope	Improved System Performance Reduced Applied Costs Lower OEM Warranty Costs
On-Site Alarm – LED Light	Visual Notification Of Issue	Lower OEM Warranty Costs Lower Maintenance Cost Faster Uptime– Happier Customers

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