

Drive Cooling Protection Kit with Advanced Diagnostics

Data Based Maintenance



This upgrade provides the ability to schedule drive heat exchanger maintenance based on real life performance data instead of run time based maintenance intervals. Data based maintenance ensures the heat exchanger is properly maintained and only serviced when required, resulting in a lower total cost of ownership. This upgrade will provide a warning via the Optiview panel and Building Automation System (if applicable) when the heat exchanger performance is outside of the design intent, indicating it needs to be cleaned. By ensuring the heat exchanger is always operating with optimal performance, the drive will be kept

consistently cool. A cool drive ambient temperature may provide a longer life for the internal components. Even if the drive is not tripping on over temperature conditions, the life of components can be extended when the drive ambient temperature is consistently maintained. This upgrade is available for drives on the YMC2 chiller that do not utilize auxiliary cooling. In addition to the standard VSD Cooling Protection Kit (393-66630-000), this option contains the Advanced VSD Diagnostics software that enables data based maintenance and provides an early warning if the variable speed drive begins to operate outside of design conditions.

Kit P/N -393-66630-001

Advanced VSD Diagnostics service is available exclusively through your local Johnson Controls Service Branch.

Kit Parts List:

Part Number	Description	Qty
025 29964 002	Temp Sensor 1	1
025 37894 001	Temp Sensor 1	1
013 00898 000	Thermal Compound 1	1
013 04124 001	Thermal Compound 1	1
392 42716 400	Temp Sensor Harness 1	1
025 38185 000	Socket Contacts 2	2
025 51459 000	Aluminum Tape 3	3
010 03807 000	Insulation 1	1
025 23765 003	Cable Tie 15	15
025 23765 001	Cable Tie 5	5
031 03605 001	YMC2 Mod A SW 1	1
031 03605 002	YMC2 Mod B SW 1	1
331 02911 630	Kit VSD Logic Board Soft.	1