



TECHNICAL SERVICES BULLETIN

010-022 Re-wiring Suction Accumulator & Crankcase Heater
April 22, 2004

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Scope: All Heatcraft Inc. Condensing Units used with THERMOGENESIS CORP. Freezers

Subject: *Oil Safety Control Operation*

Compressors exposed to cold temperature conditions (typically below 0°F) may cause the oil to thicken and not pump easily through the system. When this happens, the oil safety control may shut down compressor. To help reduce the occurrence of this shut down, the suction accumulator and crankcase heater can be re-wired to allow the heater to remain on at all times. This is only necessary on systems that may be exposed to cold temperatures.

Procedure:

Note: The following procedure should only be performed by a qualified refrigeration technician.

Procedure to Re-wire Suction Accumulator and Crankcase Heater:

1. Turn power off to the condensing unit.
2. Move wire #7 from C1A1 to the line 2 (L2) of the hot side contactor.
3. Turn on power.
4. Manually power compressor by depressing the compressor contacts.
5. Verify that there is continuous power to the suction accumulator and crankcase heater with an amperage meter. Check each circuit independently. Amperage should be approximately the rated amperage (crankcase heater 0.35 Amps, accumulator heater 0.5 Amps).

If you have any questions, contact THERMOGENESIS CORP. Customer Service at 800-783-8357 (U.S. and Canada) or 916-858-5100 (non-U.S./Canada) for assistance.