



SERVICE BULLETIN

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Supersedes: Nothing

Form 160.49-02 (SB2) (698)

File With 160.49-02

Subject: Microcomputer Control Center (YK Centrifugal Chiller) -
Eprom Version C.02F.18

On/about June 1998, the subject units will be shipped with eprom version C.02F.18 (P/N 031-01431-002). It contains enhancements that revise the following messages of Operation Manual 160.49-02 as follows:

“DAY-TIME-PROX SENSOR SAFETY SHUTDOWN”

In this eprom version, the Proximity distance must exceed the lower safety threshold (-25 mils from reference position), for 2 continuous seconds before a safety shutdown is initiated.

“DAY-TIME-HIGH OIL FLOW”

In this eprom version, the safety shutdown threshold is now 35.0 PSID, instead of the previous 40.0 PSID.

“DAY-TIME-HIGH SPEED DRAIN TEMP = XXX.X °F”

This message has been one of the scrolled messages under the Display Data key. In previous eprom versions C.02F.16 and .17, this message was not displayed if the Oil Pump Variable Speed Drive operation was not selected. In this version, this message is displayed regardless of the options enabled.

“SYSTEM SHUTTING DOWN - VANES CLOSING”

As released in eprom version C.02F.16 (refer to Service Bulletin 160.49-02 SB1), on selected chiller shutdowns, the Vanes are driven fully closed prior to de-energizing the starter. This operation remains the same. However, in this version, the time attached to the shutdown message will continue to update until the vanes have fully closed, whereupon the time is frozen, reflecting the actual time the starter is de-energized. Also, in this version, if a cycling (other than one that requires vane closure prior to shutdown) or safety condition occurs while the vanes are closing, the starter is immediately de-energized and the original shutdown message is replaced by the new message.

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