

Title: **19DR W/ESP CHILLER START ERROR**Number: **C8713**Date: **12/9/87**Supersedes: **NEW**

Date:

Models Affected: **19DR DUAL COMPRESSOR CHILLERS WITH ESP****PURPOSE:**

This bulletin provides information on the fix for a 19DR ESP software error.

BACKGROUND:

A feature of the 3200MP controls is the ability to inhibit starts if the chiller is started excessively. Originally, code 41 was displayed if more than 3 starts in 12 hours were attempted (chilled water recycle starts and 19DR lag compressor starts were not counted). This limit was later changed to 8 starts/12 hours.

PROBLEM DEFINITION:

An error has been found in the 19DR dual compressor options software that can result in nuisance code 41 start inhibits. The HK98EZ040 MX EPROM does not reset the 12 hour clock, so it generates a code 41 after 8 starts, regardless of how many hours between starts. There is no problem with the HK98EZ034 EPROM, if no ESP is used.

CORRECTION:

Depressing the reset or POR buttons, or de-energizing and re-energizing the control power will permit another 8 starts as a temporary fix.

The start inhibit feature based on starts/12 hours has been removed from EPROM HK98EZ040A as a quick fix, so code 41 will not be displayed. The stop to start anti-recycle feature has not been changed, so the chiller protection is similar to that prior to 3200MP. The "starts/12 hour" feature will again be included in a general logic upgrade expected early in 1988. HK98EZ040A's (or later versions) are available from RDC in the 32MP660011 EPROM Kit.

FILE: CONTROLS/WIRING

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