

**Carrier**

A United Technologies Company

REPLACEMENT COMPONENTS DIVISION

SERVICE BULLETIN**SUBJECT:** Version 12 Software for PIC II Benshaw Starters**NUMBER:** C0005**DATE:** 7-17-00**SUPERSEDES:** C9915**DATE:** 11-4-99**PAGE:** 1 of 1**MODELS AFFECTED:** 19XR & 23XL Chillers

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PURPOSE:

The bulletin is to inform the field regarding newly released software Version 12 for PIC II Benshaw solid-state starters. Version 12 software has or will be installed in all applicable starters in the field.

KEY CHANGES IN THE NEW SOFTWARE (SINCE VERSION 05):

- The problem which caused nuisance shutdowns wrongly interpreted (by the controls) as Remote Contacts opening or Spare Safety Fault has been fixed. In the former case, an alarm message may not appear, and the chiller might restart after the 15-minute timer expires.
- A "dry run" test mode has been added to permit a more thorough startup test without energizing a real motor.
- The threshold level for declaring the Motor Amps Not Sensed fault has been changed from 15% to 5% to be consistent with ISM changes.
- Open SCR Fault detection has been modified to eliminate inappropriate nuisance faulting. (Previously a loss of current in one phase might be declared as an Open SCR Fault.)
- Modifications have been made to reduce the potential for Loss of Communications faults.
- The Current While Stopped fault has been modified to be less sensitive (now requires persistence of 120 cycles).
- Values sent to the CVC's Power Table are now held for only 3 seconds after a fault occurring. (They are still retained in the ISM History table.)
- When a fault is declared, pumps and fans are now energized as required.