



File in _____ SK _____ Manual(s).

SERVICE BULLETIN

Supersedes: Nothing

693

Form 160.47-M2 (SB-8)

File with Form: 160.47-M2

SUBJECT: SCREW CHILLER (125-675 TR) MICROCOMPUTER CONTROL CENTER VERSION S.01S.10, S.01F.10 and S.01T.10 EPROMS

The following enhancement is included in the above EPROMS. They will be in production on/about June 1993. It is not necessary to retrofit to existing units.

LEAVING CHILLED WATER TEMP CONTROL - SENSITIVITY

Previous versions of EPROM had only one Slide Valve Control Routine, with no sensitivity adjustment. The Load and Unload pulses were of equal duration. Every 10 seconds it applied a 1-second long load or unload pulse to the Slide Valve as required to control the leaving chilled water temperature to the desired setpoint. In applications where a large amount of load is quickly removed from the chiller, it may not unload fast enough to compensate for this loss of load. Therefore, sensitivity adjustment is now provided with Micro Board Program Jumper **J53** per below. With the jumper removed, all unload pulses are 2-seconds long. This provides for faster unloading.

J53

IN - Standard Slide Valve Control. All load and unload pulses are 1-second long. Will provide proper operation in most applications.

OUT - Sensitive (Fast Unload) Slide Valve Control. All load pulses are 1-second long. All unload pulses are 2-seconds long. Provides faster unloading. Could be required in those applications where the **LEAVING CHILLED WATER TEMP** setpoint is occasionally raised by an external Building Automation System or any other application where load is quickly removed from the chiller.

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