Carrier
A United Technologies Company

REPLACEMENT COMPONENTS DIVISION

# SERVICE BULLETIN

**SUBJECT:** LID-2B Display for PIC Controls

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**DATE:** 7-31-96
**SUPERSEDES:**
**DATE:**
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**MODELS AFFECTED:** All Chillers with PIC Controls



PURPOSE:

To inform the field of the introduction of the LID-2B display for PIC control. The enhancements to the LID-2B are product improvements. There is no need to replace existing LID-B1 displays with LID-2B displays unless a LID-1B fails.

BACKGROUND:

Currently there are two distinguishing characteristics of the Local Interface Device (LID); the LID-1B with no backlite (part #: 19XB04004001) and the LID-1B with fiber-optic backlit display (part #: 19XB04007701). The backlit style display has been incorporated in the new enhanced LID-2B (part #: CESO130036) and replaces both older styles.

FEATURES:

The first recognizable difference between the LID-2B and its predecessors is compact design. The circuitry has been combined on one circuit board and the backlite has been integrated with the display. Other features are as follows:

1.) EPROM based software:

The need for battery support has been removed by the use of EPROM based software. The software for the LID is now resident on a pre-programmed soldered EPROM. A battery is not required to retain software in memory.

2.) Integrated power/CCN connection:

Power and CCN communication wire color coding are identical to previous LID's. These wires have been combined in a single five connector MOLEX plug (terminal J1 labeled POWER/CCN).

3.) Self-powered backlite:

The power for the back lighting is now provided internally. The 21 VAC power supplied to the LID also powers the backlite.

4.) Backlite saver feature:

The backlite automatically shuts off after 15 minutes of none use. This will prolong the light source life. To turn light back on, depress any softkey.

5.) Scrolling through menus:

A page scrolling feature has been added to the LID-2B. In addition to depressing and holding the softkey button to view the next lines of information, the softkey can be depressed twice in quick succesion (within one half second) and the screen will switch to the next page of information automatically.

INSTALLATION:

Three connections are required to integrate the LID-2B to PIC controls. Turn control power off. Terminate leads to the same connection as the previously installed LID. Power is supplied through the yellow and brown wires. Communication is established by the connection of the red, white and black leads to terminals 1, 2, and 3 respectively on COMM1 of the PSIO. The final connection from the LID to the PSIO is made at terminal J6 for the stop button and alarm light. Connect the four-conductor Phoenix plug from the previous LID to terminal J6 on the LID-2B.