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2813 LCD Contrast Adjustment

The 2813 utilizes a liquid crystal display (LCD) with a light emitting diode (LED) back light that produces excellent readability and long life. LCD contrast can vary with temperature change and viewing angle so the 2813 allows contrast adjustment from the keypad.

The 2800 uses a keypad controlled electronic potentiometer for contrast adjustment.

To access the adjustment screen press the **Lock** key.
The screen shown below will display allowing you select contrast adjustment.

```
**Lock KEY PRESSED**  
5 = ADJUST CONTRAST  
9 = GLOBAL LOCK  
Cancel = EXIT
```

Choose the **ADJUST CONTRAST** option to continue.

```
LCD CONTRAST ADJUST  
0 = DOWN  
1 = UP  
LOCK = EXIT
```

The **0** and **1** keys control the inputs to a 128 step electronic digital potentiometer. Pressing the **0** or **1** key will move the potentiometer one step position. A single step may not produce any significant change in the contrast. Multiple key presses may be required to produce the optimum character contrast. Once you are satisfied with the contrast press the Lock key to return to the normal operational screen. The potentiometer setting is stored in nonvolatile memory so it is retained even is power to the 2813 is removed.

The contrast **can not** be adjusted while field entry is in process , a major fault is being displayed, or during firmware and project loading. The contrast adjustment is available anytime during Ethernet address setup (DIP 3 on) and skips the selection screen.

For information on the **GLOBAL LOCK** refer to the integrated help file included with the ScreenMaker software.