

920i® Programmable Indicator/Controller

LCD Module Display Kit Installation

Kit Part Numbers

Display, LCD Module 920i (PN 186275): Transmissive, with LED backlight, wires are red and black

Display, LCD Module 920i (PN 186276): Transflective, with LED backlight, wires are red and black

Display, LCD Module 920i (PN 164371): Transmissive, with CCFL backlight, wires are pink and white

Display, LCD Module 920i (PN 164375): Transflective, with CCFL backlight, wires are pink and white

Refer to the 920i Installation Manual (PN 67887) for information on opening and closing the indicator.



Manuals are available from Rice Lake Weighing Systems at www.ricelake.com/manuals

Warranty information is available at www.ricelake.com/warranties



WARNING: This procedure requires work inside the indicator enclosure. Before opening the unit, ensure the power cord is disconnected from the outlet.

Display installation should be performed by qualified service personnel only.

Display Compatibility

Check for compatibility when replacing the display:

- Green CPU boards (PN 67612 or 109549), with circuitry for a CCFL backlight display
- Blue CPU boards (PN 186272), with circuitry for an LED backlight display

When replacing the CCFL backlight display with an LED backlight display on a green CPU board, a new power supply wire harness must also be installed. This wire harness is installed between the power supply and the CPU board. This wire harness includes an extension to supply voltage to the LED backlight display.



NOTE: The new, blue CPU board is not compatible with fluorescent CCFL backlight displays. Use caution if ordering a replacement display to ensure correct CPU board and display compatibility.

Rice Lake recommends replacing the fluorescent backlight display with an LED backlight display. A new power supply wire harness must also be installed during this replacement as listed below:

Models	AC Power	DC Power
Universal	186464	186464
Deep Universal	186278	187603
Panel mount models	186278	187603
Panel mount/Deep Universal, Two-slot expansion	188717	189425
Wall mount	186760	188345
Wall mount, Two-slot expansion	188716	189424
Wall mount, Six-slot expansion	188774	N/A

Table 1. PSU Wire Harness Parts List



NOTE: The blue CPU board (PN 186272) does not require the mentioned power supply wire harness when installing an LED backlight display.



Backlight Replacements

- CCFL backlight (PN 159946)
- LED backlight (PN 187677)



NOTE: Replacement backlights are available for displays with suffix WRUS and IQSS.

The backlights are interchangeable between the CCFL and the LED displays if the display has a suffix of WRUS or IQSS. Remove the two push pins and slide the backlight module out from under the display screen.

Modify Green CPU Boards for a CCFL Display

Modification of the green CPU board is required for a CCFL backlight display.



NOTE: CPU boards (Rev L and earlier) require a modification to limit the electrical current supplied to the CCFL backlight (see Figure 1).

For boards Rev H, J, K, L : Place the supplied tinned jumper wire between the two solder pads located on each side of the word **HIGH** (see Figure 1). Ensure insulation covers the vertical trace that the jumper crosses.

For boards Rev D, E, F, G : Place the supplied tinned jumper wire between the two solder pads located above the battery, closest to the dotted silk screen (see Figure 1).



NOTE: Jumper Wire is not needed for Board Rev M.

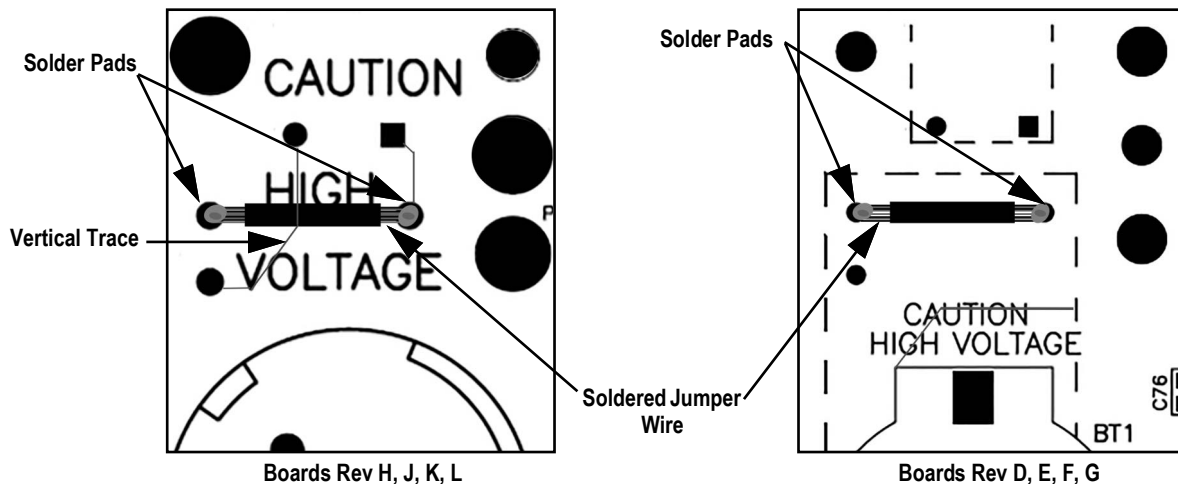


Figure 1. Tinned Jumper Wire Placement



IMPORTANT: Do not use a soldering iron higher than 40 watts.

It is not necessary to add extra solder to the wire.

For video instructions on this process, please visit www.ricelake.com.



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