

# 920i™ Programmable HMI Indicator/Controller

## Pulse Input Card Installation

PN 67603

Use the following procedure to install dual-channel A/D cards in 920i indicators.



Manuals can be viewed or downloaded from the Rice Lake Weighing Systems website at [www.ricelake.com/manuals](http://www.ricelake.com/manuals)



**WARNING** *Disconnect power before removing indicator backplate.*

*Use a wrist strap to ground yourself and protect components from electrostatic discharge (ESD) when working inside the indicator enclosure.*

1. Place indicator face-down on an anti-static work mat.
2. Loosen screws and remove the backplate.
3. Carefully align the large option card connector with connector J5 or J6 on the CPU board.
4. Press down to seat the option card in the CPU board connector.
5. Use the screws and lock washers provided in the option kit to secure the other end of the option card to the threaded standoffs on the CPU board (see [Figure 1](#)).

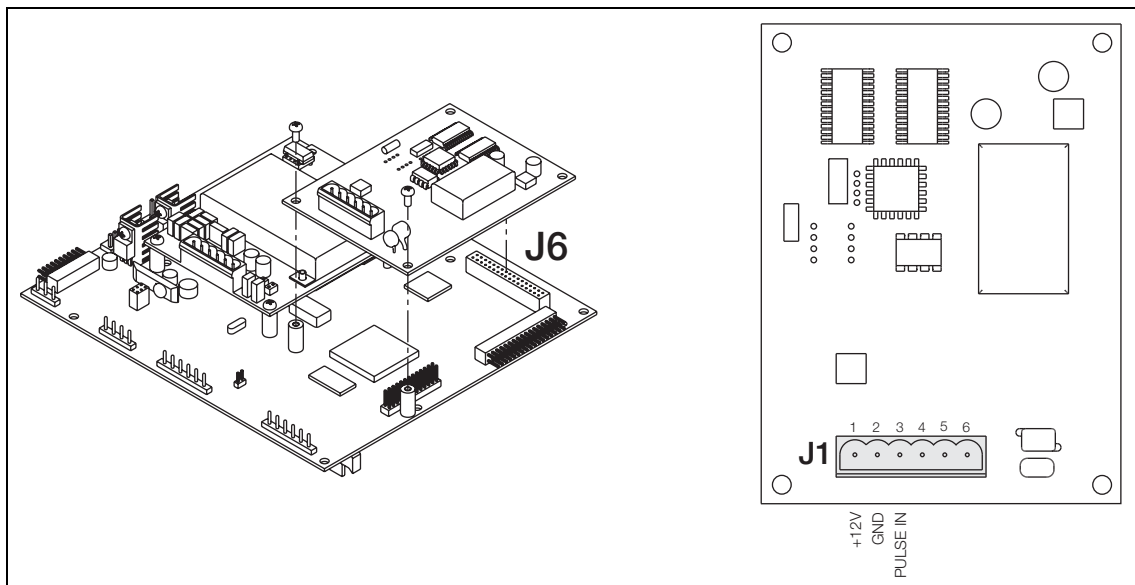


Figure 1. Pulse Input Card on CPU Board and Pulse Input Card

6. Make connections to the option card as required.
7. Use cable ties to secure loose cables inside the enclosure.
8. Position the backplate over the enclosure and reinstall the backplate screws. Use the torque pattern shown in [Figure 2](#) to prevent distorting the backplate gasket. Torque screws to 15 in-lb (1.7 N-m).
9. Ensure no excess cable is left inside the enclosure and tighten cord grips.
10. Reconnect power to the indicator.

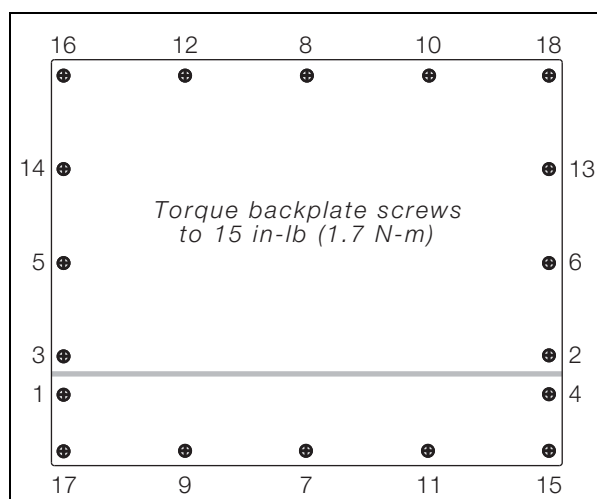


Figure 2. 920i Enclosure Backplate

**IMPORTANT**

*Torqued screws may become less tight as the gasket is compressed during torque pattern, therefore a second torque is required using the same pattern and torque value.*

The 920i automatically recognizes all installed option cards when the unit is powered on. No hardware-specific configuration is required to identify the newly-installed card to the system.

## Specifications

Sample Rate	10–4 KHz
Counting Speed	DC to 50 KHz maximum
Input	High impedance, with 1.65K $\Omega$ pull-up resistance. Compatible with TTL/CMOS/switch contacts.
Logic Levels	Low: <1 V; High: >3 V, up to 12 V



© Rice Lake Weighing Systems Specifications subject to change without notice.  
Rice Lake Weighing Systems is an ISO 9001 registered company.

230 W. Coleman St. • Rice Lake, WI 54868 • USA  
U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319