

Quick Connector Cable Installation Instructions

This addendum describes the installation of the optional quick connector cable for the IQ plus 355, 390-DC, 590-DC, and 420 Plus indicators. The quick connector cable allows connection of the load cell cable without opening the indicator enclosure. The quick connector can be mounted in the drilled hole used for the existing load cell cord grip without modifying the enclosure. Use the following installation procedure:

1. Disconnect indicator from power source.
2. Place indicator face-down on an antistatic work mat. Remove indicator backplate screws and backplate.

Warning *Disconnect power before removing indicator backplate.*

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

3. Remove the load cell connector from the header on indicator CPU board. Loosen connector screws and remove load cell wires from connector.
4. Remove ground wire from ground post assembly on indicator backplate.
5. Loosen cord grip nut and pull load cell cable through backplate. Remove load cell cord grip hex nut from the inside of the indicator and remove cord grip from indicator backplate.
6. Disconnect load cell cable from J-box.

NOTE: The quick connector cable comes in two sections (one long and one short) and is used as a complete unit. Do not cut the long cable except to remove excessive cable length at the J-box. Never cut or splice the short cable assembly.

7. Install gasket on the quick connector cable panel socket and install socket into indicator backplate. Install hex nut and tighten nut with a 7/8" wrench. Figure 1 shows the installation at the indicator backplate.
8. Connect the load cell cable to the load cell connector according to the wiring configuration shown in Table 1. Reinstall load cell connector onto header on indicator CPU board.

NOTE: The quick connector provides 4-wire load cell connection only. Jumpers JP1 and JP2 on the indicator CPU board must be installed.

Socket Pin	Wire Color	Signal
1	Red	+ EXC
2	Black	- EXC
3	White	- SIG
4	Green	+ SIG
5	Brown	Ground
6	—	—

Table 1. Load Cell Wiring Connections

9. Connect ground wire to existing ground post assembly on the inside of indicator enclosure.
10. Insert load cell cable into J-box and connect wires in accordance with wiring code.
11. Secure load cell cable to the inside of the enclosure with two cable ties.
12. Reinstall indicator backplate and torque screws using the torque sequence shown in the indicator *Installation Manual*. Attach cable socket end to indicator backplate.
13. Power up the indicator and configure using the indicator *Installation Manual*.

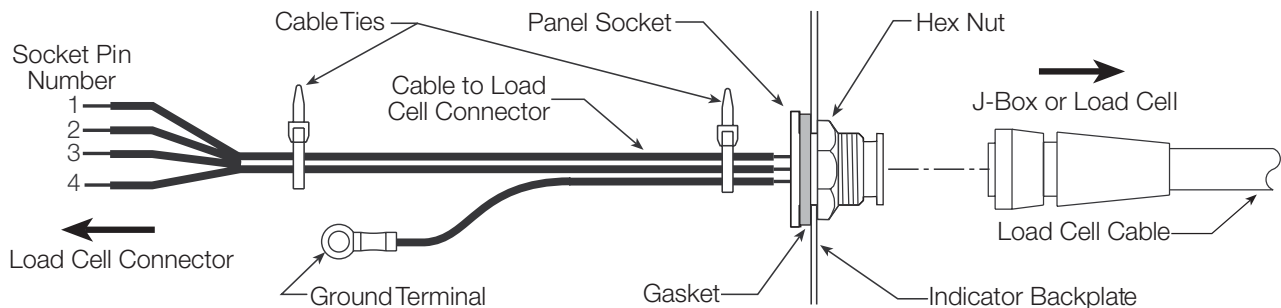


Figure 1. Quick Connector Wiring Diagram