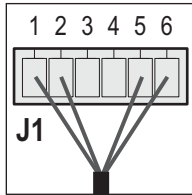# ⚠ *IMPORTANT* ⚠

Damage can occur to A/D circuitry if the SENSE parameter is not correctly configured for the load cell cable used.
The SENSE parameter is set to 4-WIRE by default, but must be changed to 6-WIRE for applications that use a 6-WIRE cable.

Configure **SENSE** parameter using the front panel of the 680.

1. Access setup mode by pressing the setup switch, ⊂o∩F₁ſ displays.

2. Press [GROSS NET B/N ▼], ⊂RPRⅭ₁ŁY displays.

3. Press [◄ UNITS], 5En5E displays.

4. Press [GROSS NET B/N ▼] to view the current wire setting for the SENSE parameter, 4-ῶ₁rE displays.

5. Press [PRINT ☼ ▶] to change setting, 6-ῶ₁rE displays.

6. Press [TARE ↯ ◄] to accept SENSE parameter setting.
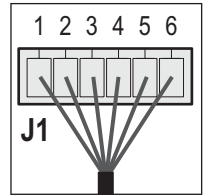
7. Press [MENU ⊟] to return to weigh mode.

Route the load cell cable to the J1 connector on the 680 CPU board and refer to the figures and table below for 4- and 6-wire cable wiring. For a 6-wire installation, the **SENSE** parameter must be set to **6-WIRE** in the CONFIG menu.

SENSE Parameter set to **4-WIRE**

1 2 3 4 5 6

J1

Pin	Function
1	+SIG
2	- SIG
3	+SENSE
4	- SENSE
5	+EXC
6	- EXC

SENSE Parameter set to **6-WIRE**

1 2 3 4 5 6

J1

📝 **Note** *For a 4-wire installation leave pins 3 and 4 empty on the J1 connector.*

Please refer to the 680 Technical Manual (PN 192627) for complete installation instructions and for addition details on accessing setup mode and the CONFIG menu, if needed.

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