



# SEL-651RA Installation Instructions for 2-Pin Cable for Input Power

## Introduction

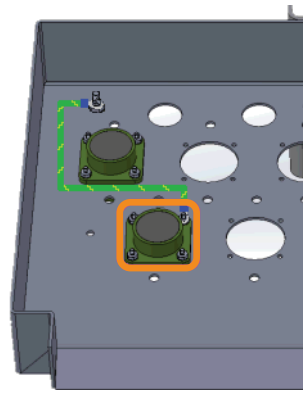
This 2-pin cable for input power provides a two-pin male receptacle that exits from the bottom of the cabinet. The 2-pin cable for input power is internally wired to the control module's power supply terminals. Therefore, the 2-pin cable for input power also supplies power to the outlet and/or any other accessories effectively connected in parallel with the power supply terminals. The 2-pin receptacle provides a convenient means (by way of an external cable, which is not included) to connect input power to the control.

## Parts

SEL Part Number	Description	Quantity
SEL-C2262	2-pin cable for input power	1
SEL-C5241	Ground wire	1
080-0101	5/8 steel wire clamp	2
140-0500	4-40 x 1/2" screw	4
140-0740	4-40 hex nut	4
144-0140	Plastic cap	1
310-0050	Zip ties	12

## Installation

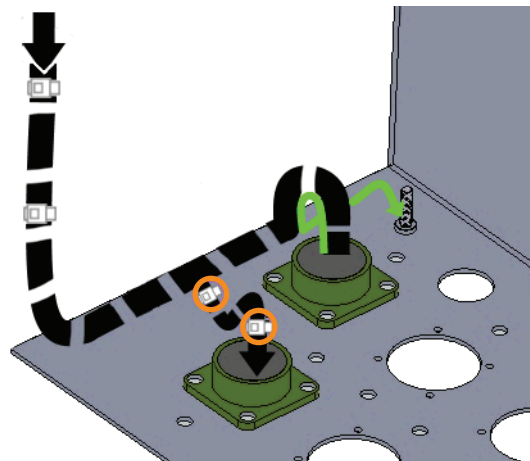
- Step 1. Install the 2-pin cable for input power in the bottom of the cabinet in the leftmost hole in the front row. Insert the receptacle from the inside of the cabinet and three of the four screws from the outside. Install the nuts on the screws from the inside of the cabinet. See *Figure 1*.
- Step 2. Install the smaller ring terminal of the green/yellow ground wire to the last connector screw and secure it with the last nut. See *Figure 1*.
- Step 3. Use the existing nut to connect the larger ring terminal of the green/yellow ground wire to the ground stud. See *Figure 1*.
- Step 4. If your unit is equipped with the fuse block for field wiring, go to *Wiring With Fuse Block*. Otherwise, go to *Wiring Without Fuse Block*.



**Figure 1 Install Ring Terminal**

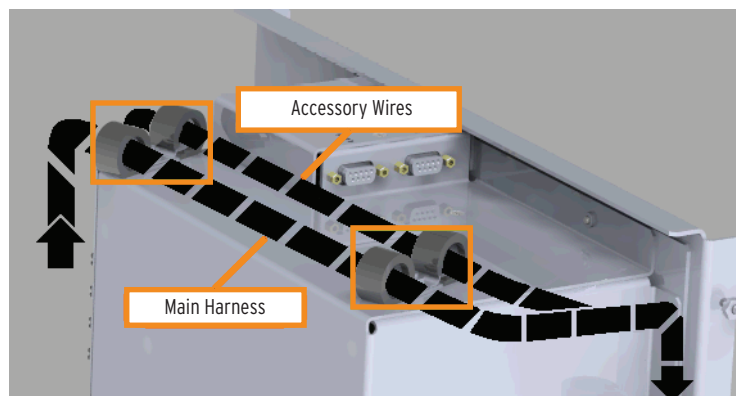
## Wiring Without Fuse Block

Step 1. Form a drip loop and route the harness wires to the left toward the 14-pin connector. See *Figure 2*.



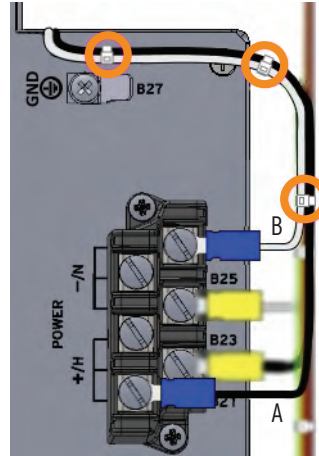
**Figure 2 Form Drip Loop and Route Harness Wires**

- Step 2. Join the 2-pin wires with the main harness and route the wires through the wire loom and up the swing-panel hinge through the existing wire clamps.
- Step 3. Route the wires across the top of the control module. The accessory wires route separately from the main harness.
- Step 4. Use the existing nuts to secure the wires to the top of the control module with the two accessory wire clamps (if they are not already installed). See *Figure 3*.



**Figure 3 Secure Wires on Top of Control Module**

- Step 5. Attach the white wire from the 2-pin cable to the **B26** terminal on the control module and the black wire from the 2-pin cable to **B21** on the control module. See *Figure 4*.



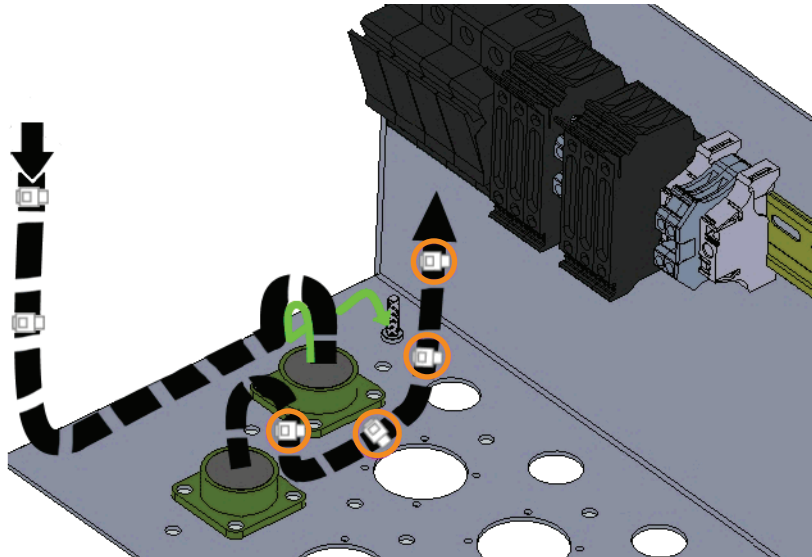
2-Pin Wires:	To:
A (Black Wire)	B21
B (White Wire)	B26

**Figure 4 Attach Wires to Control Module**

- Step 6. Zip tie wires as necessary.

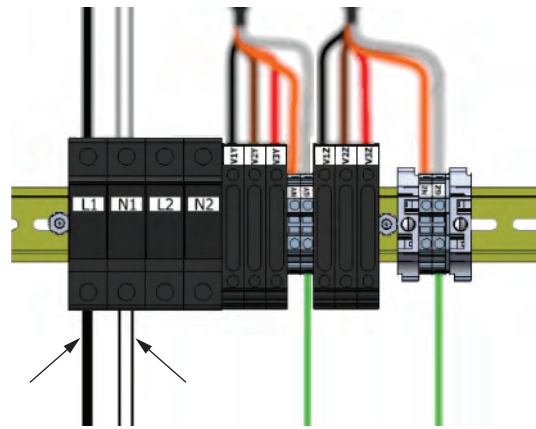
## Wiring With Fuse Block

- Step 1. Form a drip loop and route the harness wires to the bottom of the fuse block for field wiring. See *Figure 5*.



**Figure 5 Route Harness Wires to Bottom of Fuse Block**

- Step 2. Cut the cables to a reasonable length and strip the individual wires about 7/16 of an inch.
- Step 3. Attach the white wire from the 2-pin cable to the **N1** fuse on the fuse block for field wiring and the black wire from the 2-pin cable to the **L1** fuse on the fuse block for field wiring. See *Figure 6*.



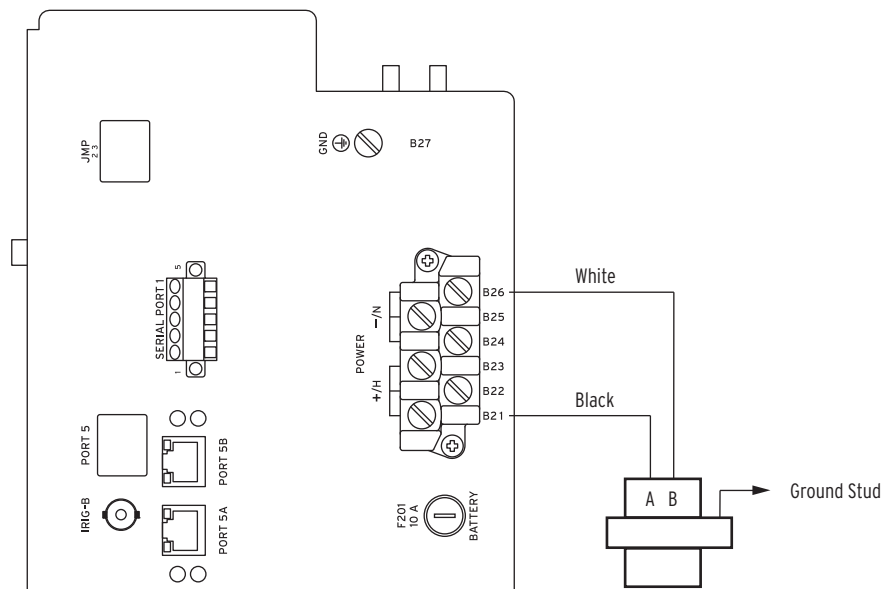
2-Pin Wires:	To:
Black Wire (A)	L1
White Wire (B)	N1

**Figure 6 Attach Wires to Fuse Block**

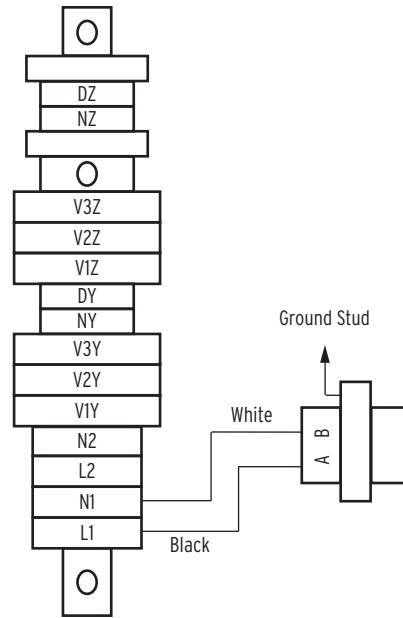
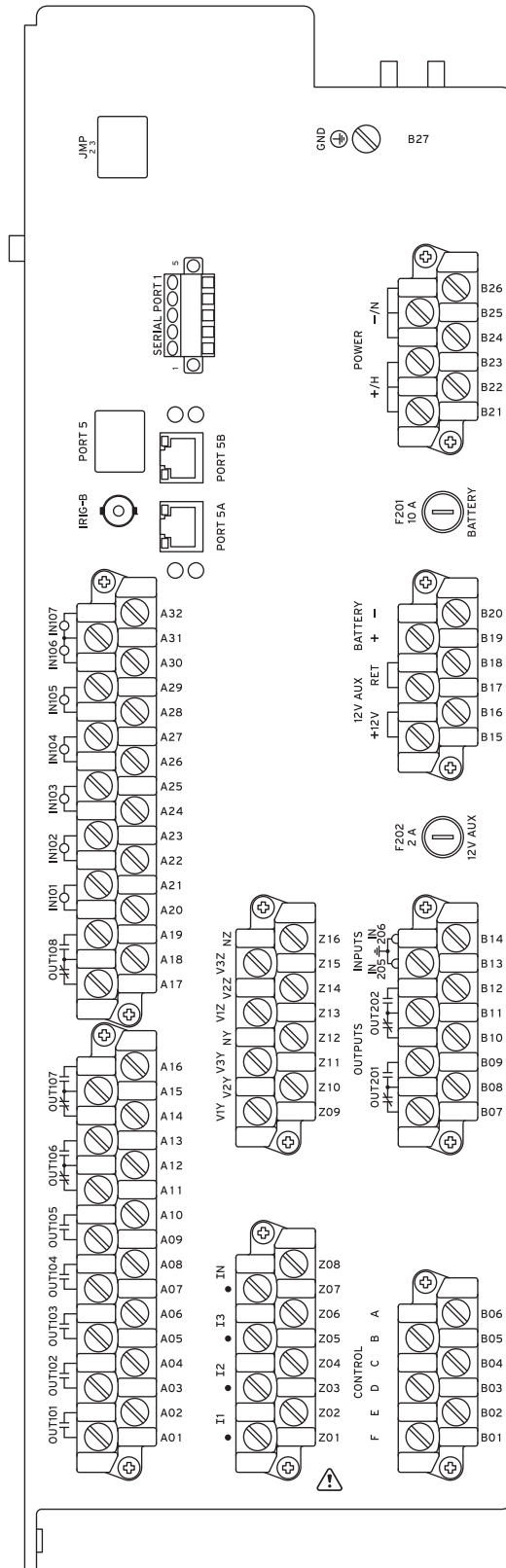
Step 4. Zip tie wires as necessary.

## Wiring Diagrams

### Without Fuse Block



## With Fuse Block



Wiring between fuse block and control module not shown.

## Technical Support

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We appreciate your interest in SEL products and services. If you have questions or comments, please contact us at:

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# Notes

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**⚠ WARNING**

Operator safety may be impaired if the device is used in a manner not specified by SEL.

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