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882D Belt Scale Integrator

Relay Option Card

The Relay Card (PN 164974) provides four 3 Amp dry contact outputs for switching 250 VAC or 30 VDC.

See the 882D technical manual (PN 184260) for complete instruction on opening the enclosure and the necessary ports for plugging into 882D CPU board.



Manuals and additional resources are available from the Rice Lake Weighing Systems website at www.ricelake.com

Warranty information can be found on the website at www.ricelake.com/warranties



WARNING

Always disconnect power before opening the enclosure. Option card is not hot swappable.



CAUTION

A grounding wrist strap must be worn to protect components from electrostatic discharge (ESD) when working inside the 882D enclosure.

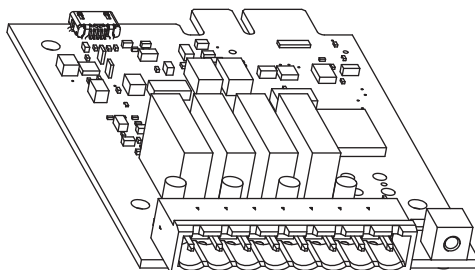


Figure 1. Relay Option Card Kit (PN 190529)

The included parts kit contains items used for installation of the card. See the 882D technical manual for more information on shield grounding.

Part No.	Description	Qty
164974	Board Assembly, Relay Com	1
190926	Parts Kit (*includes the parts listed below)	1
*15130	Washer, Lock NO 6 Type A (used for stud grounding)	1
*15631	Cable Tie, 3 inch Nylon (secures cable in panel mount installation)	4
*152381	Connector, 8 Pos Screw Terminal (interface connector)	1
*180826	Nut, M4 x 0.7 Hex (used for stud grounding)	1
*194487	Screw, SEMS Phillips M3 x 6 (secures card to controller assembly)	3
*53075	Clamp, Ground Cable Shield (used for stud grounding)	1

Table 1. Relay Option Card Kit Parts List

Use the following instructions to install and configure the relay option card.

1. Disconnect power to the 882D.
2. Open the enclosure as instructed in the 882D technical manual.
3. Connect the card to slot 1 (J8) or slot 2 (J9).



Note

Rice Lake Weighing Systems also offers interface option cards that must be used in slot 1. The relay option card must be used in slot 2 if an interface option card is also in use.

4. Secure with the three provided M3 screws.
5. Route the cable and make the connection to the option card.

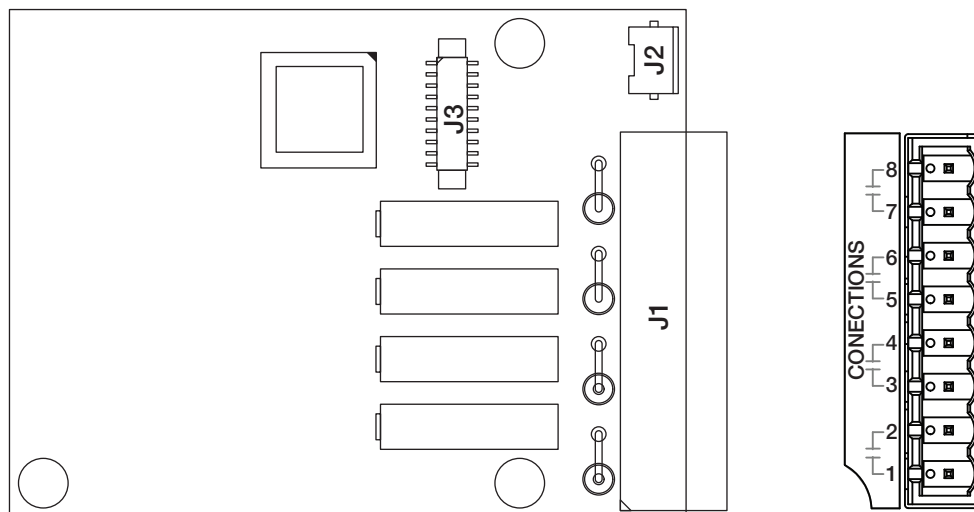


Figure 2. Relay Option Card

Connector J1		
Pin	Signal	
1	K1	Common
2	K1	Normally Open
3	K2	Common
4	K2	Normally Open
5	K3	Common
6	K3	Normally Open
7	K4	Common
8	K4	Normally Open

Table 2. Pin Assignments



Note

The slot of the controller assembly that is selected for the installation of the card determines the outputs available.

Slot 1 = Slot 1 Channel 1-4

Slot 2 = Slot 2 Channel 1-4

6. Ensure no excess cable is left inside the enclosure and use the provided cable ties to secure loose cables inside the enclosure as needed.
7. Ground the shield cable using the grounding stud on the enclosure with the included cable clamp.
8. Tighten the cord grip and cord grip nut.
9. Reconnect power to the 882D.

Specifications

4 SPST	Normally Open Dry Contact Relays 250 VAC @ 3A 30 VDC @ 3A
Relay Protection	The use of external fusing to limit current is recommended. Relay COM-NO are transient protected to 400V @ 600W
Relay Contacts	Displayed as Slot #n, Bit 1-4 in the Digital I/O or Setpoints menu.



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