1280 Enterprise Series

Relay Card Installation

The Relay Card (PN 164689) provides four 3 Amp dry contact outputs for switching 250 VAC or 30 VDC.

Manuals can be viewed and downloaded from the Rice Lake Weighing Systems website at www.ricelake.com

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

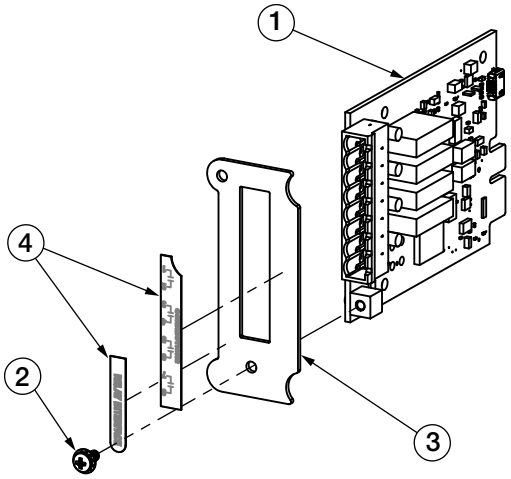

Figure 1. Relay Card Kit

Item No.	Part No.	Description	Qty
1	163407	Board Assembly, 1280 Single Com	1
2	14822	Screw, Mach 4-40 NCx1/4	1
3	163409	Face Plate, Option Card	1
4	167191	Label, Single A/D Scale Opt 1280	1

Table 1. Relay Card Kit Parts List

The included parts kit contains items used for installation of the card. Items listed for stud grounding of the shields pertain to the panel mount enclosure. See the 1280 technical manual for more information on shield grounding.

Part No.	Description	Qty
14621	Nut, Kep 6-32NC HEX (used for stud grounding)	1
14822	Screw, Mach 4-40 NCx1/4 (secures card to controller assembly)	1
15130	Washer, Lock NO 6 Type A (used for stud grounding)	1
152381	Connector, 8 Pos Screw Terminal (interface connector)	1
15631	Cable Tie, 3 inch Nylon (secures cable in panel mount installation)	4
53075	Clamp, Ground Cable Shield (used for stud grounding)	1

Table 2. Parts Kit (PN 164696)

WARNING *Always disconnect power before opening the indicator. Option card is not hot swappable.*

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

1. Open the indicator as instructed in the 1280 technical manual.
2. Remove a slot cover plate from the controller assembly to open a slot for the card.
3. Align the card to the slot; the screw hole in the faceplate of the card should align with the screw hole on the controller assembly.
4. Slide the card into the top and bottom grooves of the slot. Push the card until it is securely seated in the back plane.
5. Secure with screw 4-40 NC x 1/4 (provided).

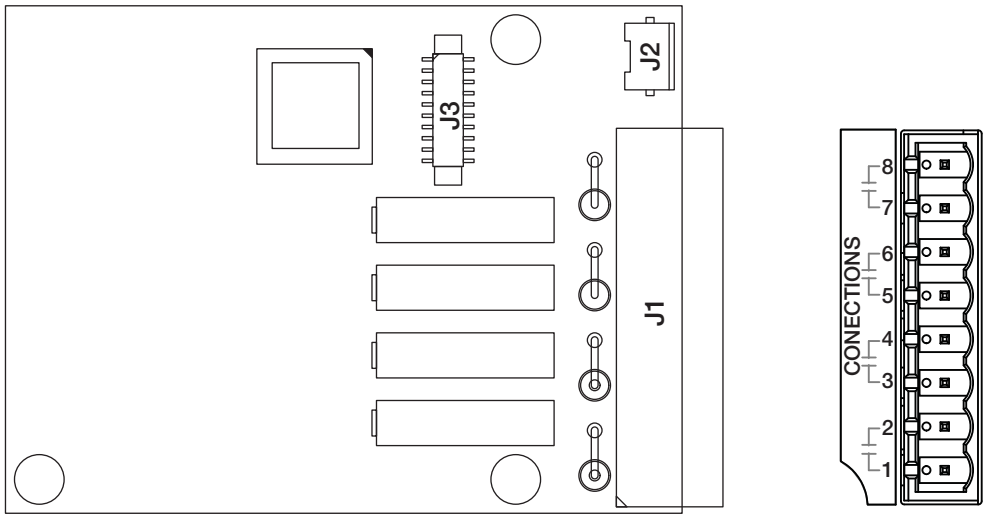

Figure 2. Relay Card

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 3. Pin Assignments

Note *The slot of the controller assembly that is selected for the installation of the card will determine the outputs available.*

Slot 1 = Slot 1 Channel 1-4

Slot 2 = Slot 2 Channel 1-4

Slot 3 = Slot 3 Channel 1-4

Slot 4 = Slot 4 Channel 1-4

Slot 5 = Slot 5 Channel 1-4

Slot 6 = Slot 6 Channel 1-4

6. Use cable ties from the parts kit to secure loose cables inside the enclosure as needed. Ensure no excess or loose cable is left inside the enclosure.
7. Ground the shield cable using the ground washer in the metal cord grip, or use the grounding stud on the enclosure with cable clamp included in the parts kit. See the 1280 technical manual for more information.
8. Tighten cord grips. Ensure cord grip nut is also tight.
9. Reassemble and power the indicator.
10. Press ≡ on the weigh mode screen. The ***Main Menu*** will display.
11. Press Configuration for access to the Configuration menu.

Note *Access to the Configuration menu may be restricted. Refer to the 1280 technical manual for more information.*

12. To configure the relay card, select I/O and the slot from the selection field drop down list.
13. Select ***Output*** to enable the functionality for each channel. Default setting is ***Off.***

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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January 19, 2016 PN 164659 Rev A