880 and 882D Digital Weight Indicators

Panel Mount Option

The 880 and 882D indicators with universal enclosures (typically with numeric keypad and tilt stand) can be panel mounted with a kit (PN 177850). This document discusses the process of panel mounting 880 or 882D indicators with universal enclosures.

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: Disconnect power to indicator before installing in panel mount kit.**

📝 **NOTE: For more information about 880 and 882D indicators, see:**
- *880 Performance™ Series Technical Manual (PN 158387)*
- *882D Belt Scale Integrator Technical Manual (PN 184260)*

Parts Breakdown

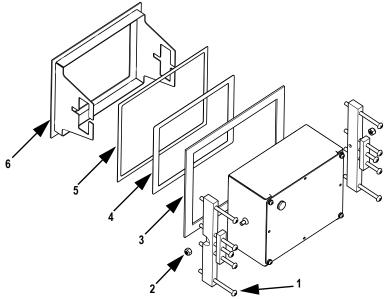This section lists parts provided in the panel mount option kit (PN 177850):

Figure 1. Panel Mount Kit

Item No.	Part No.	Description	Qty
1	166164	Clamp ASSY, Panel Mount	2
2	14634	Nut, Lock 1/4-20NC Hex	2
3	180558	Plate, 880 Reinforcement	1
4	177870	Gasket, Interior Bezel	1
5	177869	Gasket, Exterior Bezel	1
6	180574	Bezel Bracket	1

Table 1. Panel Mount Kit

📝 **NOTE: If the seal is installed properly, it should be dust tight. However it is not intended for washdown applications.**

Installation

Perform the following to install an indicator in the panel mount kit:

1. If attached, remove the tilt stand from the indicator enclosure. For more information, see indicator Technical Manual.

2. Place reinforcement plate on required position on panel and carefully trace inside. Ensure cutout will be far enough from panel edge to accommodate bezel dimensions (9.19 in W x 7.49 in H / 233 mm W x 190 mm H) and install clamping assembly.
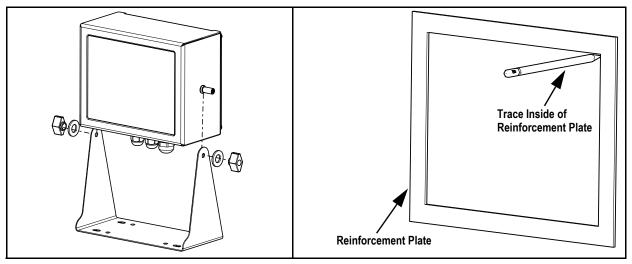

Trace Inside of Reinforcement Plate

Reinforcement Plate

Figure 2. Remove Tilt Stand and Trace Cutout Lines

3. Remove reinforcement plate and retain for later. Cutout traced lines on panel to make a 7.05 in W x 5.51 in H (179 mm W x 140 mm H) opening in the panel.

> **NOTE:** *If panel mounting multiple units, ensure they are horizontally apart 11 in on center or vertically 10.5 in on center.*

4. Peel adhesive backing from the bezel gaskets, then press bezel into the panel cutout.
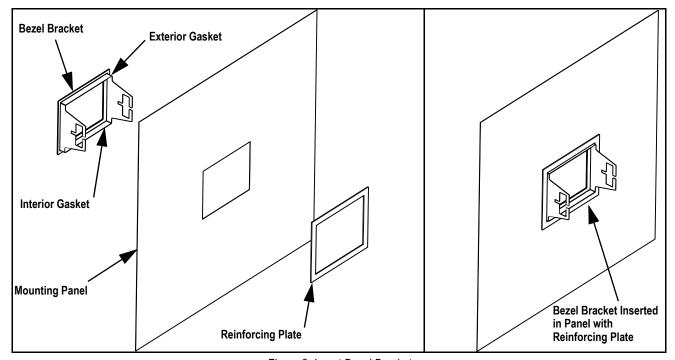5. Place the reinforcing plate over the bracket from the inside of the panel.

Bezel Bracket

Exterior Gasket

Interior Gasket

Mounting Panel

Reinforcing Plate

Bezel Bracket Inserted in Panel with Reinforcing Plate

Figure 3. Insert Bezel Bracket

6. Follow the indicator's Technical Manual to install cabling and back plate of the indicator.

7. Insert the indicator into the panel mount bezel from the inside panel. Align the mounting studs to the slot in the bracket.

8. Place one clamp assembly over the mounting stud.

9. Install one 1/4-20NC lock nut on the mounting stud, tighten only until the locking feature is engaged and the nut does not rotate off the stud. The clamp assembly will be able to rotate on the stud. Do not over tighten, this contact must slide when the clamp is applied in Step 10.
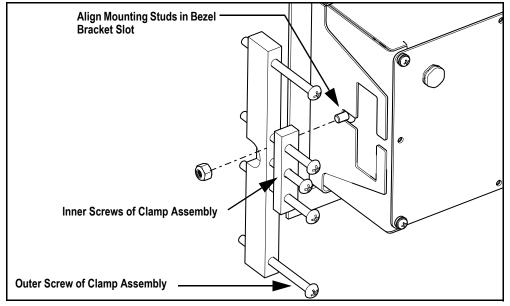

Figure 4. Install Indicator

10. Tighten the inner screws of the clamp assembly (see Figure 4), engaging the clamp bar in the bezel bracket while the indicator presses tight against the inner bezel gasket.

11. Tighten the outer screws of the clamp assembly until the bezel is held loosely against the panel.

12. Repeat Steps 8 through 11 for opposite side with remaining clamp and nut.

13. Tighten inner and outer screws of both clamp assemblies until the front bezel is held securely against the front surface of the panel.
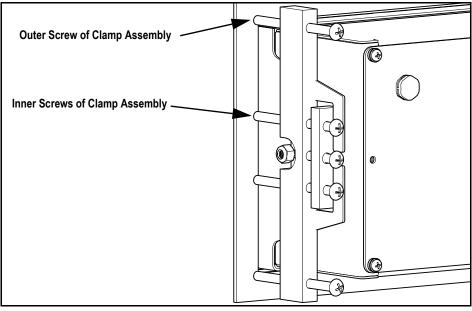

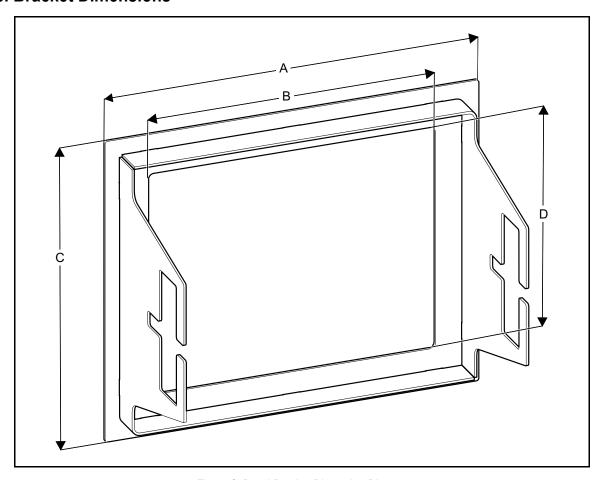
Figure 5. Tighten Clamp Assembly

Bezel Bracket Dimensions

Figure 6. Bezel Bracket Dimension Diagram

A	B	C	D
9.19 in (233 mm)	7.05 in (179 mm)	7.49 in (190 mm)	5.51 in (140 mm)

Table 2. Bezel Bracket Dimensions