

## UMC 800 Type 4X Panel Mounting Kit 51500452 Installation Instruction

### Document Number

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### Summary

Use this kit to make your UMC800 panel-mounted Operator Interface a Type 4X enclosure. The enclosure is hinged and has 2 removable plastic screws (1/4 turn) for access. You can install the enclosure with the hinge at the top or bottom depending on your preference.

### Kit Contents

This kit contains the following parts.

- See-through polycarbonate enclosure (1)
- ¼ turn winged head cover screws for opening/closing enclosure (2)
- M6 x 35 mm slotted pan head screw for attaching enclosure (4)
- Panel mount brackets for mounting Operator Interface to panel (2)
- M6 x 10 mm hex cap screw for attaching brackets to Operator Interface (2)
- Bushings between enclosure and panel (4)
- M6 external star lockwashers (6 total: 4 for enclosure, 2 for brackets)
- M6 flat washers (6 total: 4 for enclosure, 2 for brackets)

### Installation Procedure

Follow the procedure in Table 1 to install the enclosure.

**Table 1 – Enclosure Installation**

Step	Action
1	<p>See Figure 1. Using the outer dimensions of the enclosure outline, check that your panel can accommodate the enclosure. Check for clearance from adjacent panel mounted instruments.</p> <p>Check for clearance to open the enclosure door. The hinge can be at the top or bottom depending on your preference. To open the enclosure door 90 degrees, you need 1½" (38mm) additional clearance measured perpendicularly from the hinge side of the enclosure. To open the door 180 degrees, you need 7¾" (197mm) additional clearance.</p>
2	<p>If you already have an Operator Interface (OI) installed, disconnect power and wiring and remove the OI from the panel. This is needed to make proper measurements for step 4. Discard the existing bracket and mounting hardware.</p>
3	<p>See Figure 1. If you do not have an Operator Interface (OI) installed, measure, mark, and cut a hole for the OI.</p>
4	<p>Measure, mark, and drill 4 holes according to Figure 1. These holes accommodate the 4 bolts of the enclosure.</p>
5	<p>Insert the OI into the panel cutout.</p>
6	<p>From the rear attach the panel brackets to top and bottom of OI using flat washer, star washer, and hex bolt. Hand tighten. See Figure 2.</p>
7	<p>Orient the enclosure with hinge at bottom or top depending on your preference. Install bushings on the enclosure bolts between enclosure and panel. Insert the 4 bolts through the 4 panel holes and through the 4 holes of panel brackets.</p>
8	<p>Attach flat washer, star washer, and hex nut on each of the 4 bolts. Check that enclosure is snug against front of panel with no gaps. Tighten to 1 ft.-lb. (1.4 N-m).</p>
9	<p>Press OI snugly against front of panel. Tighten 2 hex bolts to secure panel brackets (top and bottom).</p>
10	<p>Attach power and wiring to OI. Refer to OI user manual for details.</p>

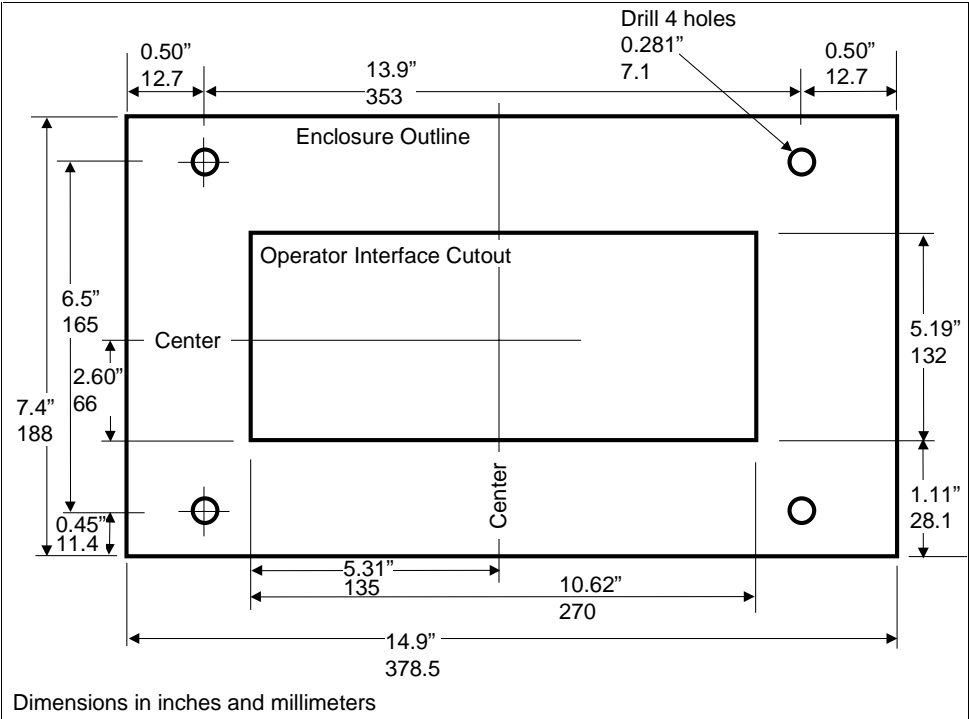


Figure 1 Measurements for enclosure

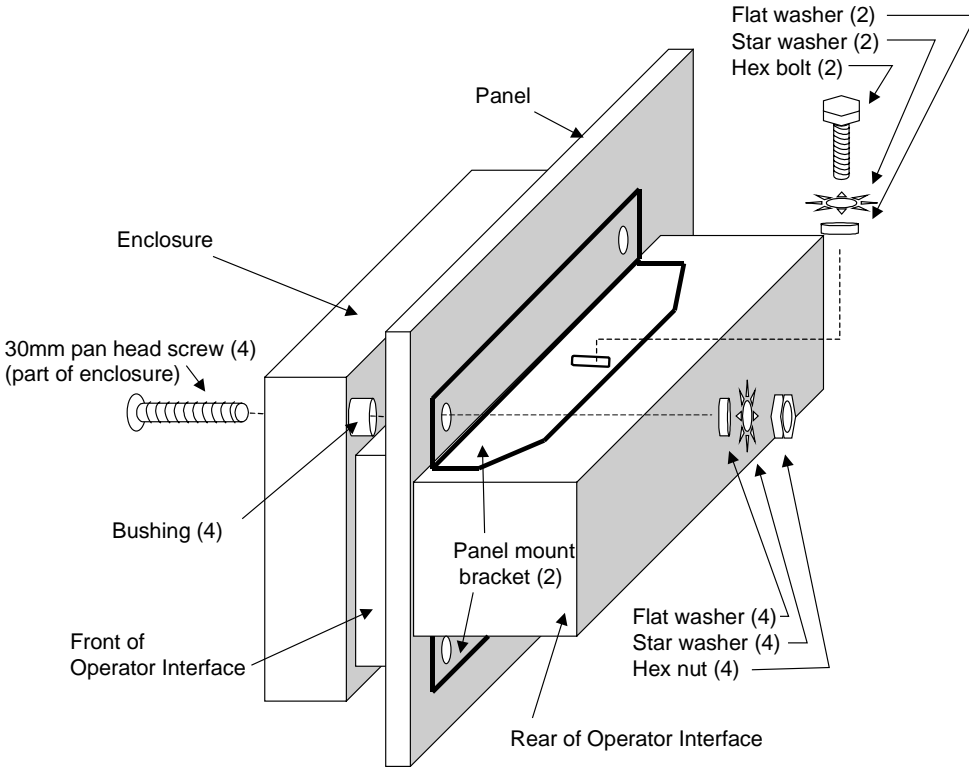


Figure 2 Mounting

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### Sensing and Control

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