

Part Numbers: UUX000458 (blank overlay), UUX000459 (Yaskawa logo overlay).

Applicability: F7, G7, P7, E7

Introduction: This kit is designed to provide the functionality of the digital operator on an enclosure designed for a NEMA Type 1, 3R, 4, 4X, 12, or IPX6 environment. Refer to UL file number E131457 for details. This guide is divided into three sections detailing the kit parts, chemical resistance, and kit installation.

 **WARNING**

HAZARDOUS VOLTAGE CAN CAUSE SEVERE INJURY OR DEATH. LOCK ALL POWER SOURCES TO THE DRIVE IN THE "OFF" POSITION.

 **CAUTION**

- To prevent physical damage to the Drive, read these instructions thoroughly before installing.
- Partially tighten and torque all hardware prior to tightening to the rated torque specifications.
- Tighten the screws in a cross-like pattern to prevent damage to the threads.
- Do not exceed the recommended torque values as described in the instructions.

Receiving: Unpack the option kit and verify that all components are present and undamaged.

Included Part List (Either Kit)	Quantity
Installation Guide (IG.AFD.72)	1
1:1 Cutout Template (UDM00201)	1
Mounting Bracket Subassembly	1
M3 x 6 screw	2
Operator Z-Bracket	2
#8-32 nut w/captive washer	4
#10-32 nut w/captive washer	6
Digital Operator Cable 3ft	1
Digital Operator Cable 10ft	1

Note: Please carefully remove the protective pink plastic from the mounting bracket membrane prior to kit installation.



Chemical Resistance: The materials used in this kit were chosen specifically for resistance to harsh environments. This kit provides short-term protection from many chemicals, including the list below. For additional information, please contact the factory.

- Toluene
- Isopropyl Alcohol
- Cyclohexanone
- Ethyl Acetate
- Xylene
- 40% NaOH
- Concentrated HCl
- Gasoline
- Butyl Cellosolve

Kit Installation:

1. Turn off power to the drive by completely removing power to the enclosure. Wait 5 minutes for capacitor discharge.
2. Unpack and verify the contents of the Digital Operator Remote Mount Kit.
3. Create the cutout at the desired location on end-use enclosure as shown below. Please use the 1:1 cutout template (drawing UDM00201) included in this kit. Note that 3.0" clearance is required behind the operator kit to allow for cable routing. All dimensions +/- 0.03".

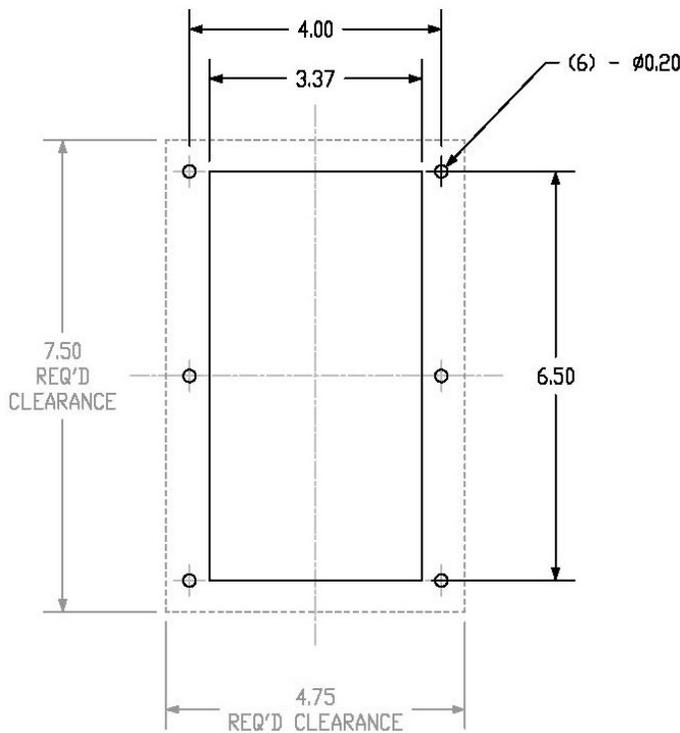


Figure 1a – Cutout Drawing

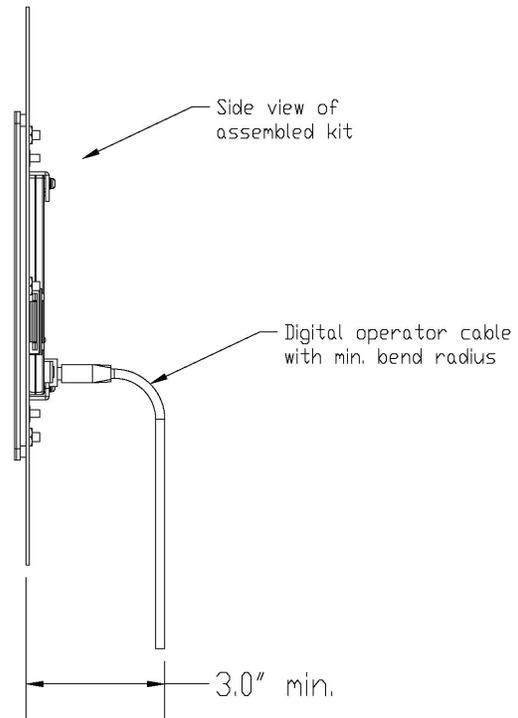


Figure 1b – Side Assembly View Showing Recommended Bending Radius (Depth)



4. Assemble each Z-Bracket (qty. 2) to the backside of the Digital Operator (not included in kit). Use the provided M3x6 screws and tighten to 7 lb-in (0.79 N-m). See Figure 2 below.

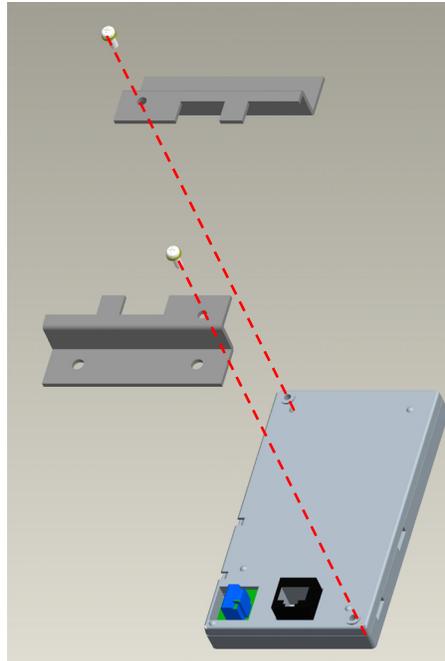


Figure 2 – Z-Bracket Subassembly

5. Mount the Z-Bracket Subassembly from the previous step to the Mounting Bracket Subassembly. Use the provided #8-32 nuts and tighten to 18 lb-in. (2.03 N-m). See Figure 3 below.

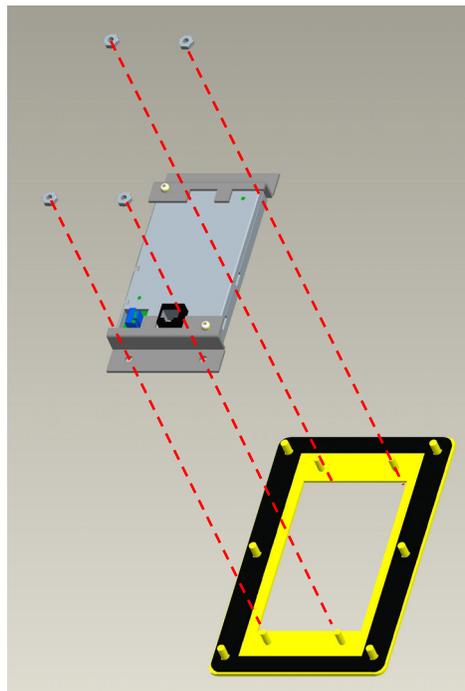


Figure 3 – Mounting Bracket Assembly



6. Complete installation by attaching the completed assembly to the end-use enclosure according to Figure 4 below. Use the provided #10-32 nuts and tighten to 30 lb-in. (3.39 N-m). Tighten the screws in a cross-like pattern to prevent damage to the threads and to assure proper sealing.

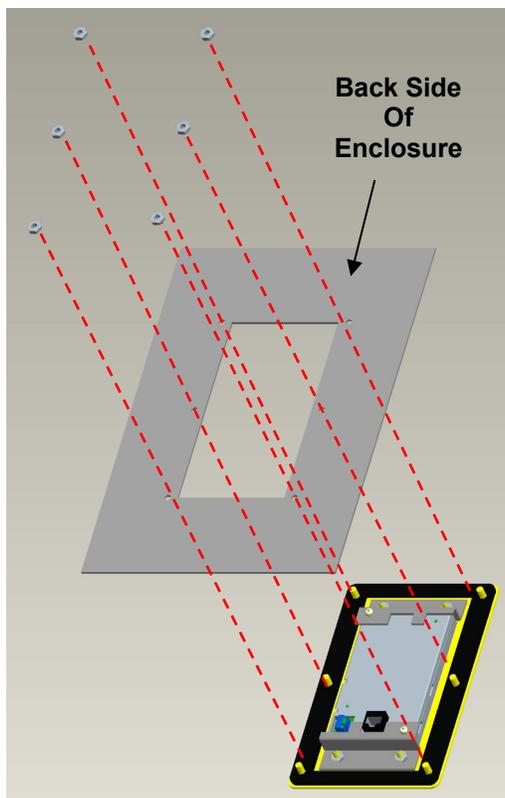


Figure 4 – Final Assembly

7. Attach one end of the digital operator cable (3ft and 10ft cables included) to the female connector on the backside of the digital operator. Attach the other end of the digital operator cable to the female connector on the front of the drive. The location of the connector on the drive varies with drive size.
8. Place this installation guide with the drive's technical manual.

