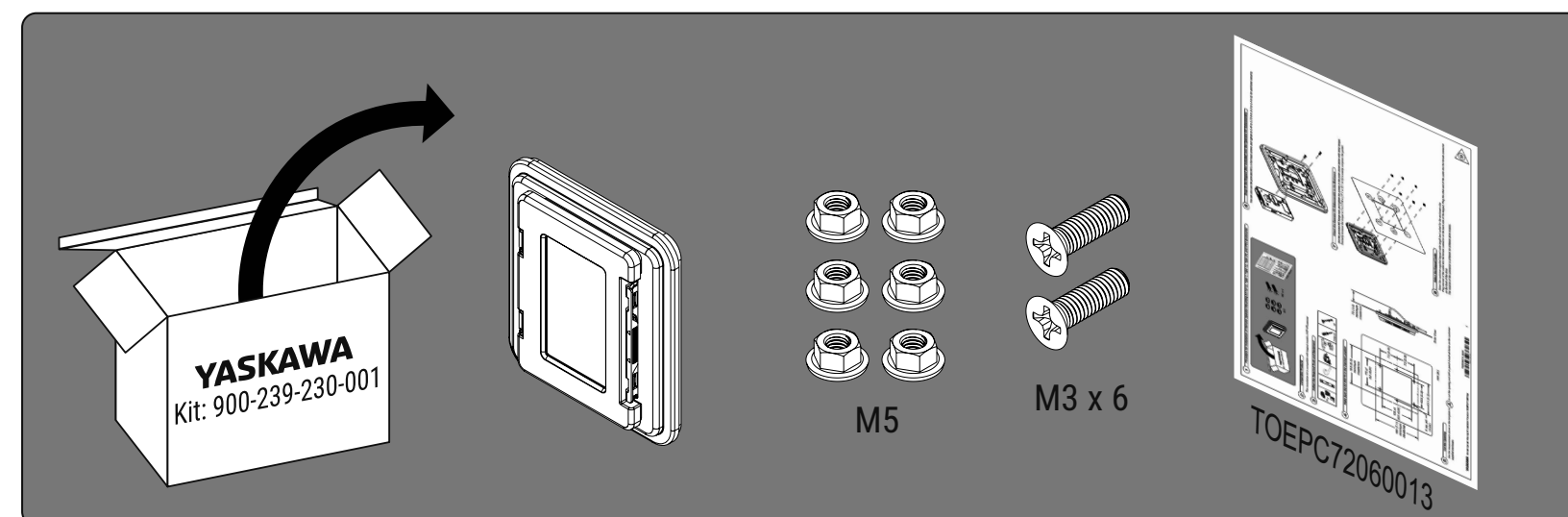


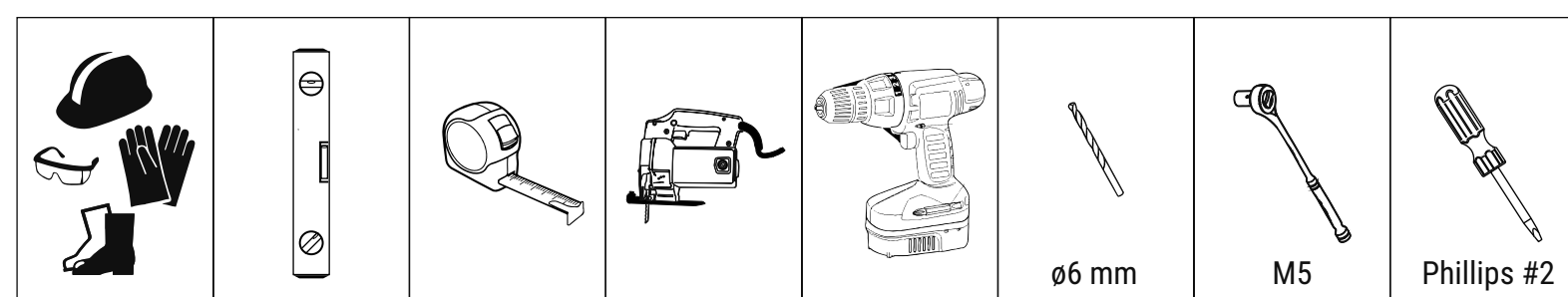
# 1 Procedure for Installation of Remote Keypad Mounting Kit for UL Type 1, Type 12, Type 3R, and IP55 Enclosures



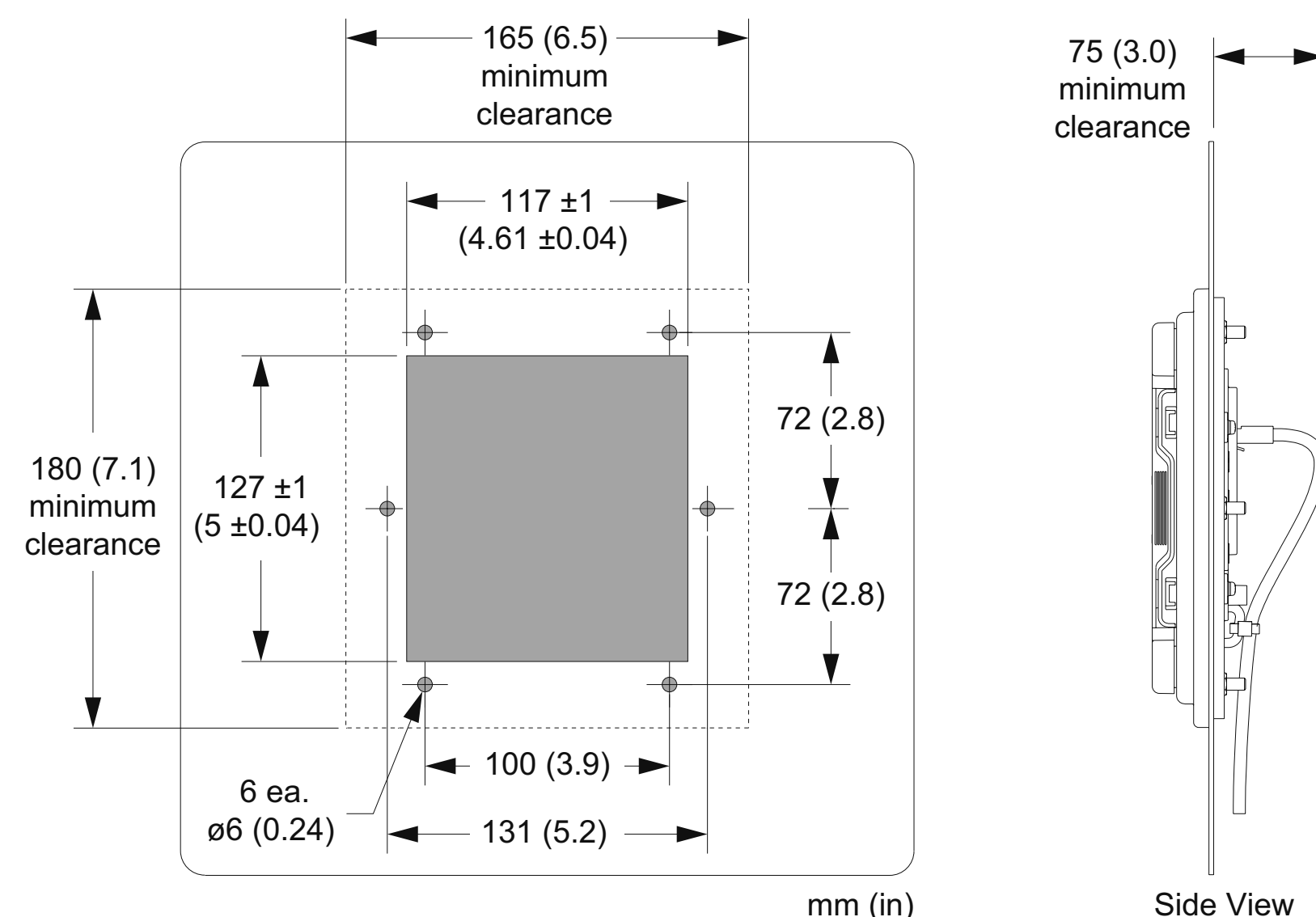
## 2 Compatible Products

This installation kit is compatible with keypad models JVOP-KPLxxxxxx. Please refer to the Installation Manual packaged with the drive or keypad when you install this option.

## 3 Collect the Required Tools and Equipment



## 4 Make Sure the Kit Will Fit in the Desired Location



**NOTICE** Measure the printed dimensions before you drill the screw holes. Moisture can cause the template scale to change.

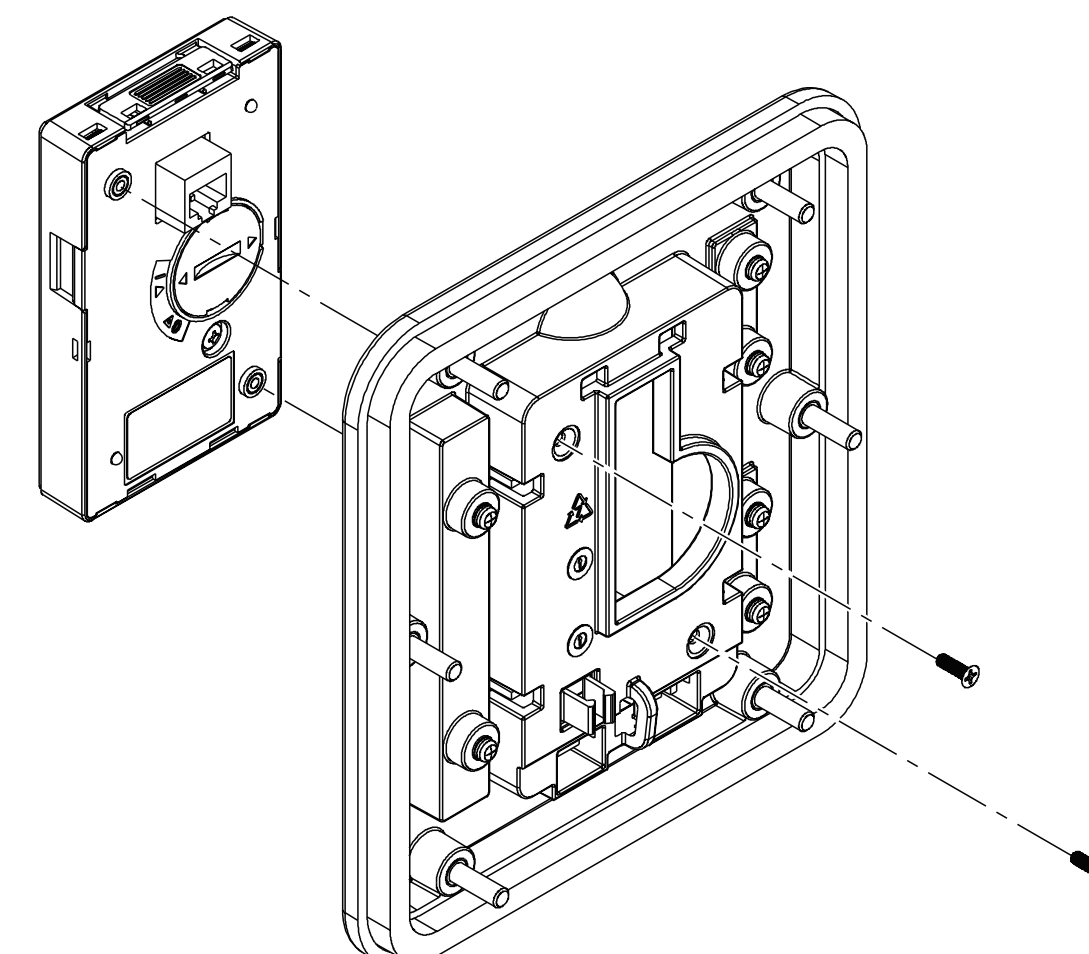
**⚠ DANGER** Electrical Shock Hazard. Do not connect or disconnect wiring while the power is on. Failure to comply will result in death or serious injury. Before servicing, disconnect all power to the equipment. The internal capacitor remains charged even after the power supply is turned off. The charge indicator LED will extinguish when the DC bus voltage is below 50 Vdc. To prevent electric shock, wait for at least the time specified on the warning label, once all indicators are OFF, measure for unsafe voltages to confirm the drive is safe prior to servicing. Failure to comply will result in death or serious injury.

## 5 Cut the Opening

Use the measurements above or the template in **A** to cut the opening and drill or punch 6 each Ø6 holes on the customer-supplied enclosure.

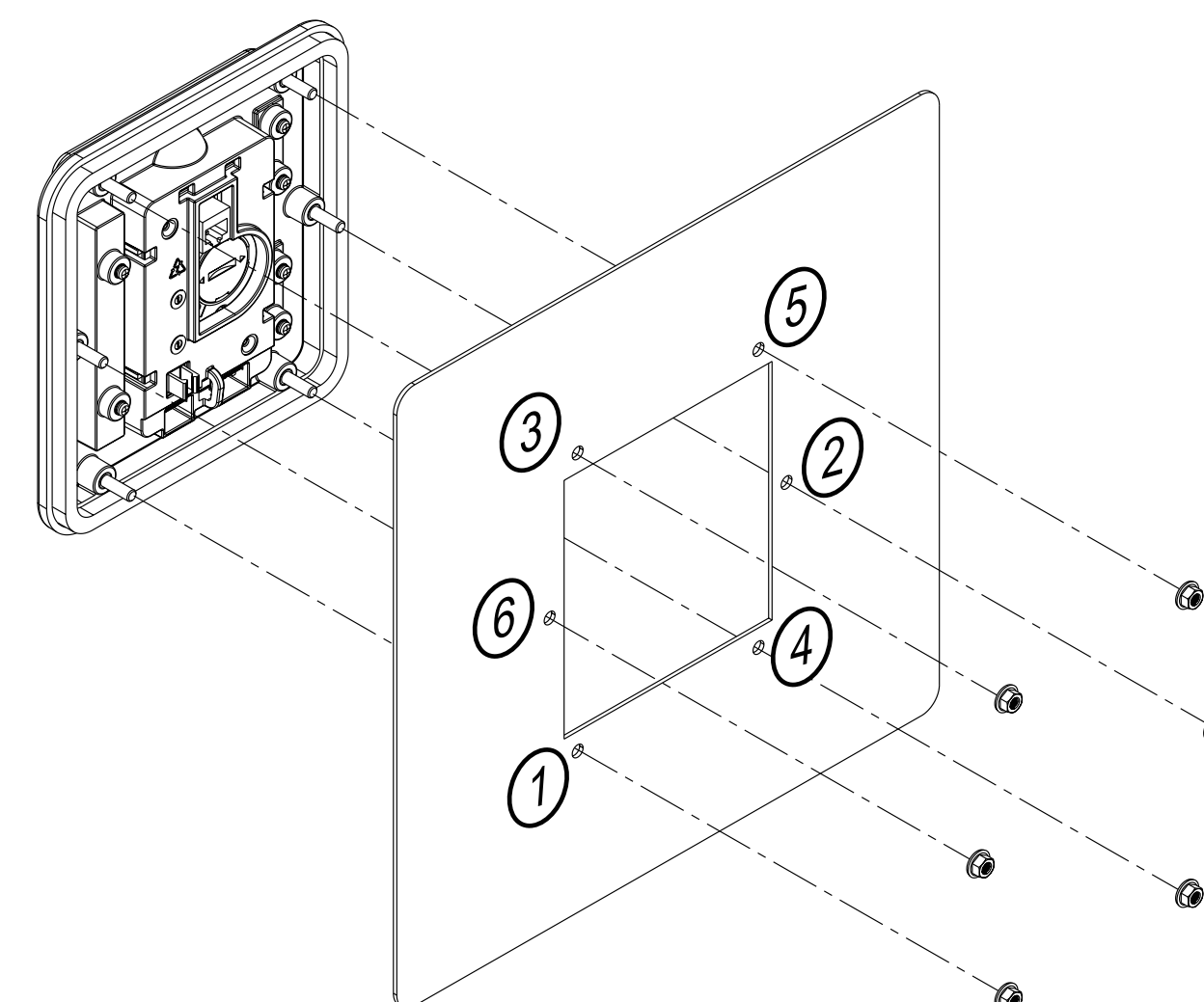
## 6 Snap-fit the Keypad (Not Included) into the Keypad Kit Subassembly

You can also use the provided M3 x 6 flat head screws and tighten to 0.49 to 0.73 N•m (4.3 to 6.4 in•lb) for additional security.



## 7 Attach the Keypad Kit Subassembly to the Enclosure

Use the provided M5 flange nuts and tighten the screws in the order shown below with initial torque. Gradually increase the torque to 2 to 2.5 N•m (17.1 to 22.1 in•lb) to evenly compress the gasket.



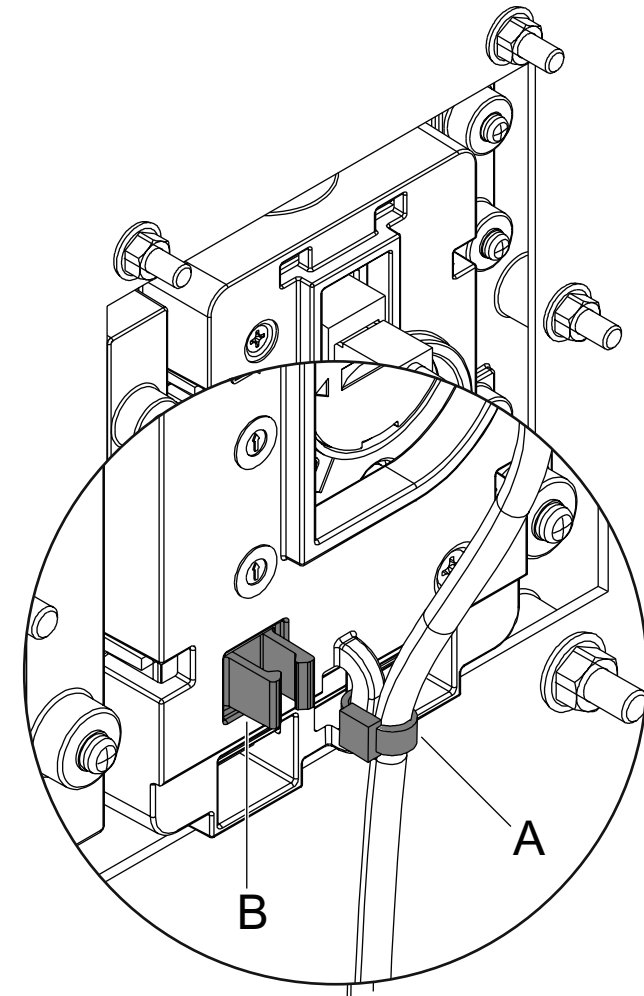
## 8 Select the Keypad Cable

Select the customer-supplied keypad cable length best suited for the enclosure size. Plug one end of the cable into the female connector on the back side of the keypad. Plug the other end of the cable into the female connector on the front of the drive. The location of the connector is different for different drive models.

## 9 Safety the Cable to the Subassembly

Either use a cable tie to connect the keypad cable to the loop on the subassembly or put the keypad cable into the snap fit connector on the subassembly.

Protect the cable from sharp edges and make sure that the cable does not pinch in the enclosure door.



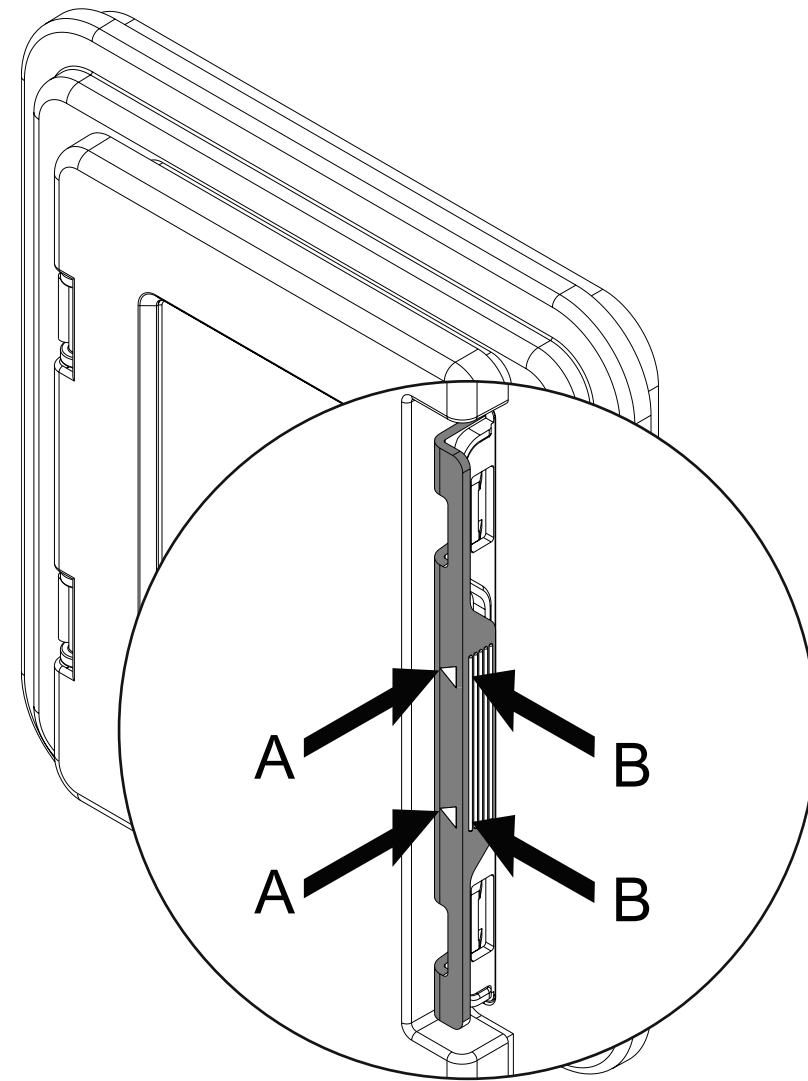
A - Cable tie to loop  
B - Use snap fit

## 11 Test the Keypad

Apply main power to the drive and make sure that the keypad functions correctly. Refer to the keypad installation manual or the drive installation manual for more information.

**WARNING** Sudden Movement Hazard. Remove all personnel and objects from the area around the drive, motor, and machine and attach covers, couplings, shaft keys, and machine loads before you energize the drive. If personnel are too close or if there are missing parts, it can cause serious injury or death.

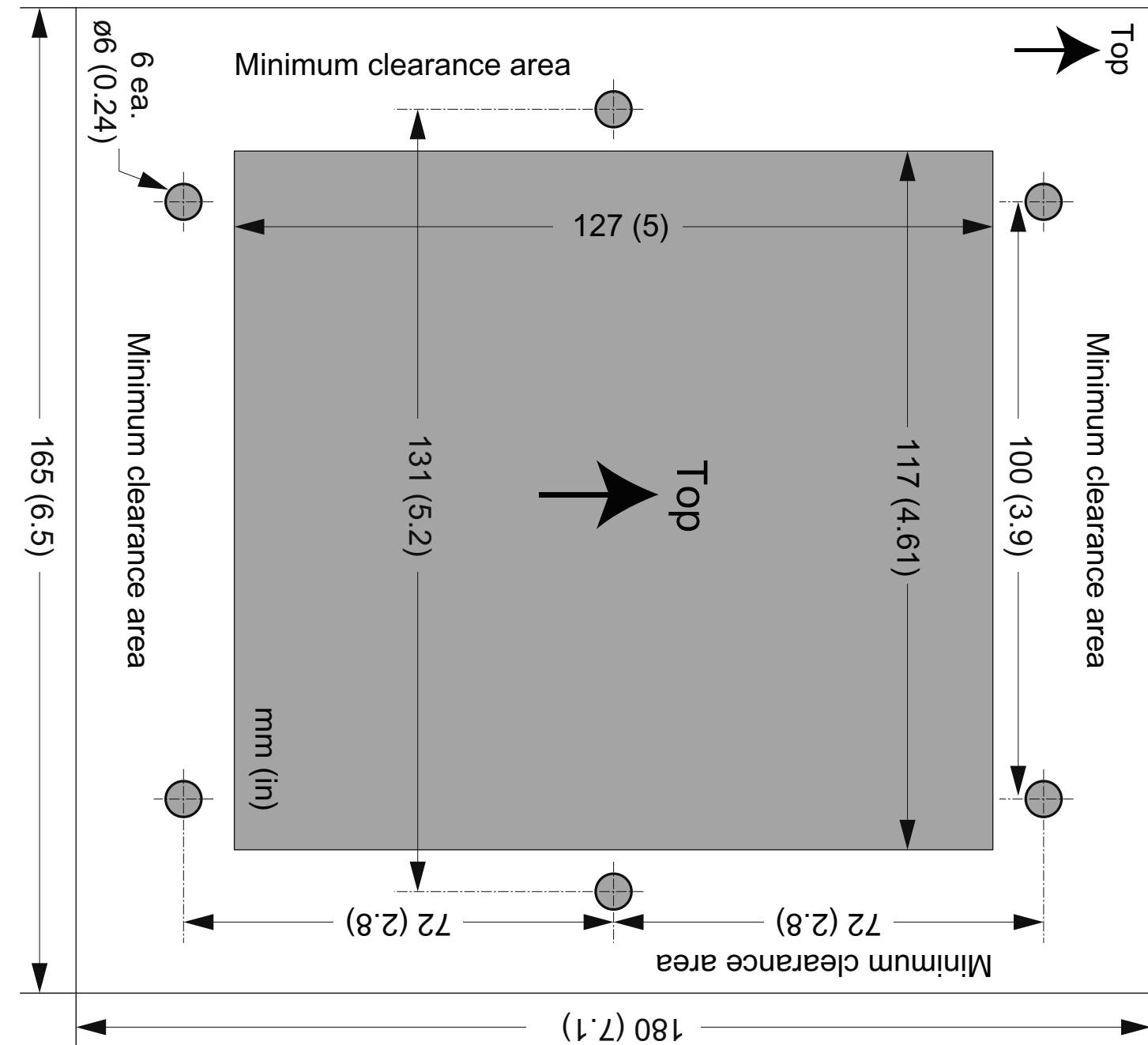
## 10 Make Sure that the Cover Latch Functions Correctly



A - To close: Push both triangles on this side (2 clicks necessary)  
B - To open: Push both triangles on this side (2 clicks necessary)

## A Drilling and Cutting Template (1:1 Scale)

**NOTICE** Measure the printed dimensions before you drill the screw holes. Moisture can cause the template scale to change.



## YASKAWA AC Drive Option Remote Keypad Mounting Kit For UL Type 1/Type 12/Type 3R/IP55 Enclosures Instruction Manual

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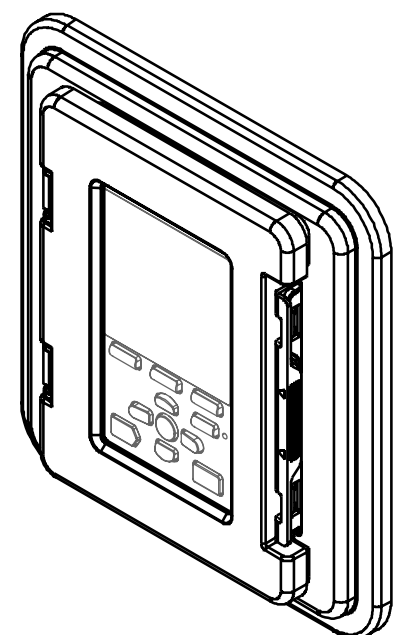
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## YASKAWA

## YASKAWA AC Drive Option Remote Keypad Mounting Kit For UL Type 1/Type 12/Type 3R/IP55 Enclosures Instruction Manual Model: 900-239-230-001

To properly use the product, read this manual thoroughly and retain for easy reference, inspection, and maintenance. Ensure the end user receives this manual.



## YASKAWA

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In the event that the end user of this product is to be the military and said product is to be employed in any weapons systems or the manufacture thereof, the export will fall under the relevant regulations as stipulated in the Foreign Exchange and Foreign Trade Regulations. Therefore, be sure to follow all procedures and submit all relevant documentation according to any and all rules, regulations and laws that may apply. Specifications are subject to change without notice for ongoing product modifications and improvements.

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