



IP55 rating cover for TP-A1 keypad “CTP-A1”

Thank you very much for purchasing the optional IP55 rating cover “CTP-A1” for TP-A1-XXX keypad. This manual describes the installation procedure of this optional cover. By installing this cover with the TP-A1-XXX keypad in the external surface of a switch cabinet, the keypad is protected from dust and water splash, achieving IP55 ingress protection rating.

⚠ CAUTION

- Read through this manual in conjunction with the instruction manual of FRENIC HVAC, FRENIC AQUA, FRENIC Lift, FRENIC Ace inverters and TP-A-XXX keypad, to become familiar with proper handling and correct use.
- Improper installation may result in not fulfilling IP55 rating. Please follow the installation procedures written in this manual.
- This cover can be used only in combination with TP-A1-XXX keypad. Do not attempt to use with other types, even from Fuji Electric.
- Deliver this manual to the end user of this product.
- Failure to heed the information described in this manual may lead to a loss of any liability by Fuji Electric Europe GmbH.

1. Preliminary Checking

When opening the package of this product, check that:

- A plastic cover has been delivered with-2 gaskets and 2 metal positioners attached to the cover, as shown in figure 1.

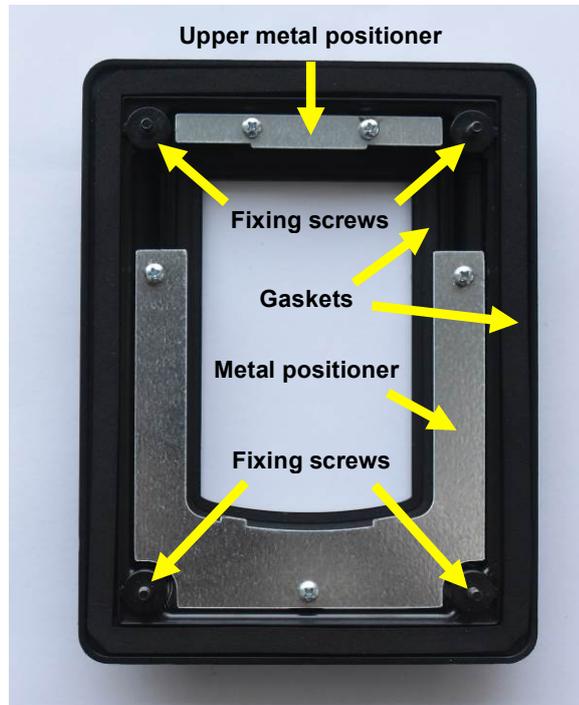
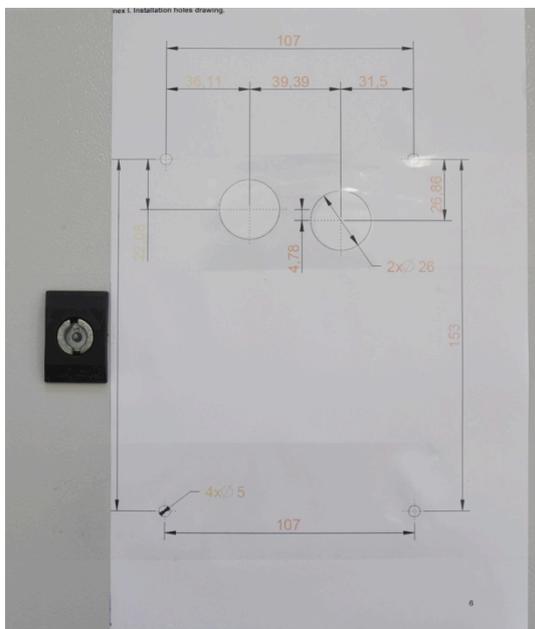


Figure 1. CTP-A1 cover appearance

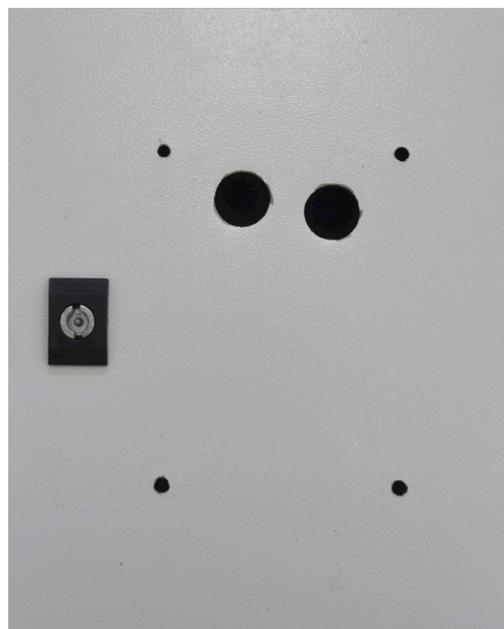
- The cover has no apparent cracks or any deformation.
- 4 fixing screws are already placed in the 4 fixing holes of the cover, as shown in figure 1. These screws can rotate freely without falling apart.
- Metal positioners are in place.

2. Installation Procedure

1. Please refer to the drawing included in the **Annex** of this manual that describes the installation holes of the keypad and the optional cover CTP-A1.
2. Mark the holes on the surface where the keypad and cover will be installed, according to the drawing of Annex I. One possible method is to attach this drawing to the surface of the panel. Please refer to figure 2a below.



2a. Installation holes marked



2b. Installation holes drilled

Figure 2. Making the installation holes.

3. Drill the holes according to the diameters and tolerances described in the drawing of **Annex**. Refer to figure 2b. After drilling, ensure that the surface is clean from shavings and remove the protection tape (if any).
4. Ensure that the upper (small) metal positioner is loose by unfastening slightly the 2 fixing screws, as shown in figure 3 below.



Figure 3. Slightly unfastening the 2 screws of the upper metal positioner

5. Attach the TP-A1-XXX keypad to the CTP-A1 cover and move slightly down the upper metal positioner until it interferes with the upper side of the keypad. Then fasten completely the 2 fixing screws, as shown in figure 4 below. Check that the keypad does not fall apart.

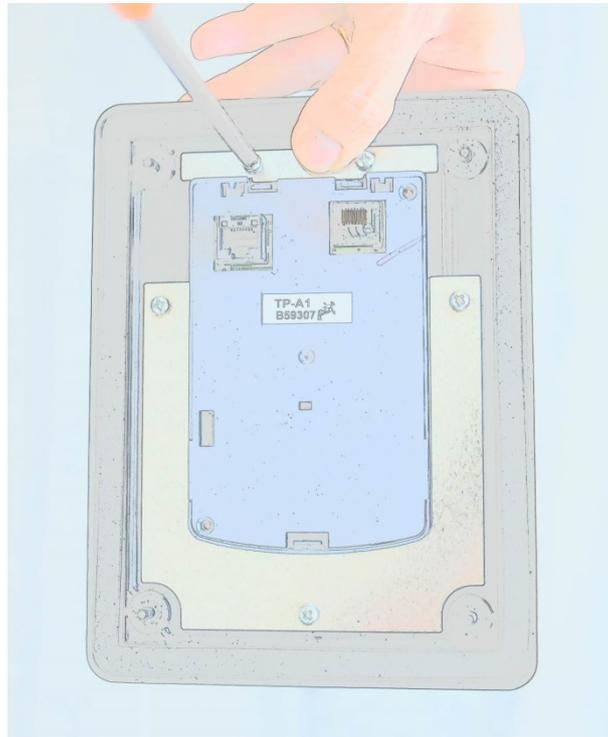


Figure 4. Fastening the 2 screws of the upper metal positioner

6. Attach the cover to the panel, as shown in figure 5.



Figure 5. Attaching the CTP-A1 cover.

7. Fix the CTP-A1 cover, by using the 4 M4 screws (already placed in the cover). Tighten the cover carefully by using 4 M4 nuts and washers (not provided with the package), as shown in figure 6a below. Tighten the nuts until the gasket is completely compressed and can be hardly seen, as shown in figure 6b below. The screws provided are suitable for a panel door thickness up to 2 mm. For panels thicker than 2 mm please consult with Fuji Electric representative.



6a. Fixing nuts and washers (before fastening)



6b. Gasket compressed when fastened

Figure 6. Fixing CTP-A1 cover.

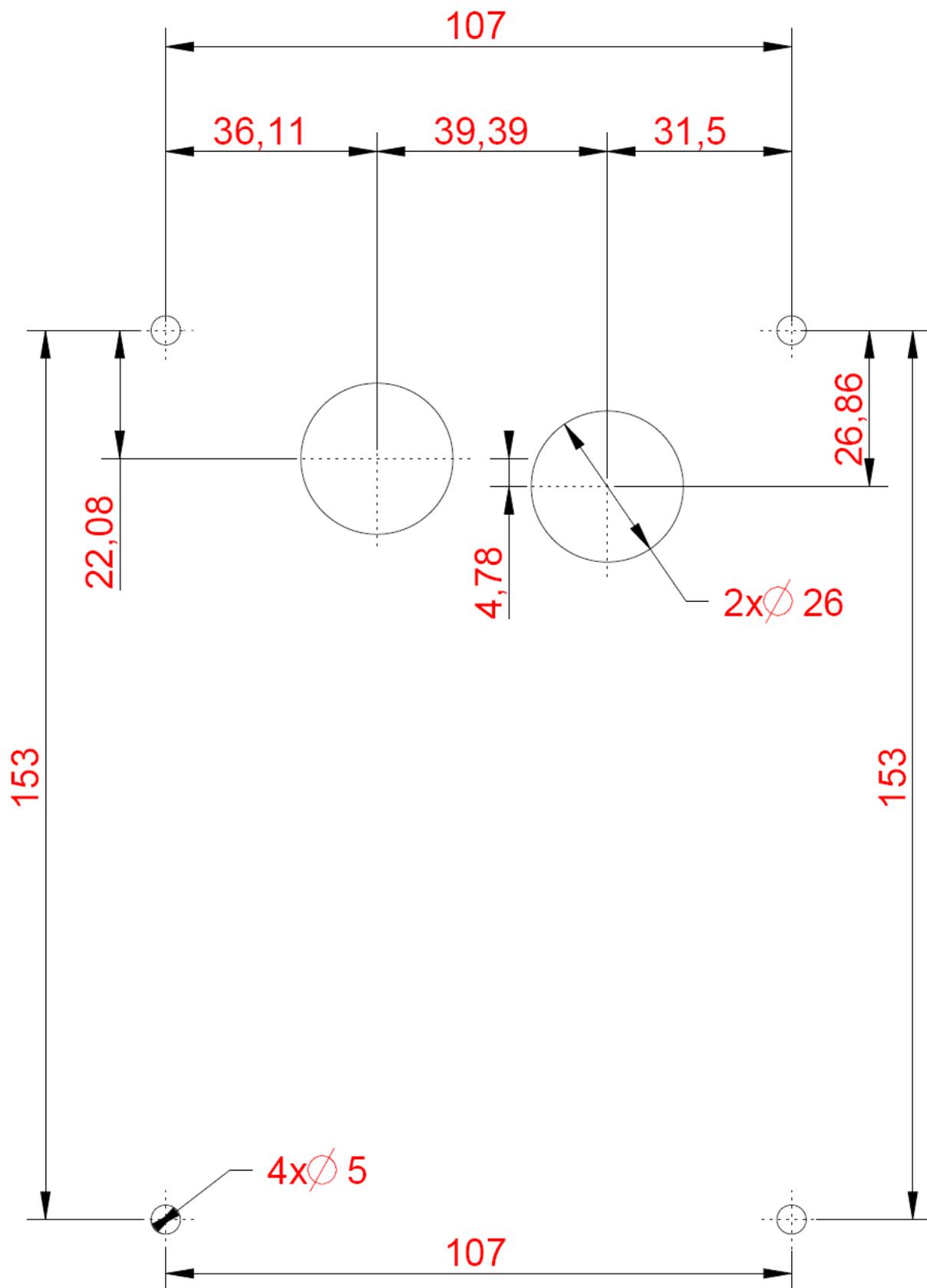
Procedure is completed. Figure 7 shows the appearance of the CTP-A1 cover after completing the installation.



Figure 7. CTP-A1 cover after completing the installation.

Annex

Installation holes drawing



Instruction Manual

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The purpose of this instruction manual is to provide accurate information about handling and installation of CTP-A1 optional cover. Please feel free to send your comments regarding any errors or omissions you may have found, or any suggestions you may have for generally improving the manual.

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