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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

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Touch Panels with TFT-Display

User manual

User manual

Touch Panels with TFT-Display

2018-02-21

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Revision: 02

Order No.: —

This user manual is valid for:

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TP 3057Q	2400452
TP 3057V	2400453
TP 3070W	2400454
TP 3090W	2402630
TP 3105S	2400455
TP 3121S	2400456
TP 3120W	2400457
TP 3150S	2400458
TP 3154W	2402631

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1 Important Notes

1.1 Symbols

The symbols in this manual are used to draw your attention on notes and dangers.



This symbol indicates hazards that could lead to personal injury.

There are three signal words indicating the severity of a potential injury.

DANGER

Indicates a hazard with a high risk level. If this hazardous situation is not avoided, it will result in death or serious injury.

WARNING

Indicates a hazard with a medium risk level. If this hazardous situation is not avoided, it could result in death or serious injury.

CAUTION

Indicates a hazard with a low risk level. If this hazardous situation is not avoided, it could result in minor or moderate injury.



This symbol together with the **NOTE** signal word alerts the reader to a situation which may cause damage or malfunction to the device, hardware/software, or surrounding property.



Here you will find additional information or detailed sources of information.

1.2 Safety Notes

- Read this manual carefully before using the operating device. Keep this manual in a place where it is always accessible to all users.
- Proper transportation, handling and storage, placement and installation of this product are prerequisites for its subsequent flawless and safe operation.
- This user manual contains the most important information for the safe operation of the device.
- The user manual, in particular the safety notes, must be observed by all personnel working with the device.
- Observe the accident prevention rules and regulations that apply to the operating site.
- Installation and operation must only be carried out by qualified and trained personnel.

1.3 Intended Use

- The device is designed for use in the industry.
- The device is state-of-the art and has been built to the latest standard safety requirements. However, dangerous situations or damage to the machine itself or other property can arise from the use of this device.
- The device fulfills the requirements of the EMC directives and harmonized European standards. Any modifications to the system can influence the EMC behavior.

**NOTICE: Radio Interference**

This is a class A device. This device may cause radio interference in residential areas. In this case, the user may be required to introduce appropriate countermeasures, and to bear the cost of same.

1.4 Target Group

The use of products described in this manual is oriented exclusively to:

- Qualified electricians or persons instructed by them. The users must be familiar with the relevant safety concepts of automation technology as well as applicable standards and other regulations.
- Qualified application programmers and software engineers. The users must be familiar with the relevant safety concepts of automation technology as well as applicable standards and other regulations.

2 Installation and Commissioning

2.1 Unpacking the Device

Unpack all parts carefully and check the contents for any visible damage in transit. Also check whether the shipment matches the specifications on your delivery note.

If you notice damages in transit or discrepancies, please contact us immediately.

2.2 Mounting the Device



NOTICE: Damage

When installing the device, leave a gap of at least 30 mm (1.181") around the device to ensure sufficient air circulation.



NOTICE: Damage

When the operating device is installed horizontally, please note that additional sources of heat beneath the operating device may result in heat accumulation.

Make sure to allow sufficient heat dissipation!

Please observe the permissible temperature range specified in the technical data when operating the device.



NOTICE: Damage

In order to ensure the degree of protection specified in the technical data, observe the following points:

- A tolerance of ± 0.5 mm is maintained for the mounting cutout.
- The seal lies flat against the mounting surface.
- The number of mounting brackets, given in the technical data, is used.
- The threaded pins of the mounting brackets are tightened uniformly to a maximum torque of 1 Nm.

The device can be easily and quickly mounted from the rear of the device. A panel thickness of 1 mm to 6 mm (0.039" to 0.236") is permitted for proper mounting.

1. Cut the mounting cutout in the housing for the device size to be installed.
2. Push the device through the mounting cutout from the front.

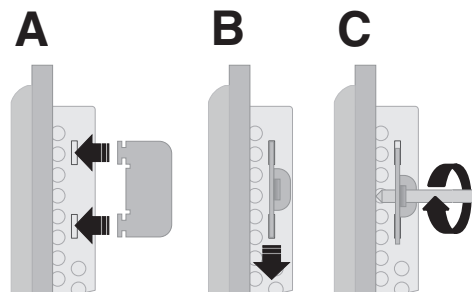


Figure 2-1 Mounting the device using a mounting bracket

3. Fix the mounting brackets in the recesses provided (A).
4. Pull the mounting brackets down until the snap into place (B).
5. Secure the device using the threaded pins (C).

2.2.1 Front Panel Dimensions

2.2.1.1 TP 3043W

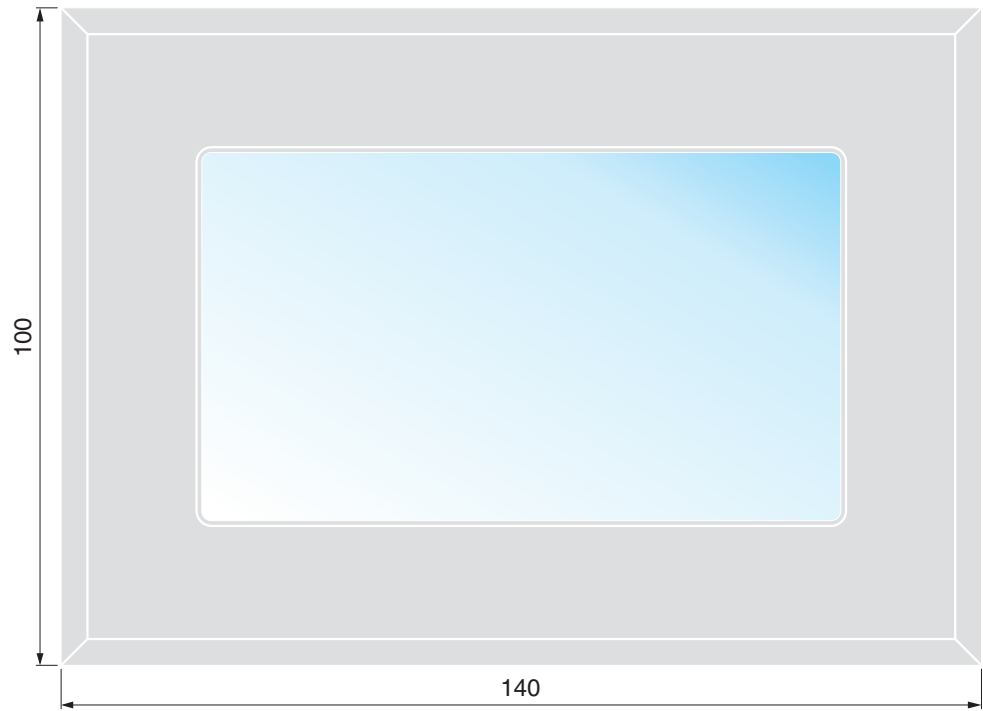


Figure 2-2 Front panel (dimensions in mm)

2.2.1.2 TP 3057Q

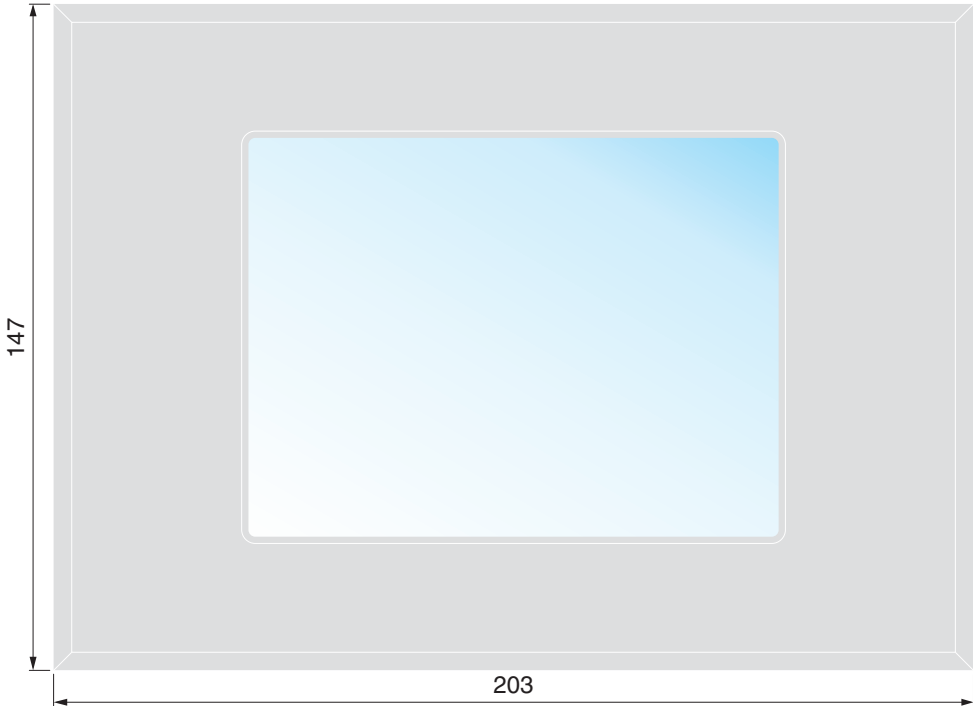


Figure 2-3 Front panel (dimensions in mm)

2.2.1.3 TP 3057V

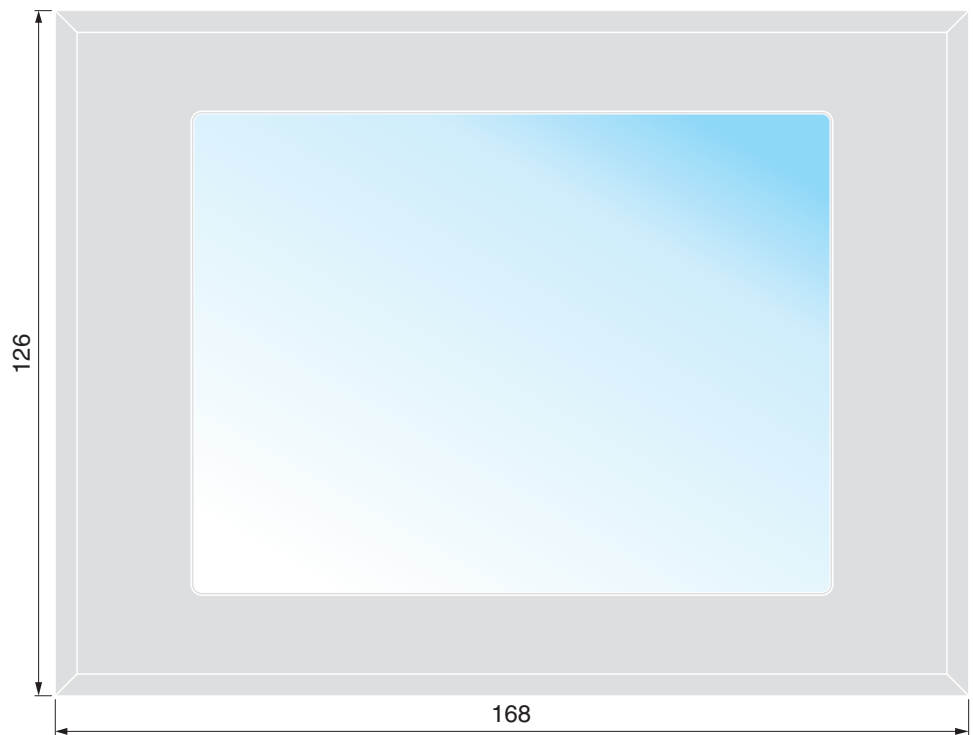


Figure 2-4 Front panel (dimensions in mm)

2.2.1.4 TP 3070W

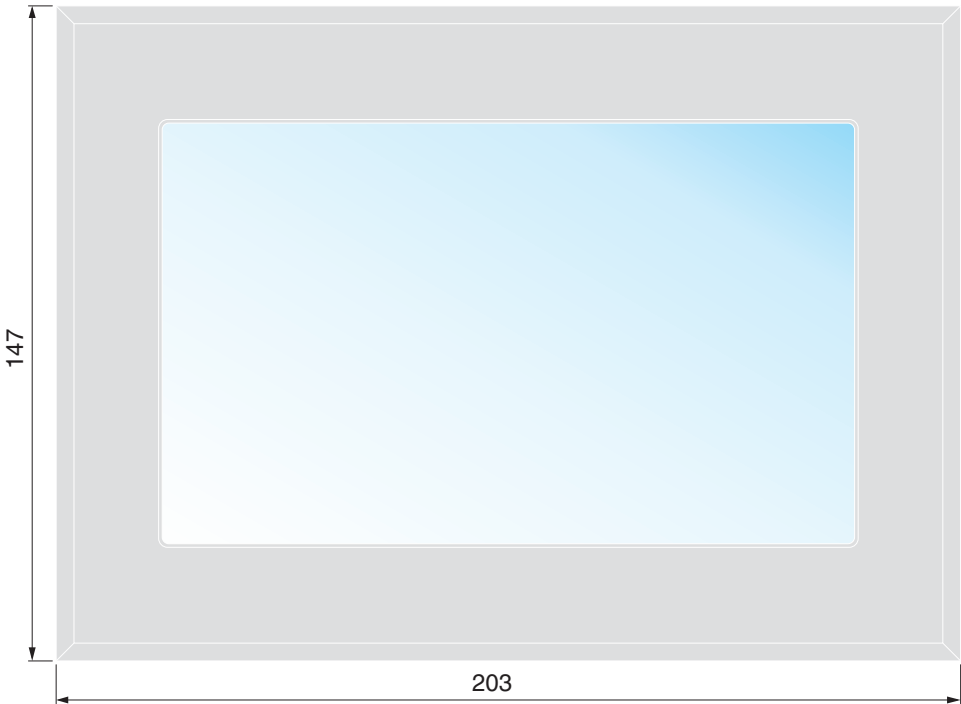


Figure 2-5 Front panel (dimensions in mm)

2.2.1.5 TP 3090W

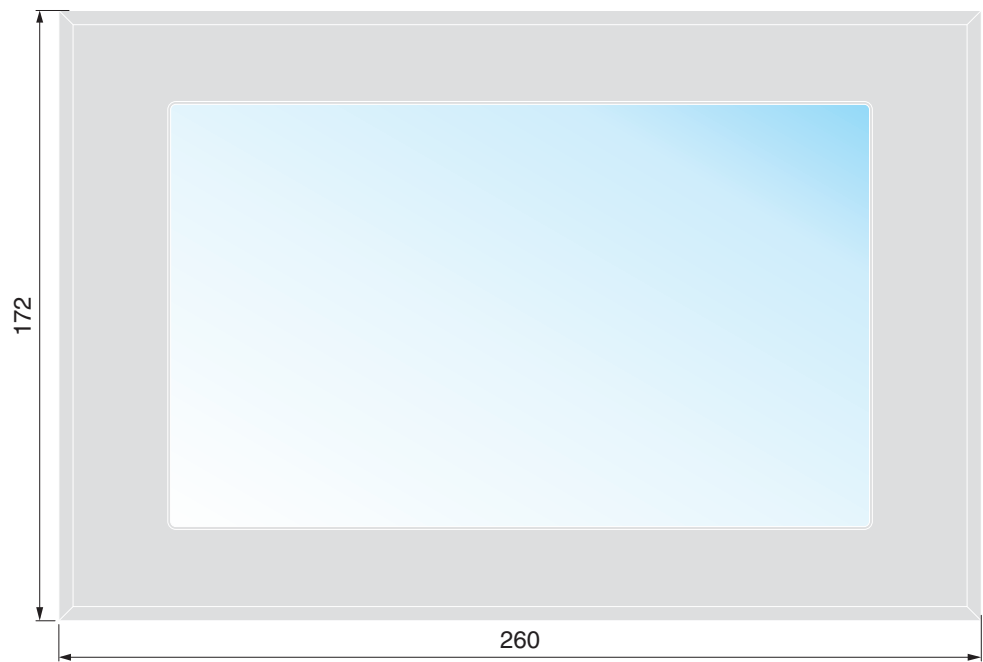


Figure 2-6 Front panel (dimensions in mm)

2.2.1.6 TP 3105S

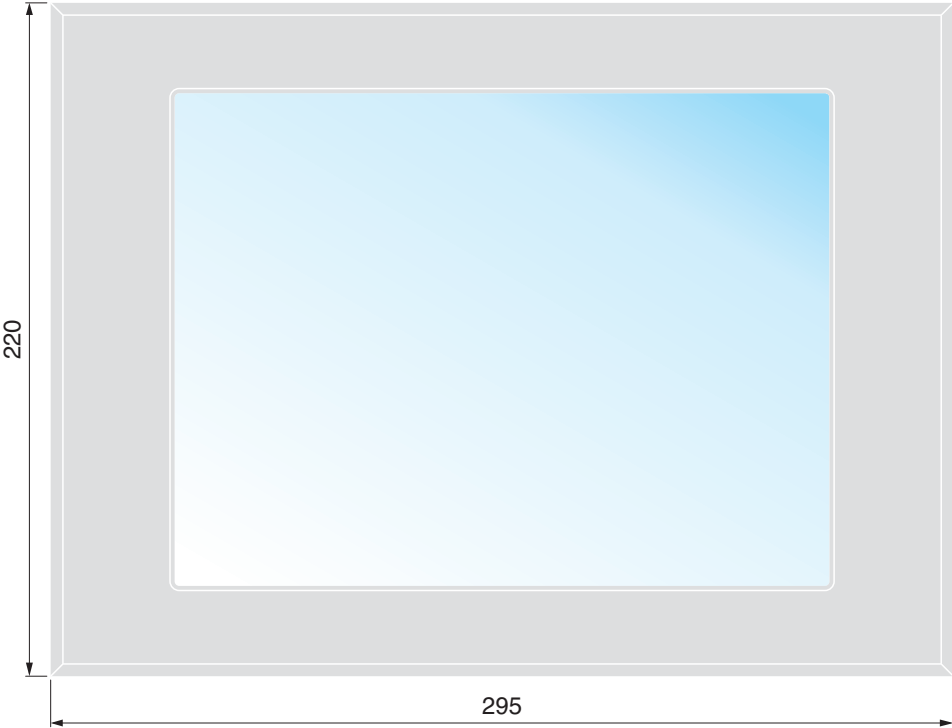


Figure 2-7 Front panel (dimensions in mm)

2.2.1.7 TP 3121S



Figure 2-8 Front panel (dimensions in mm)

2.2.1.8 TP 3120W

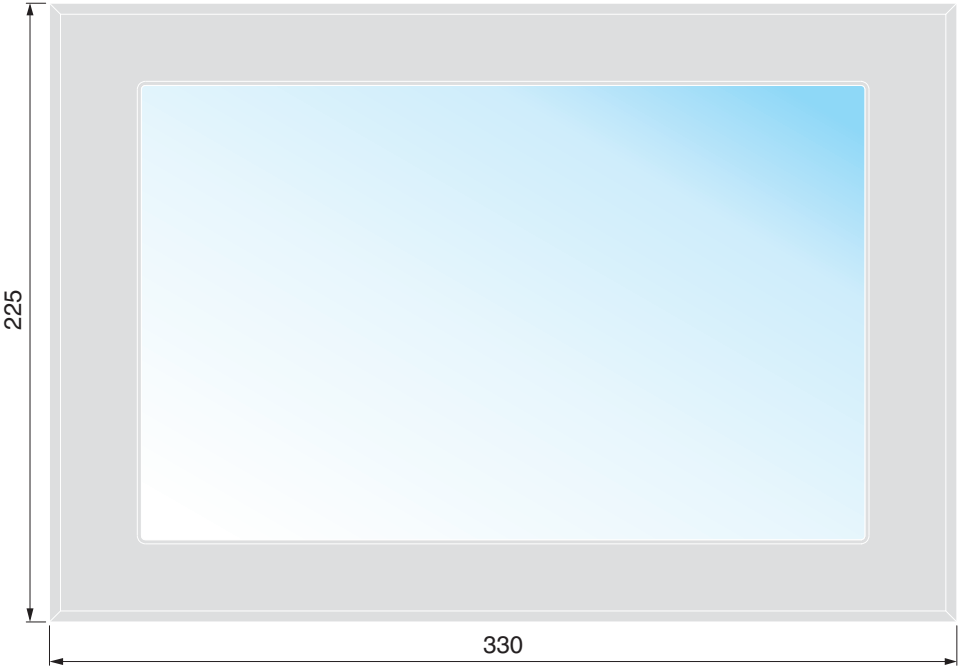


Figure 2-9 Front panel (dimensions in mm)

2.2.1.9 TP 3150S

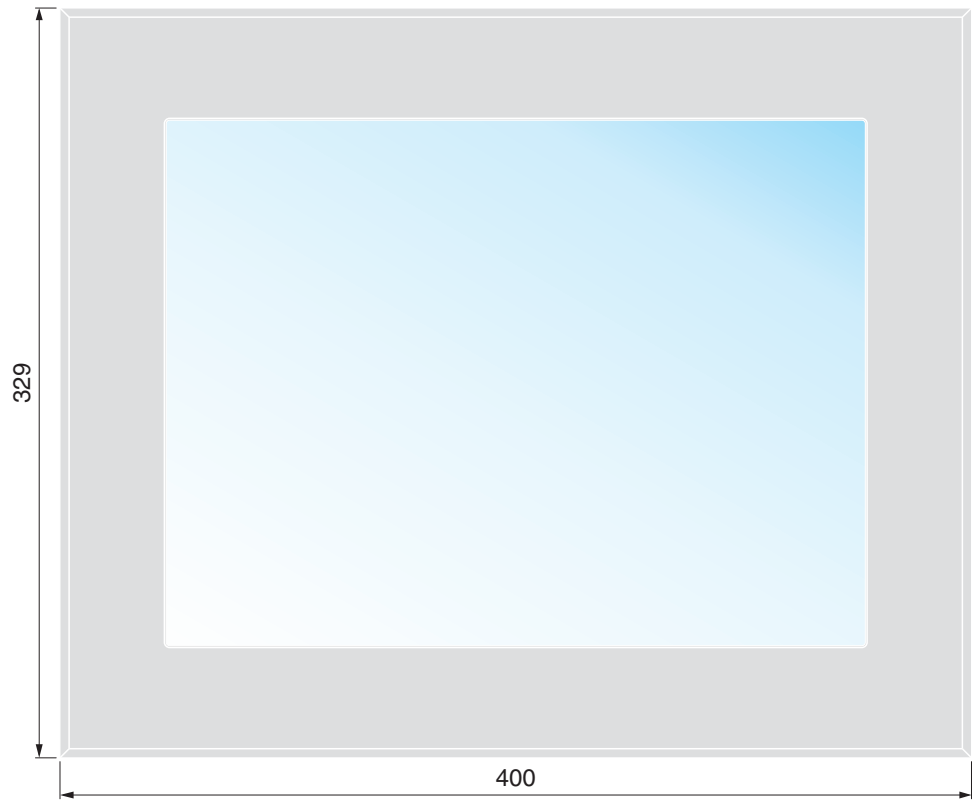


Figure 2-10 Front panel (dimensions in mm)

2.2.1.10 TP 3154W

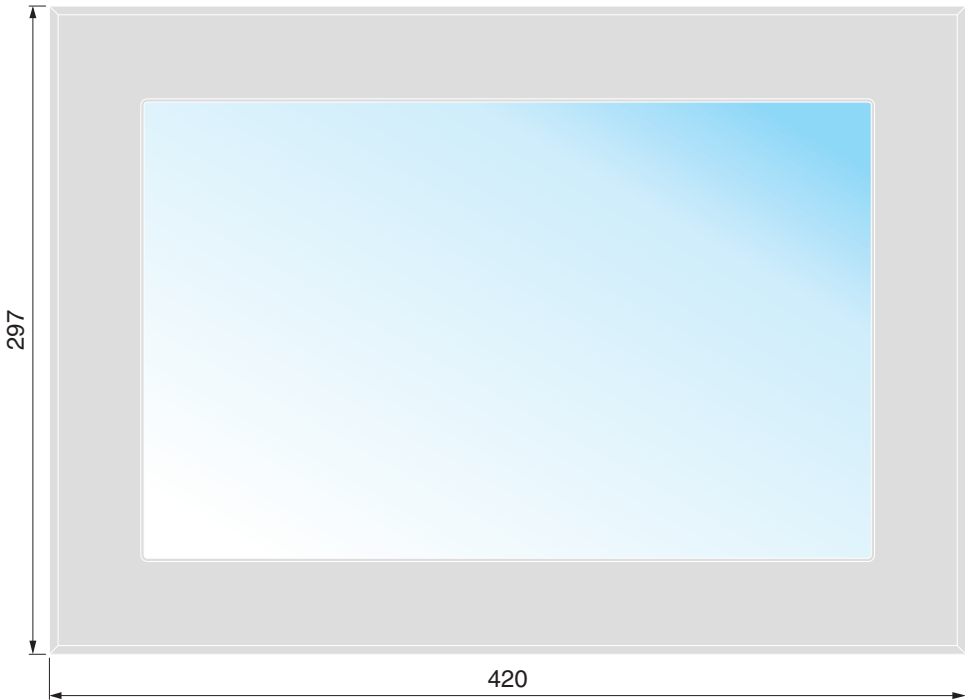


Figure 2-11 Front panel (dimensions in mm)

2.2.2 Mounting Cutout

2.2.2.1 TP 3043W

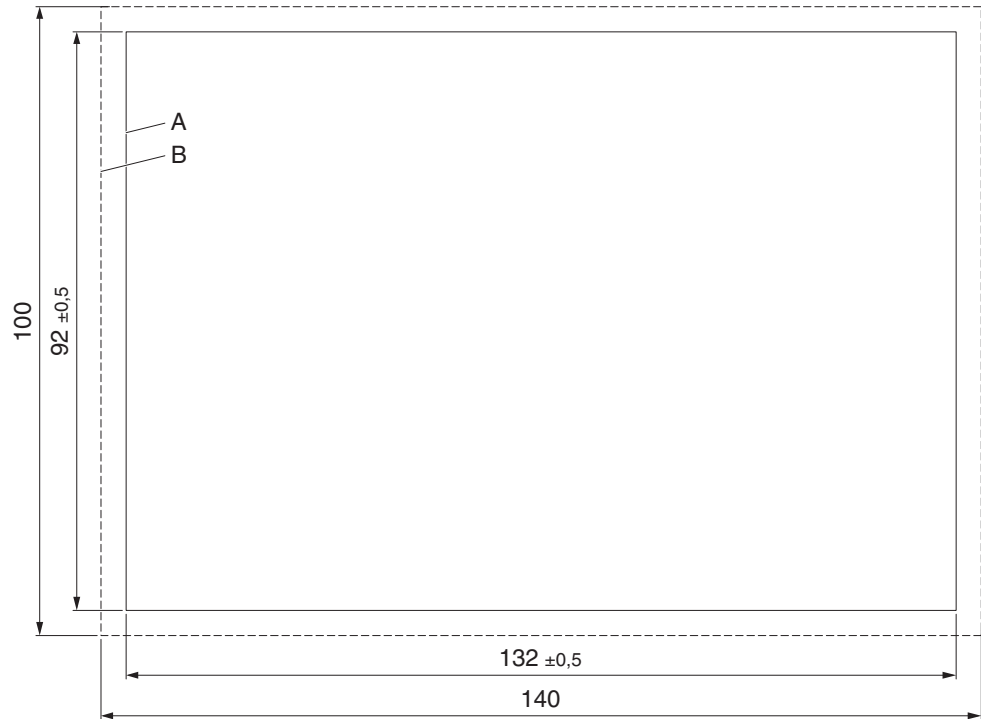


Figure 2-12 Mounting cutout (dimensions in mm)

A Mounting Cutout

B Front Panel

2.2.2.2 TP 3057Q

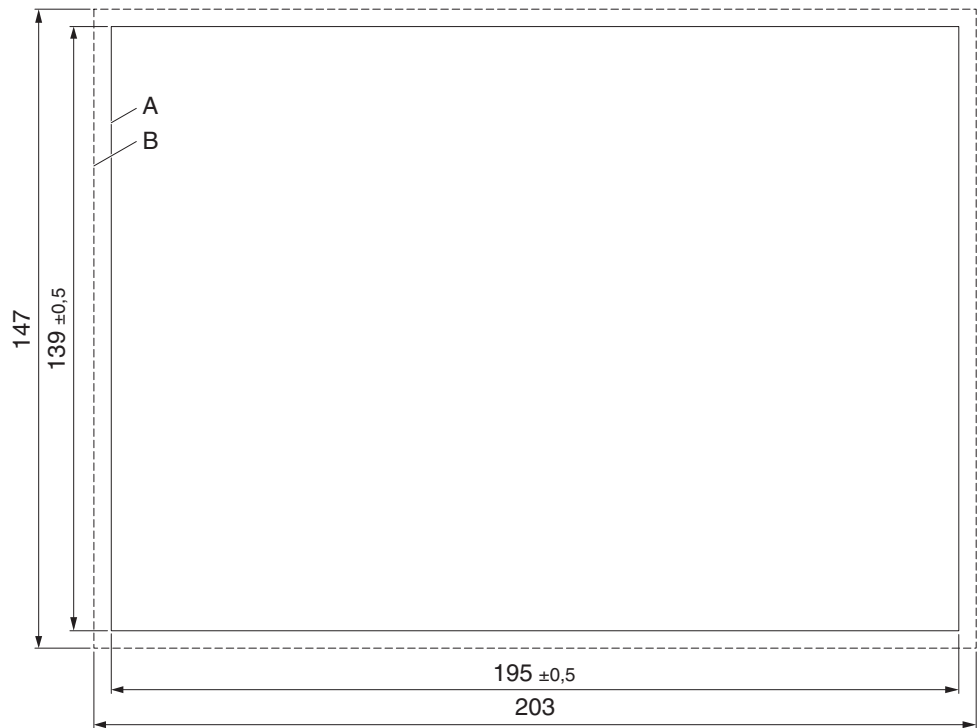


Figure 2-13 Mounting cutout (dimensions in mm)

- A** Mounting Cutout
- B** Front Panel

2.2.2.3 TP 3057V

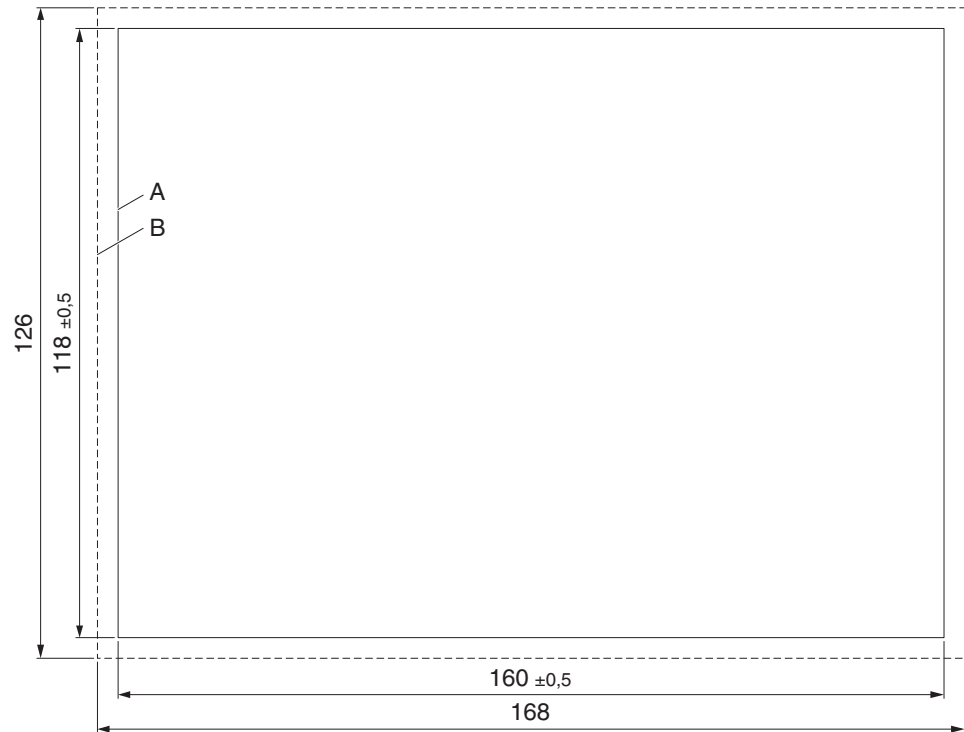


Figure 2-14 Mounting cutout (dimensions in mm)

- A** Mounting Cutout
- B** Front Panel

2.2.2.4 TP 3070W

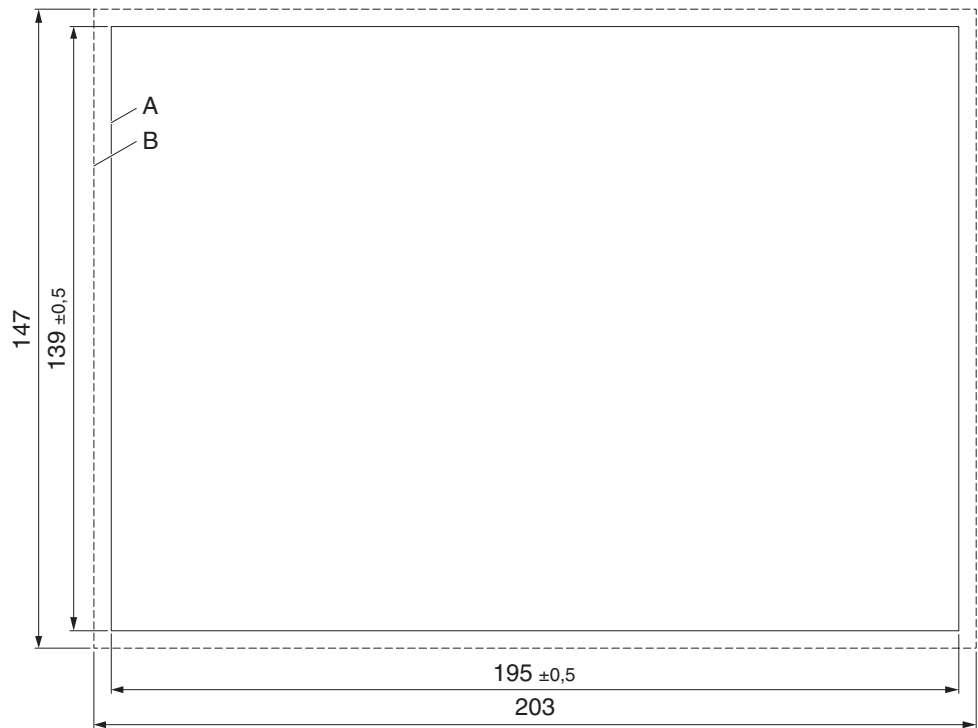


Figure 2-15 Mounting cutout (dimensions in mm)

- A** Mounting Cutout
- B** Front Panel

2.2.2.5 TP 3090W

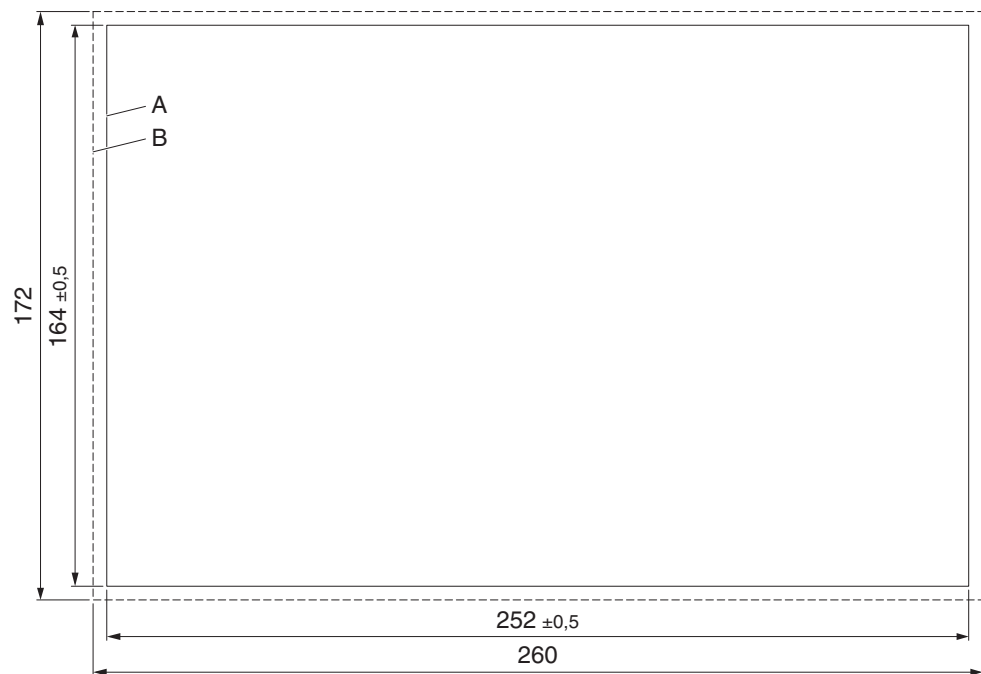


Figure 2-16 Mounting cutout (dimensions in mm)

- A** Mounting Cutout
- B** Front Panel