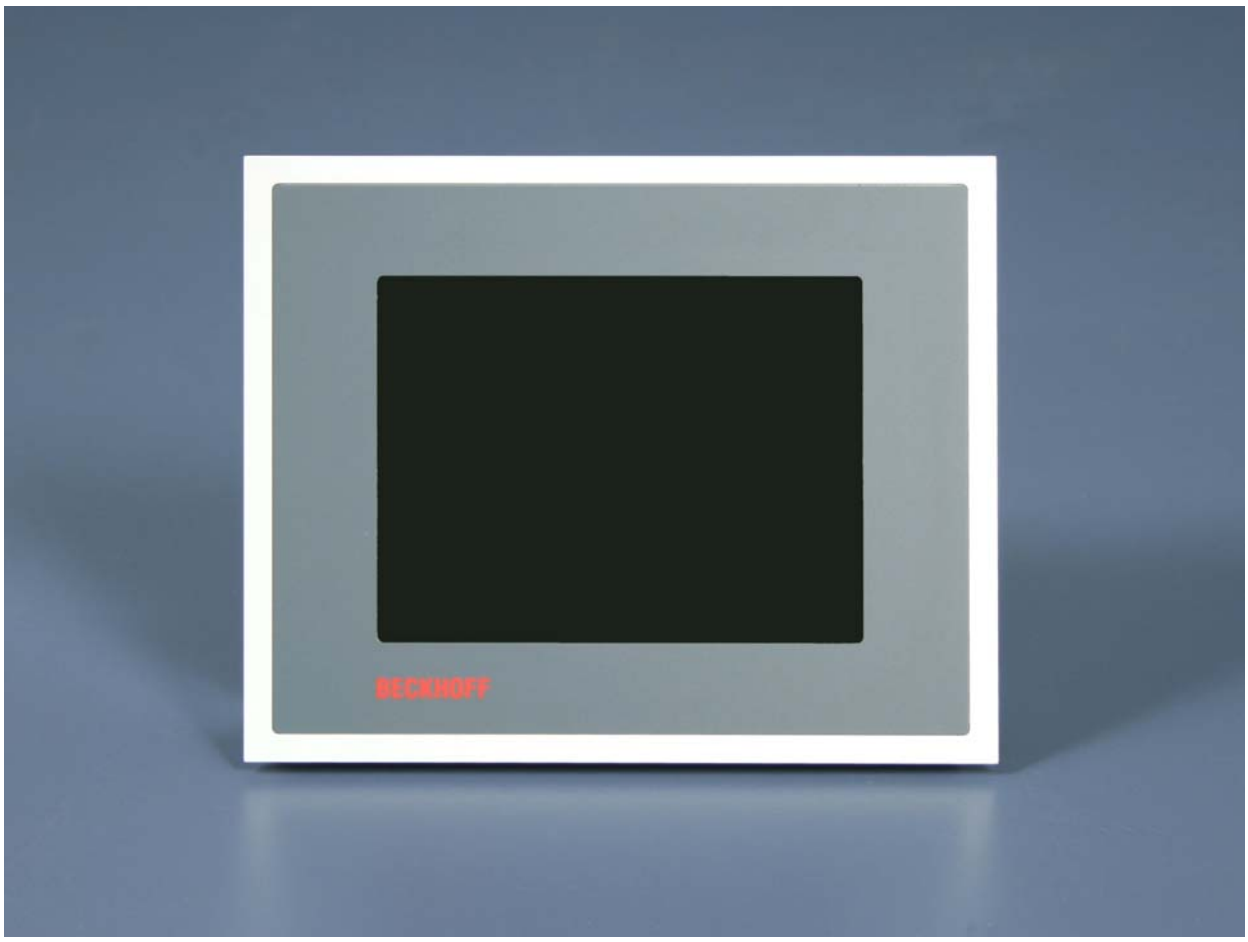

Installation instructions for

Wall Mounting Frame C9900- M298
- M311
- M313
- M314
- M316

Version: 1.0
Date: 2008-09-19

BECKHOFF

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General Notes

Notes on the documentation

This description is only intended for the use of trained specialists in control and automation engineering who are familiar with the applicable national standards. It is essential that the following notes and explanations are followed when installing and commissioning these components.

Liability conditions

The responsible staff must ensure that the application or use of the products described satisfy all the requirements for safety, including all the relevant laws, regulations, guidelines and standards.

The documentation has been prepared with care. The products described are, however, constantly under development. For this reason, the documentation may not always be have been fully checked for consistency with the performance data, standards or other characteristics described. None of the statements in this manual represent a guarantee for as set out in § 443 of the German Civil Code or a statement about the assumed use according to the contract as set out in § 434 para. 1 clause 1 no. 1 of the German Civil Code. In the event that it contains technical or editorial errors, we retain the right to make alterations at any time and without warning. No claims for the modification of products that have already been supplied may be made on the basis of the data, diagrams and descriptions in this documentation.

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Description of safety symbols

The following safety symbols are used in this operating manual. They are intended to alert the reader to the associated safety instructions.

Danger

This symbol is intended to highlight risks for the life or health of personnel.

Warning

This symbol is intended to highlight risks for equipment, materials or the environment.

Note

This symbol indicates information that contributes to better understanding.

Basic safety measures

Note

The wall mounting frame may only be used in conjunction with the designated Beckhoff Control Panel.

Warning

Before installing and removing the Control Panel, all system components must be switched off, and the Control Panel must be uncoupled from the system.

Disconnect the device by unplugging the connectors on the Control Panel side.

System components that have been switched off must be secured against being switched on again.

Operator's obligation to exercise diligence

Warning

Only qualified personnel may install the Control Panel in the wall mounting frame.
The operator must ensure that only appropriately trained electricians deal with installation and wiring of the Control Panel.

Warning

After installation check the Control Panel for secure fastening in the frame.
Ensure that inadvertent detachment of the Control Panel from the wall mounting frame is prevented.

Installation instructions

Appropriate use

The C9900 wall mounting frame is designed for Beckhoff Control Panels. For possible frame and panel combinations please refer to section *Frame sizes and descriptions*.

The stainless steel mounting frame can be flush-mounted in a solid wall or screw-mounted in a dry wall.

Frame sizes and descriptions

Frame descriptions

The following frames are available for the different panel sizes:

- C9900-M298 - panel mounting frame for CP6608
- C9900-M311 - panel mounting frame for CP6609/CP6909
- C9900-M313 - panel mounting frame for CP6601/CP6901
- C9900-M314 - panel mounting frame for CP6602/CP6902
- C9900-M316 - panel mounting frame for CP6603/CP6903

Scope of supply

Scope of supply

The following components are included:

- 1 panel mounting frame (not shown),
- 1 mounting bracket (**1**) and
- 1 fastening bracket (2) for attaching to the Control Panel,
- 4 bolts M4x5 (3) for fastening the two brackets.

Note

Only 3 bolts are required for mounting the CP6608 Control Panel (see top diagram).

Mounting

Mounting of the wall mounting frame

Once the required opening has been prepared (see section *Assembly dimensions*), the mounting frame can be installed in the wall. The frame design allows for air circulation as required.

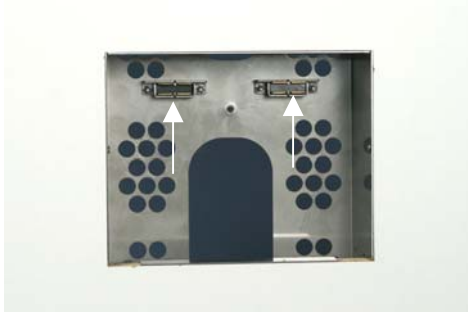
Note

Ensure that the wall mounting frame is oriented correctly. The pre-assembled fastening magnets must be positioned at the top of the frame (see image below).

Wall mounting frame in a dry wall

The diagram illustrates the installation of the wall mounting frame in a dry wall.

The two pre-assembled fastening magnets are clearly visible at the top.



Attaching the brackets to the Control Panel

In order to be able to fasten the Control Panel in the wall mounting frame, the fastening bracket and the mounting bracket first have to be attached to the Panel. Proceed as follows:

Attaching the fastening bracket

Remove the clamping lever located at the top in the center of the Control Panel using a 2.5 mm Alleen key. For a CP6608 Panel remove the top left or right clamping lever.

Attach the fastening bracket in place of the clamping lever using the M4 x 5 mm screw provided as shown.

Mounting - CP6608 shown as example

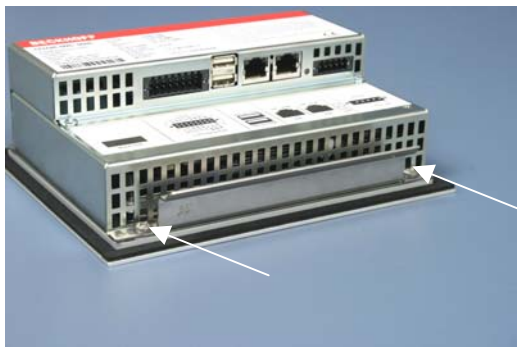
Warning

When removing the clamping levers prevent the Control Panel from disintegrating while the bolts are removed.

Attaching the mounting bracket

Then remove the three lower clamping levers (two levers for CP6608).

Attach the mounting bracket in place of the clamping lever using the remaining M4 x 5 mm bolts as shown.



Inserting the Control Panel

Once the wall mounting frame is installed in the wall and the brackets are attached to the Control Panel, the Control Panel can be inserted in the frame:

Position the Control Panel,

First position the Control Panel with the mounting bracket on the lower edge of the mounting frame.

Now connect all electrical connections at the rear of the Control Panel.

Warning

Follow the connection instructions for the respective Control Panel.

engage the fastening bracket

Now tilt the Control Panel back. Push the fastening bracket down slightly, so that it can engage below the upper edge of the mounting frame.

The Control Panel is now secure and cannot detach itself from the frame.

and tilt the Control Panel back

Now move the Control Panel into its final position. The Panel is now held securely in position through the pre-assembled fastening magnets.

Finally check the Control Panel for secure fastening in the frame.

Dismounting the Control Panel

Dismounting in reverse order

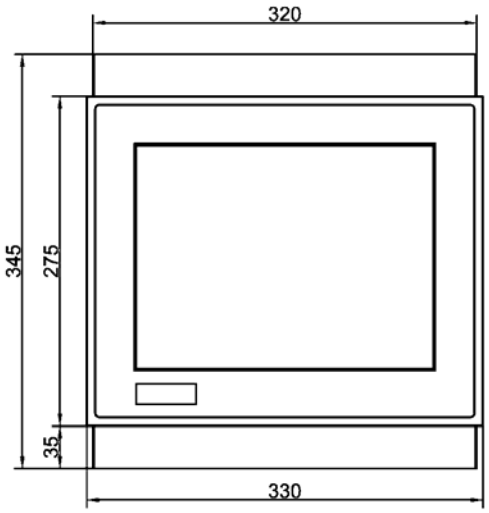
Dismounting the Control Panels occurs in reverse order:

1. Grasp carefully behind the upper edge of the Panel in order to solve the chassis of the fastening magnets.
2. Swivel out the Panel so far as the fastening bracket allows.
3. Push down the fastening bracket a bit in order to swivel out the Panel completely.
4. Disconnect all connections to the Panel.
5. Take out the Control Panel from the wall mounting frame carefully and put it down on a clean, soft base.

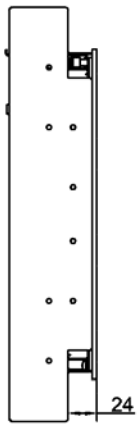
Assembly dimensions

All dimensions are in mm.

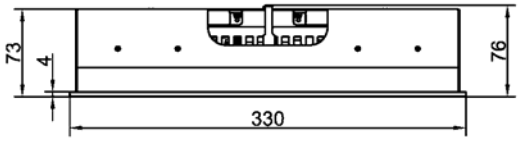
C9900-M313
Wall mounting frame for
CP6601-0001
CP6901-0001



front view

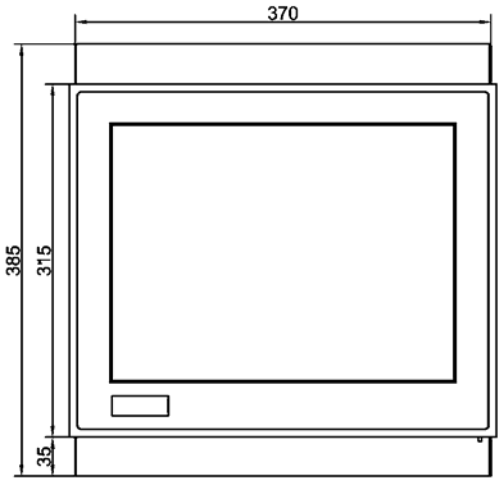


left view

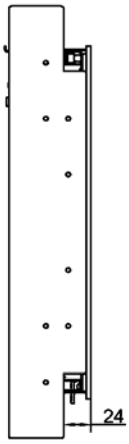


top view

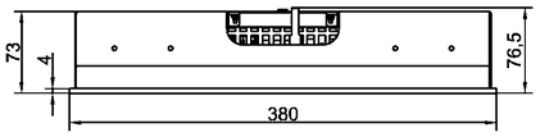
C9900-M314
Wall mounting frame for
CP6602-0001
CP6902-0001



front view



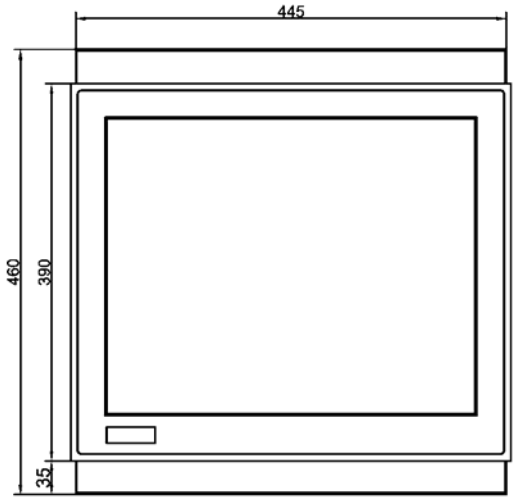
left view



top view

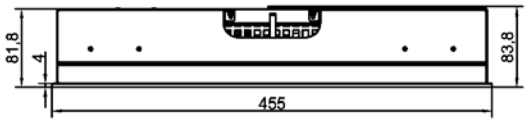
All dimensions are in mm.

C9900-M316
Wall mounting frame for
CP6603-0001
CP6903-0001



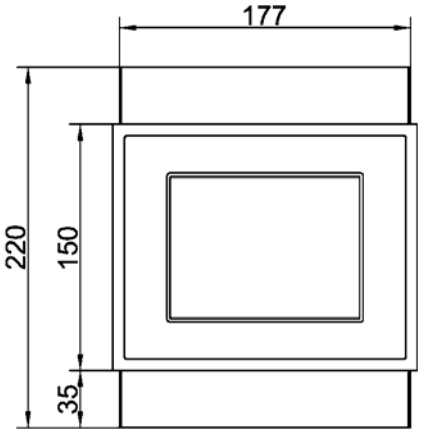
front view

left view

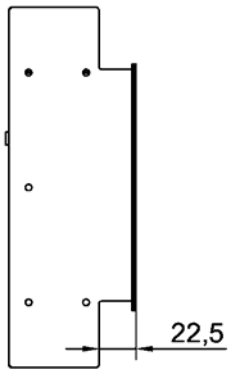


top view

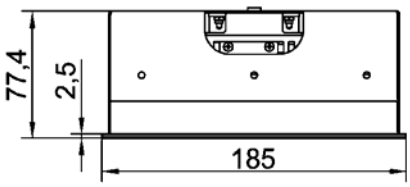
C9900-M298
Wall mounting frame for
CP6608-0001



front view



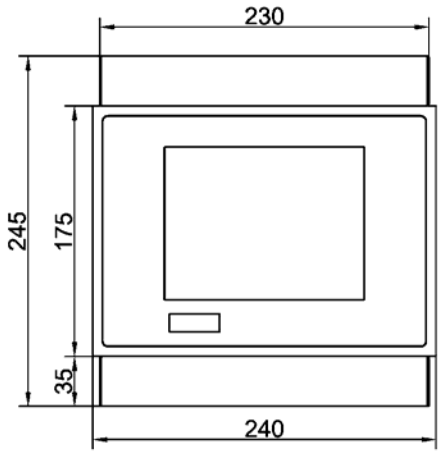
left view



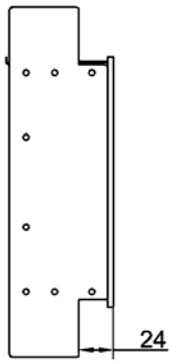
top view

All dimensions are in mm.

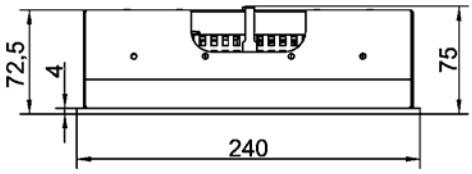
C9900-M311
Wall mounting frame for
CP6609-0001



front view

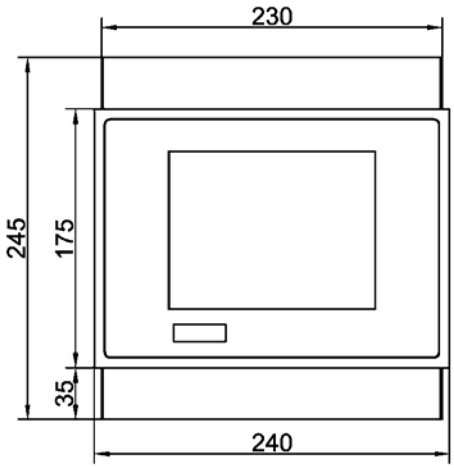


left view

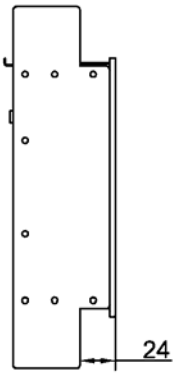


top view

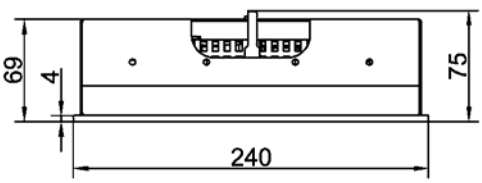
C9900-M311
Wall mounting frame for
CP6909-0001



front view



left view



top view

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Please contact your Beckhoff branch office or partner company for local support and service on Beckhoff products!

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You will also find further documentation for Beckhoff components there.

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