

TPC56 Display and operator panel

Application

The TPC56 is a remote display and operator panel for BMR410 and DDC420. It has an active matrix color LCD touchscreen with a screen size of 5,6" / 14,2 cm.

For direct communication with one or several BMRs or DDC420s, the TPC56 has a built-in Ethernet interface.

The TPC56 is suitable for installation in the front panel.

With the TPC56, up to 99 BMRs or DDC420s can be operated.

The user interface is available in 12 languages. (Czech, Dutch, English, French, German, Hungarian, Italian, Latvian, Polish, Russian, Spanish and Swedish)



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Änderungen vorbehalten - Contents subject to change - Sous réserve de modifications - Reservado el derecho a modificación - Wijzigingen voorbehouden - Con riserva di modifiche - Innehåll som skall ändras - Změny vyhrazeny - Zmiany zastrzeżone - Возможны изменения - A változtatások jogát fenntartjuk - 保留未经通知而改动的权力

Important Information Regarding Product Safety

Safety Instructions

This data sheet contains information on installing and commissioning the product "TPC56". Each person who carries out work on this product must have read and understood this data sheet. If you have any questions that are not resolved by this data sheet, you can obtain further information from the supplier or manufacturer.

If the product is not used in accordance with this data sheet, the protection provided will be impaired.

Applicable regulations must be observed when installing and using the device. Within the EU, these include regulations regarding occupational safety and accident prevention as well as those from the VDE (Association for Electrical, Electronic & Information Technologies). If the device is used in other countries, it is the responsibility of the system installer or operator to comply with local regulations.

Mounting, installation and commissioning work on the devices may only be carried out by qualified technicians. Qualified technicians are persons who are familiar with the described product and who can assess given tasks and recognize possible dangers due to technical training, knowledge and experience as well as knowledge of the appropriate regulations.

Legend



WARNING

Indicates a hazard of medium risk which can result in death or severe bodily injury if it is not avoided.



CAUTION

Indicates a hazard of low risk which can result in minor or medium bodily injury if it is not avoided.



NOTICE

Indicates a hazard of medium risk which can result in material damage or malfunctions if it is not avoided.



NOTE

Indicates additional information that can simplify the work with the product for you.

Notes on Disposal

For disposal, the product is considered waste from electrical and electronic equipment (electronic waste) and must not be disposed of as household waste. Special treatment for specific components may be legally binding or ecologically sensible. The local and currently applicable legislation must be observed.

Product Description**TPC56****Item**

TPC56	Remote display and operator panel for the BMR410 Basic unit: TPC-61T
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Technical Data

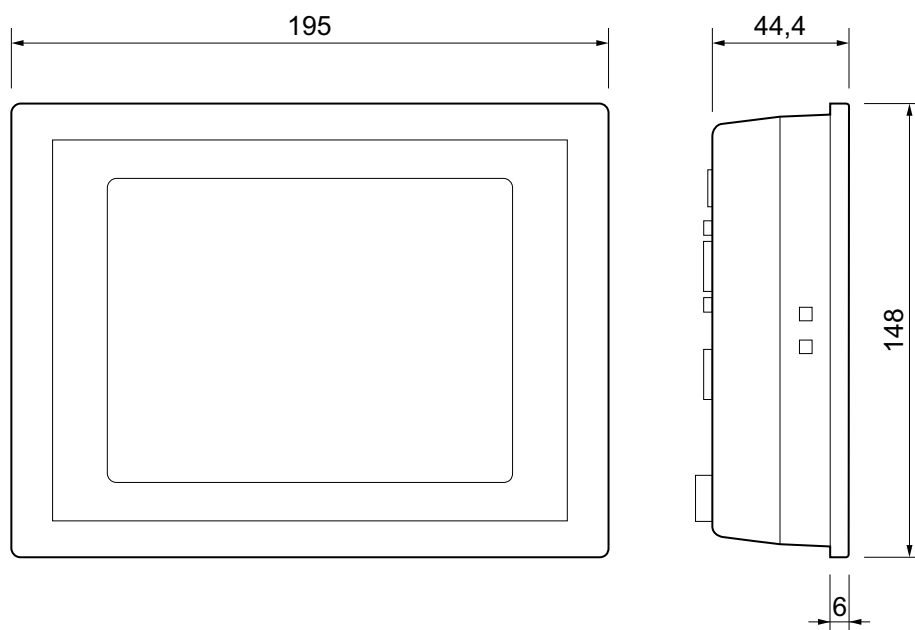
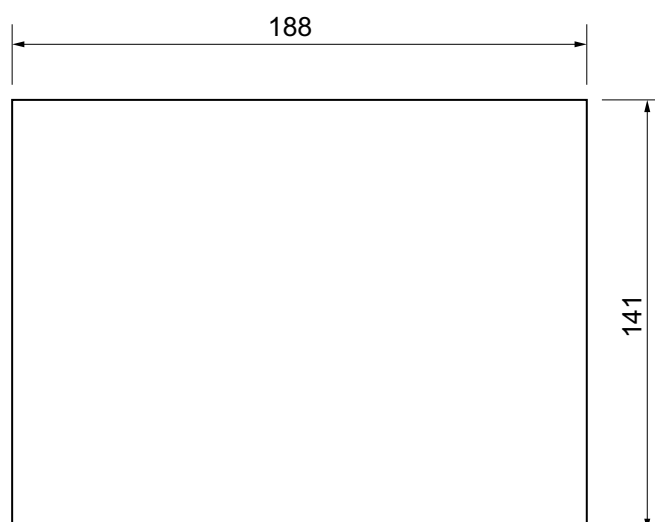
Nominal voltage	DC 24 V $\pm$ 20 %, 12 W
Fuse	AC 250 V; 3.15 A
Indicators and controls	Backlit active matrix LCD ■ Screen size: 5,6" / 14,2 cm ■ Resolution: 320 x 240 pixels ■ 64,000 colors ■ Contrast 800:1 ■ Brightness: 800 cd/m² ■ Operating life of backlighting: 50,000 h
Interfaces	Ethernet 10/100 Base-T (RJ45) USB1.1 Host (Type A socket) for SW updates only USB1.1 client (type B socket) (not used) RS232 (not used) RS485 (not used)
Housing	ABS, dark gray
Degree of protection	IP65 (when installed)
Ambient temperature	0 to 50°C
Ambient humidity	During operation: 10 to 95 % r.h.; non-condensing
Installation	Front panel
Certifications	CE, BSMI, CCC, FCC, UL
Weight	0.8 kg
Dimensions (WxHxD in mm)	195 x 148 x 44.4

Accessories (included in delivery)

- 6 fastening clips
- 6 screws

Accessories (not included in delivery)

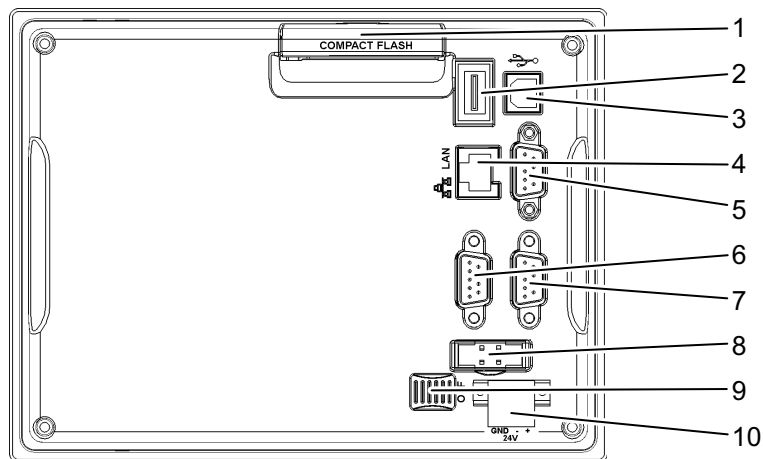
HW-103460	AC adapter
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TPC56**Product Description****Dimensions****Front Panel Cutout**

Product Description

TPC56

Connection



- 1 Compact flash
- 2 USB host
- 3 USB client (not used)
- 4 Ethernet
- 5 Serial interface 2 (not used)
- 6 Serial interface 3 (not used)
- 7 Serial interface 1 (not used)
- 8 Fuse
- 9 On/off switch
- 10 Power supply

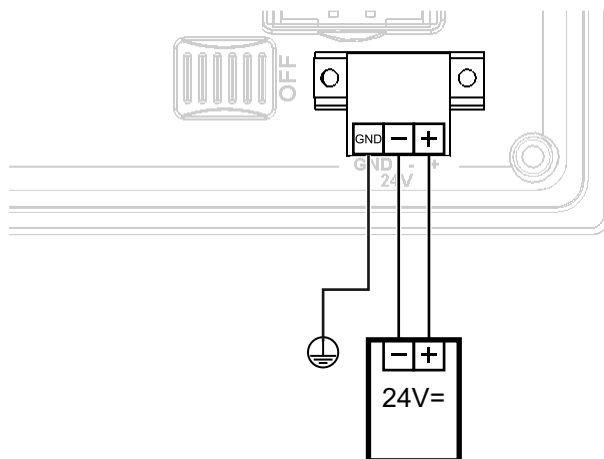
Power Supply



NOTICE

Danger of damaging the device

Ensure that it is correctly connected to the power supply.



Mounting



CAUTION

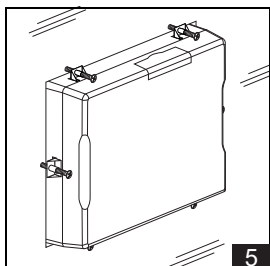
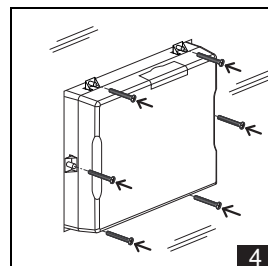
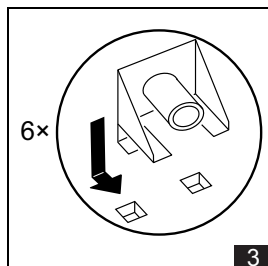
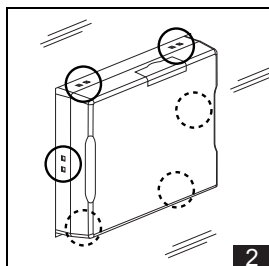
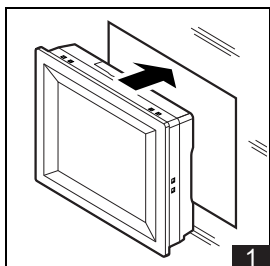
Mounting/demounting may only be carried out by qualified technicians when the power is switched off.

Front panel installation



NOTE

The thickness of the front panel must be less than 6 mm.



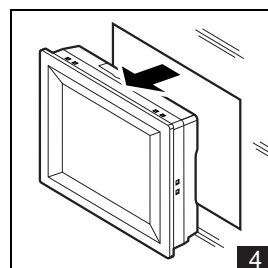
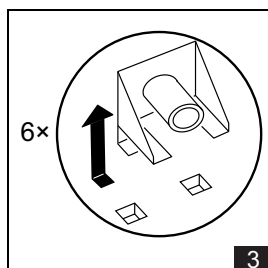
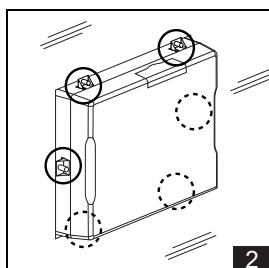
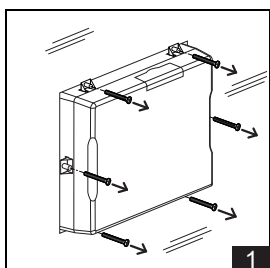
Removal



CAUTION

Mounting/demounting may only be carried out by qualified technicians when the power is switched off.

Front panel installation

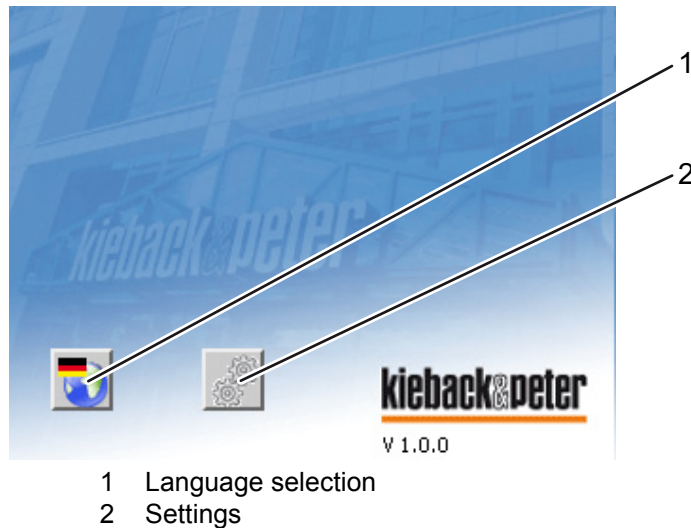


Installation

Starting the TPC56

- ▶ Connect the power supply to the device.
- ▶ If necessary, switch on the device using the On/off switch.

After the operating system starts, the configuration screen appears for 10 seconds:



NOTE

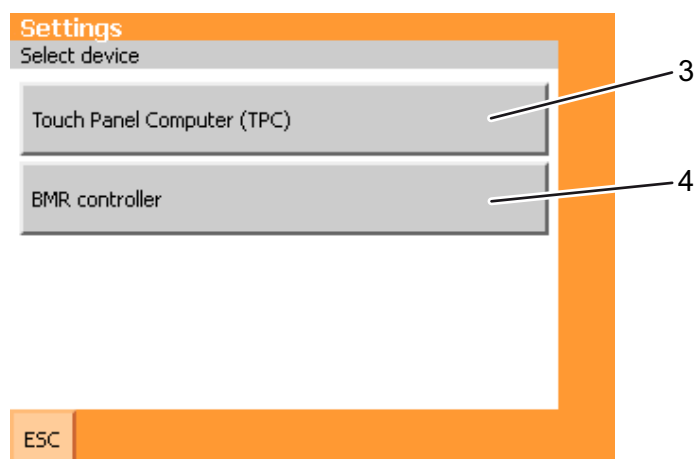
The TPC56 is delivered with a BMR410 or DDC420, both of which are configured with the standard settings. If the BMR410 or DDC420 do not communicate automatically with the TPC35, follow the instructions under "Configuring a connected BMR410 or DDC420 controller" on page 8.

Select language

- ▶ Tap the icon "Language selection" (1).
- ▶ Select the desired language.

Configuring the TPC56

- ▶ Tap the icon "Settings" (2).



- ▶ Tap "Touch Panel Computer (TPC)" (3).
- ▶ Configure the properties displayed.

Configuring a connected BMR410 or DDC420 controller

- ▶ Tap the icon "Settings" (2).
- ▶ Tap "BMR controller" (4).
- ▶ Configure the properties displayed.

Updating the Software

Kieback&Peter employees can find the current software for the TPC56 on the intranet.

- ▶ Decompress the ZIP file to the root of a USB flash drive.
- ▶ Ensure that the file was decompressed correctly: The file "TPCUpdate.exe" must be located in the root directory of the USB flash drive.
- ▶ Start the TPC56.
- ▶ Wait until the configuration screen disappears.
- ▶ Connect the USB flash drive to the TPC56. (See chapter "Connection", page 5.)
- ▶ Wait until "Start" is displayed on the TPC56.
- ▶ Tap "Start", then "Programs" and then the "Windows Explorer" icon.
- ▶ In Windows Explorer, tap "USB Hard Disk".
- ▶ Double-tap "TPCUpdate.exe" in Windows Explorer.
- ▶ In the update program, tap "Konfigurieren" (Configure).
- ▶ Wait until the update program displays "System Restart".
- ▶ Disconnect the USB flash drive from the TPC56. (See chapter "Connection", page 5.)
- ▶ In the update program, tap "System Restart".