PEAKNX PNX13-10002 Controlmicro Touch Panel User Manual

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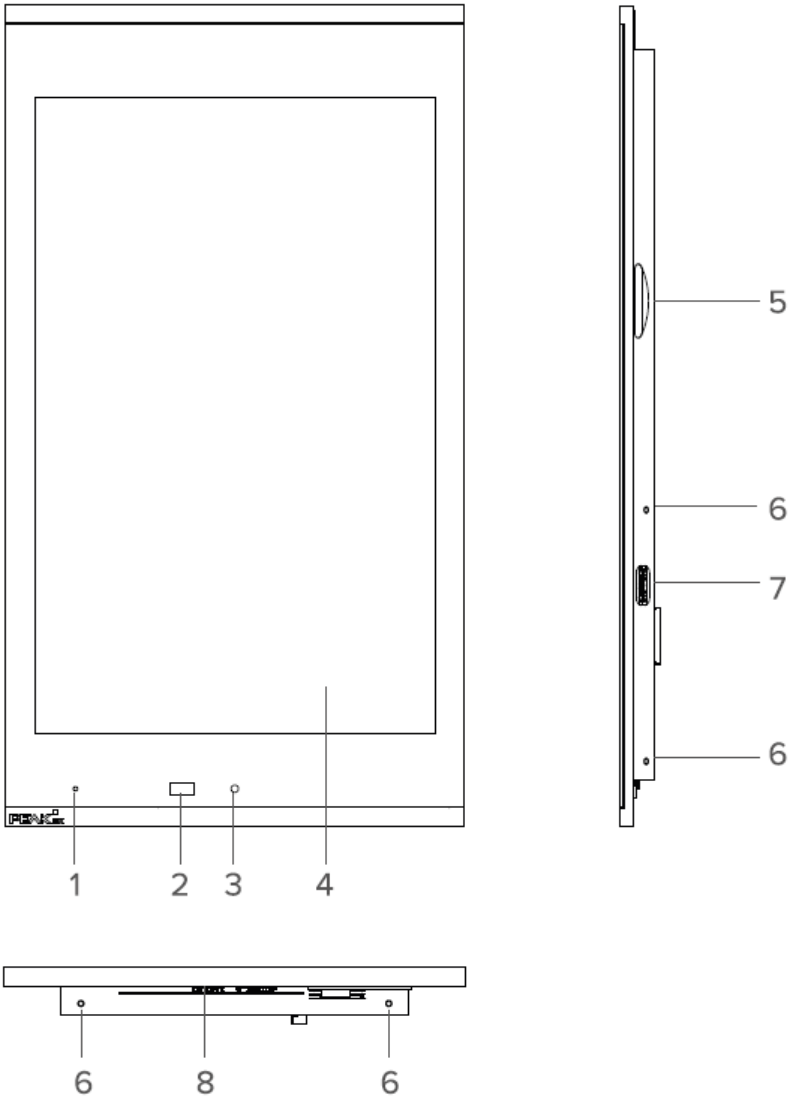
PEAKNX PNX13-10002 Controlmicro Touch Panel

Product	**Item number**
Controlmicro (24 V), Controlmicro (PoE)	PNX13-10001, PNX13-10002

Touch panel elements



Position	Description
1	Microphone
2	Proximity sensor
3	Brightness sensor
4	Touchscreen
5	MicroSD card slot
6	Screw holes for fixing the panel
7	USB 2.0 Type C
8	Status LED: red: the panel is shut down, green: the panel is switched on

Note: Detailed instructions can be found on the supplied USB flash drive.

Caution: Avoid damage to the panel due to incorrect use!

- Do not use device in safety-relevant, humid, dusty, or vibration-loaded environments and not under direct sunlight.
- Do not allow small children to operate the device!
- Do not make any changes, attachments, or conversions to the device

Delivery

- Control micro panel
- USB flash drive: YOUVI Basic software package, Control micro user manual
- Brief instructions for commissioning the panel and software
- Connectors for power supply (only 24 V variant; PNX13-10001) and KNX
- Circuit board for network connection
- Screws to secure the panel against theft, including tools
- Adapter cable from USB type C to USB type A

Panel mounting and installation

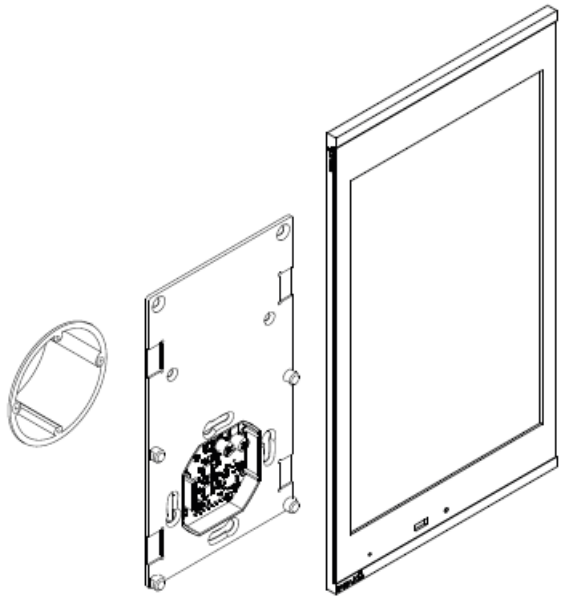
Important safety and handling information

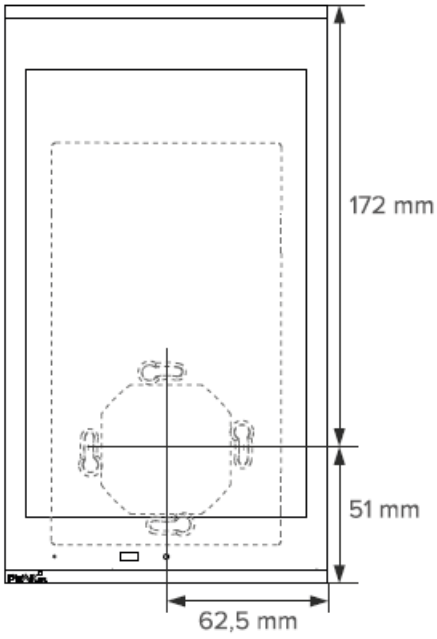
Warning

The Control micro may only be installed and commissioned by qualified electricians! Observe the national regulations applicable in your country regarding the installation, functional testing, repair, and maintenance of electrical products!

- Observe the “Five Safety Rules” (DIN VDE 0105, EN 50110) and apply them correctly:
  - Disconnect mains
  - Prevent reconnection
  - Test for absence of harmful voltages
  - Ground and short circuit
  - Cover or close off nearby live parts
- Before installation, make sure that all connecting cables of the device are undamaged.

Preparation





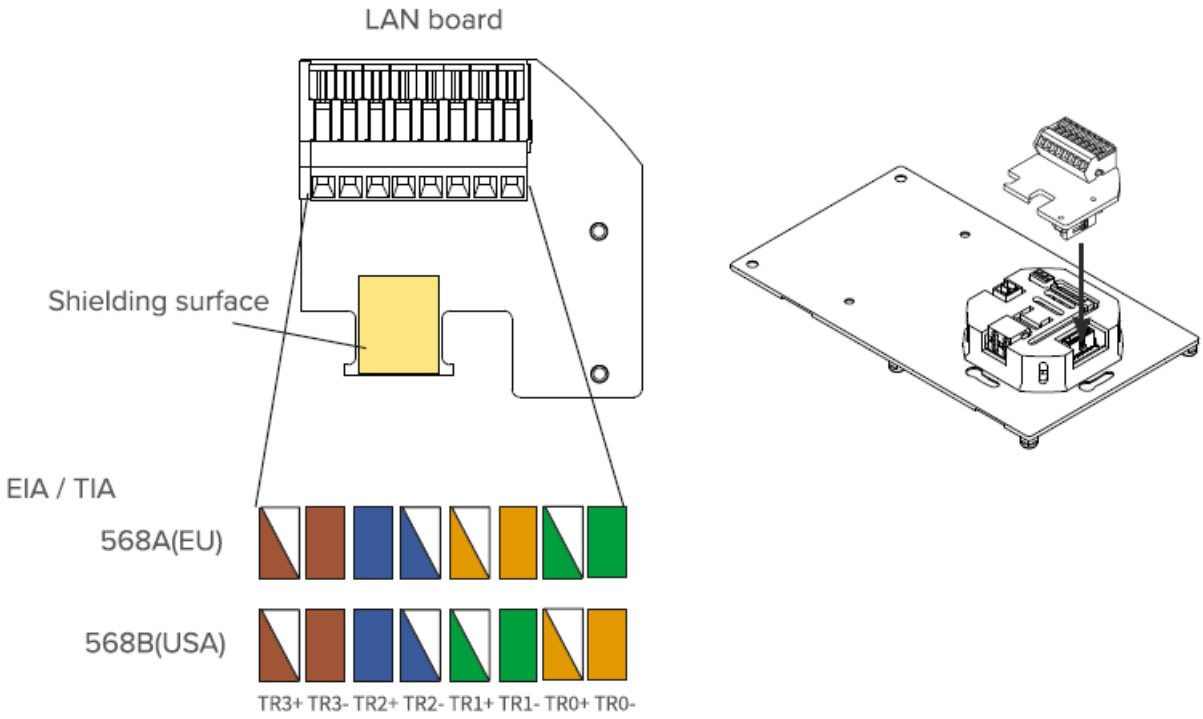
The panel can be installed in both portrait and landscape format over a standard switch box: standard screw spacing 60 mm, depth min. 35 mm.

Tip: Choose the installation height of the panel according to the height of the primary user so that the top edge of the panel is at his/her eye level. A slightly lower screen prevents fatigue of the arms during operation.

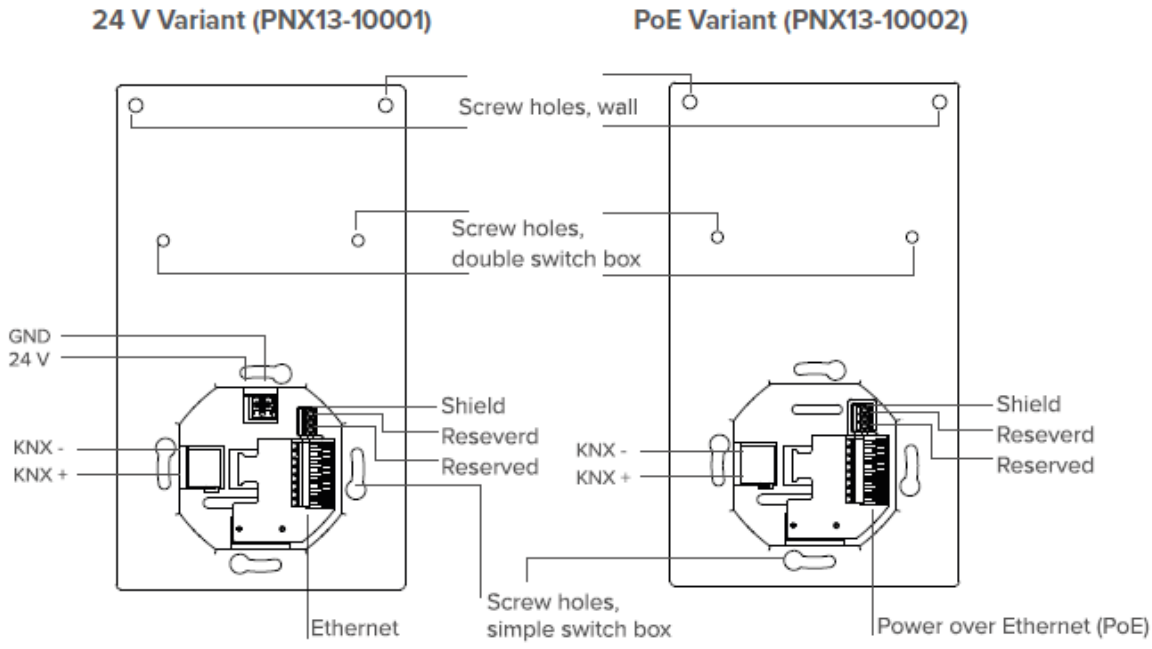
Note: We recommend fusing the panel separately.

- Use a power source of the following specification:
  - 24 V variant; PNX13-10001: 24 V DC, 2.5 A for the control cabinet, for example: Item number: PNX12-10010

1. Connect the network cable to the LAN board as shown in the picture on the left.



2. Fasten the network cable to the white housing using a cable tie.
    - While doing this, clamp the shielding between the cable and the designated area on the board.
3. Only 24 V variant; PNX13-10001: Connect the cable wires of the power supply unit with the pluggable screw terminal included in the scope of delivery.
4. Plug the KNX cable with the colors red (+) and black (-) into the pluggable KNX-terminal
    - **Connecting the panel**
5. Plug the LAN board onto the LAN connector as shown in the picture on the right.
    - PoE variant, PNX13-10002: If PoE power supply is available, the green LED lights up.
6. Push the prepared plugs for
    - KNX and
    - Power supply (only 24 V variant; PNX13-10001)



    - into the appropriate connections of the mounting plate, as shown in the following picture.
        - **Mounting the panel**

7. Screw the mounting plate to the switch box (suitable switch box for installation: standard screw spacing 60 mm, depth min. 35 mm)
8. Fasten the plate additionally in the upper two holes with two dowels in the wall. If you use a double switch box, use the center holes of the mounting plate for mounting.
9. Insert the panel into the mounting plate.
    - The logo should be at the bottom edge (portrait format).
    - The panel is held by magnets on the mounting plate.
10. **Optional:** Secure the panel from the side or from below with the 4 grub screws included, see chapter Touch panel elements Pos. 6. Use the included tool.

Initial commissioning and operation

Caution

Avoid damage to the panel due to early commissioning!

- Note the climatic conditions at the installation site!
- Before switching on the mounted device, the device must have adapted to the climatic conditions at the installation site.
- Temperature and humidity differences can cause damage to the unit.

Caution

Avoid damage to the glass cover and display!

- The touch-sensitive surface can easily be damaged! Use only your fingers or a touchpen to operate the panel. Do not use sharp or pointed objects.
- Do not use harsh detergents, scouring agent, acids, or organic solvents. Do not use any sharp objects for cleaning.
- Do not let any moisture get into the unit. Do not spray cleaning agents directly onto the surface of the touchscreen.

Touch the panel to operate. A brief touch of the panel is interpreted as a mouse click. A right mouse click is obtained by a prolonged touch (approx. 3 seconds). Text entries can be made using the Windows on-screen keyboard. This can be found in the task bar at the bottom right.

Activate keyboard input

To automatically display the keyboard when tapping on a text input field, do the following:

- Swipe into the screen from the right and select “All settings”.
- Select “Devices” > “Typing”.
- Under “Touch keyboard”, check the last item: “Show the touch keyboard when not in tablet mode and there’s no keyboard attached.”

To display the keyboard icon in the taskbar

- right-click on the taskbar and select “Show touch keyboard button”.

Switching the Control micro on and off

Note: In the delivery state, the panel automatically logs on with the username Controlmicro without a password. After the Login, additional users can be added at any time or further settings may be changed in the Windows Settings.

Switching On

- The panel turns itself on after the fuse is turned on.

Note: In normal operating conditions it is not necessary to switch off the Controlmicro.

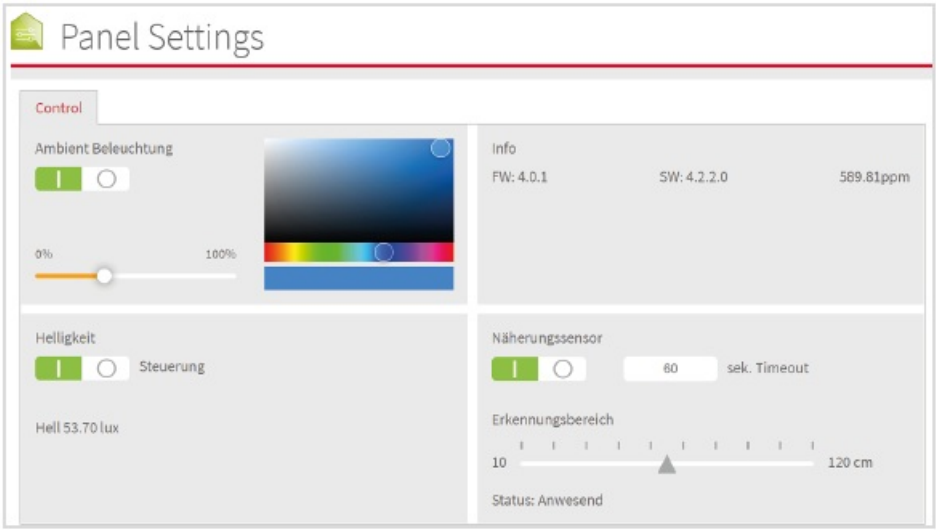
If you need to restart the panel after shutdown, there are 2 ways:

- Disconnect the circuit breaker of the panel.
  - This procedure is suitable if the anti-theft screws have been used.
- Disconnect the panel from the mounting plate so that the power supply is cut off.
- Then reconnect the panel to the mounting plate or turn the fuse back on. The panel starts.

Switching Off

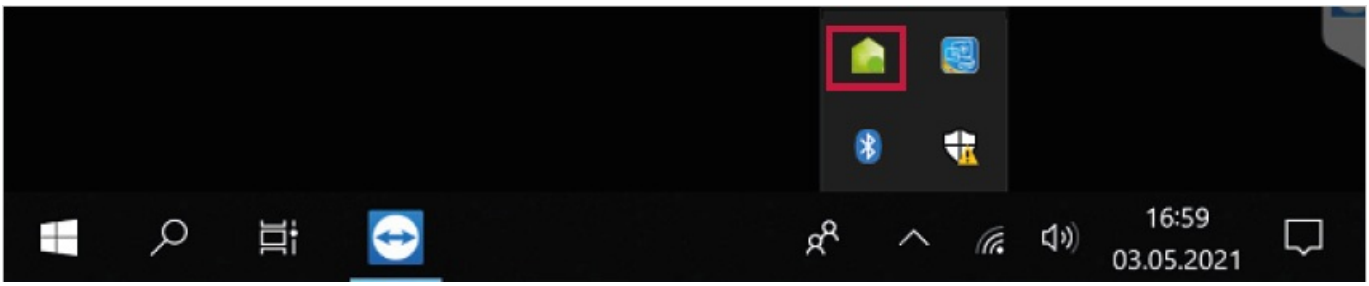
- Tap the Windows logo on the Windows Start screen, select the On/Off icon and select the option “Shut down”.

Control micro panel settings



- This tool gives you access to the CO2 value and to the brightness value, to the ambient light and the proximity sensor.

In the taskbar you have access to the application:



Software

The panel can be operated both with the supplied YOUVI software and with other Windows-compatible software.

Tip: After commissioning and setting up the panel, we recommend that you create a backup using the optionally available recovery stick from PEAKnx.

Operating system

The operating system used is Microsoft Windows 10 IoT Enterprise LTSC. Other programs for the visualization of building information and for building control can be installed later.

Note: PEAKnx provides no service and no warranty for software products from other companies as well as in case of OS driver updates.

YOUVI Software package

The YOUVI Basic visualization software included in the scope of delivery is used to control KNX devices such as sockets, switches, lights, dimmers, RGBW lights, heaters, blinds, or shutters. Thanks to the IP router included in the software package, the panel can run YOUVI's visualization without an external server or additional bus coupler. Only the connection to the IP network and the KNX bus (via the integrated KNX connection on the panel) is necessary.

Note: Everything else about the start with YOUVI can be found in the also-delivered short guide.

Technical support

If you experience problems with your Control micro, please contact our PEAKnx Support Team:

- **Mail:** support@peaknx.com
- **Create a Support Ticket:** support.peaknx.com
- **Phone:** +49-6151-279 1825
- www.peaknx.com

- Otto-Röhm-Strasse 69 64293 Darmstadt Germany
- www.peaknx.com

- info@peaknx.com
- **Document version:** 1.3.0
- **Date:** 08.03.22

Documents / Resources

	PEAKNX PNX13-10002 Controlmicro Touch Panel [pdf] User Manual PNX13-10001, PNX13-10002, PNX13-10002 Controlmicro Touch Panel, Controlmicro Touch Panel, Touch Panel

References

- PEAKnx: Hard- & Software für KNX Smart Homes