

Designo™ Control Point

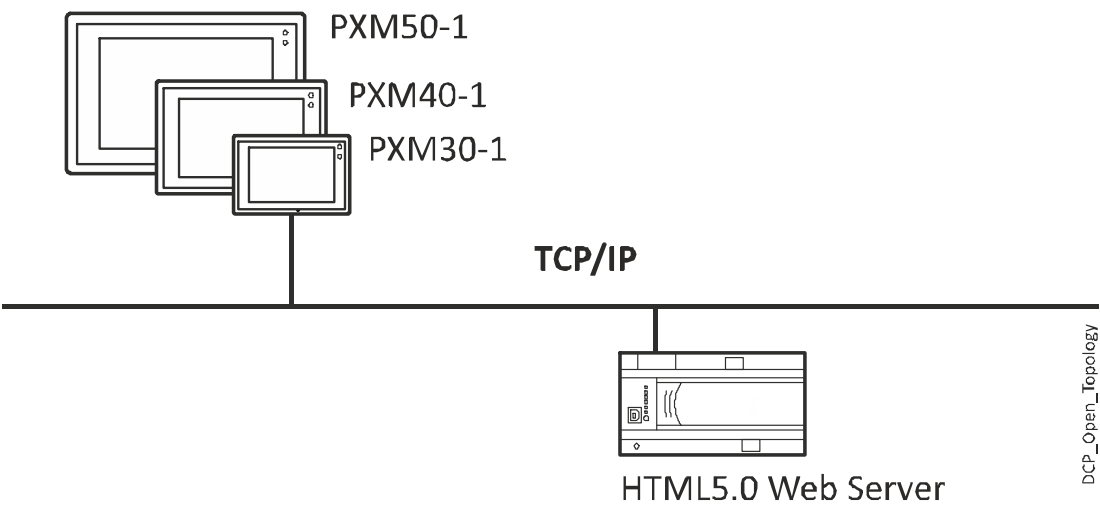
## Touch panel clients 7.0", 10.1" and 15.6"

PXM30-1, PXM40-1, PXM50-1 and mounting frames PXA.V40, PXA.V50



### High-quality touch panels for communication using an HTML5.0 web server (PXG3.W100-2 or PXG3.W200-2)

- Compact design featuring a low installation depth for mounting in panel doors
- Wall-mounting with installation frames for PXM40-1, PXM50-1 (ordered separately)
- High-resolution, capacitive touch displays (landscape)
- Operating voltage AC 24 V, DC 24 V, or Power over Ethernet (PoE) (PXM40-1 and PXM50-1)



Functions

Settings

Different settings are available, however, for user-friendly operation of the touch panel. They can be edited after login.  
For details, see "Desigo Touch Panel client commissioning", A6V11604303.

| Function                                                                                                                                                                                                                                                        | Description                                                                                                                                                                                         |                                                                                 |                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Brightness                                                                                                                                                                                                                                                      | Sets the screen's brightness.                                                                                                                                                                       |                                                                                 |                                                                                                 |
| Time format                                                                                                                                                                                                                                                     | 24 hours or 12 hours (am/pm).                                                                                                                                                                       |                                                                                 |                                                                                                 |
| Date format                                                                                                                                                                                                                                                     | 8 variants are available.                                                                                                                                                                           |                                                                                 |                                                                                                 |
| Language                                                                                                                                                                                                                                                        | Touch panel operating language:<br>Supports 21 languages; the factory setting for the user interface is English.                                                                                    |                                                                                 |                                                                                                 |
|                                                                                                                                                                                                                                                                 | Czech<br>Danish<br>Dutch<br>English<br>Finnish<br>French<br>German                                                                                                                                  | Hungarian<br>Italian<br>Korean<br>Norwegian<br>Polish<br>Portuguese<br>Romanian | Russian<br>Simplified Chinese<br>Traditional Chinese<br>Slovak<br>Spanish<br>Swedish<br>Turkish |
| Keyboard                                                                                                                                                                                                                                                        | The interaction with the keyboard is roughly the same as commercially available products such as smart phone, tablets, etc.                                                                         |                                                                                 |                                                                                                 |
| Auto logout                                                                                                                                                                                                                                                     | Time to logout: 5, 10, 15, 30, 45, 60 minutes<br>The automatic logout can be set at intervals of 5 to 60 minutes, including the ability to suppress automatic logout for certain technical reasons. |                                                                                 |                                                                                                 |
| Screensaver                                                                                                                                                                                                                                                     | Screensaver time: 5, 10, 15, 30, 45, 60 minutes and 10 hours<br>Default time: 15 min.                                                                                                               |                                                                                 |                                                                                                 |
| Warning: Changing the screen saver time from the default setting to 10 h can reduce the device life time. The impact on the device life time must be calculated depending on the individual use case and the specified display life time (technical data p. 5). |                                                                                                                                                                                                     |                                                                                 |                                                                                                 |

## Type summary

| Type    | Stock number | Description            |
|---------|--------------|------------------------|
| PXM30-1 | S55623-H131  | Touch panel client 7"  |
| PXM40-1 | S55623-H132  | Touch panel client 10" |
| PXM50-1 | S55623-H133  | Touch panel client 15" |

## Accessories

| Type    | Stock number | Description                                           | Document No |
|---------|--------------|-------------------------------------------------------|-------------|
| PXA.V40 | S55842-Z119  | Wall-mount frame for flush mounting of PXM40-1        |             |
| PXA.V50 | S55842-Z120  | Wall-mount frame for flush mounting of PXM50-1        |             |
| PXA.S30 | S55842-Z123  | Mounting set for surface mounting of PXM30-1, PXM30.E | A6V11646070 |

The accessories must be ordered separately.

## Product documentation

| Document                                | Document no. |
|-----------------------------------------|--------------|
| Desigo Touch Panel client commissioning | A6V11604303  |

Related documents such as the environmental declarations, declarations of conformity, etc., can be downloaded from the following Internet address:

[www.siemens.com/bt/download](http://www.siemens.com/bt/download)

## Notes

### Safety

|  <b>CAUTION</b> |                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <b>National safety regulations</b><br>Failure to comply with national safety regulations may result in personal injury and property damage. <ul style="list-style-type: none"><li>Observe national provisions and comply with the appropriate safety regulations.</li></ul> |

## Engineering

For additional information on cable lengths, topology, etc.:  
See Desigo Control Point client commissioning (A6V11604303).

## Mounting

### Mounting types

The devices are suitable for installation in panel doors

Mounting frames are available for wall mounting (ordered separately, see accessories):

- PXM40-1 and PXM50-1 (flush mounting e.g. cavity walls)
- PXM30-1 (surface mounting, e.g. panels doors or walls)

### Mounting Instructions

Mounting installations are printed on the unit's packaging material.

### Cut outs for panel installation and wall mounting

See "Dimensions".

## Installation

Power is connected to a plug-in screw terminal block.  
This connection is not required for Power over Ethernet (PoE).

## Commissioning

Touch panels can be commissioned without tools.  
All necessary network parameters can be entered directly on the unit.  
Each device has a unique identification number to ensure efficient commissioning.  
It is also printed on the removable barcode label.

## LED display (front side)

| Color | Activity                       | Function                                                                                             |
|-------|--------------------------------|------------------------------------------------------------------------------------------------------|
| Green | Off                            | Device is not powered                                                                                |
|       | Flashing                       | Start-up or the program is stopped                                                                   |
|       | On                             | Device is operational and no pending events <sup>1)</sup>                                            |
| Red   | Off                            | OK                                                                                                   |
|       | On                             | Program error<br>Hardware fault<br>Pending events <sup>1)</sup>                                      |
|       | Flashing 1 Hz                  | Wrong or corrupt software<br>No application loaded<br>Faulty server-link configuration <sup>2)</sup> |
|       | Flashes in wink command rhythm | Physical device ID                                                                                   |

<sup>1)</sup> event status is only shown for integrated data points

<sup>2)</sup> for example when using a different web server than Desigo Control Point

## Service button (rear side) (Only for devices with series B and higher, see printing on the device)

|                                                                                     | Press              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Short              | Physical identification on the network (Ethernet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                     | As per description | Do the following to reset the device to factory state:<br><ol style="list-style-type: none"><li>1. Power off the device.</li><li>2. Power on the device.</li><li>3. Wait until the LED lights up and turns off again, then press the Service button.</li><li>4. Keep the Service button pressed until the LED lights up again, then release the button.</li><li>5. Wait until the device has fully started – unconfigured (LED flashes red/green)</li></ol> Pre-loaded apps are still available. The FW remains unchanged |

## Maintenance

### Cleaning

Touch panels are maintenance free.

Dirt on the display can be cleaned using off-the-shelf display cleaners for smart phones, a moist rag, and/or off-the-shelf microfiber cloth for monitors or glasses.

Recommended products:

- Lysol towel
- Clorex towel
- Water with 2% alcohol
- Damp microfiber cloth
- H<sub>2</sub>O<sub>2</sub> hydrogen peroxide
- Sterillium® Classic Pure

## Firmware upgrade

You can update the firmware with ABT Site tool. We support firmware updates throughout the product life cycle. If necessary, please inform you via the Siemens Industry Online Support (SIOS) portal page.

## Repair

For possible repairs or spare parts, please contact your Siemens customer service or inform yourself via the Siemens Industry Online Support (SIOS) portal page. Repairs may only be carried out by approved repair companies.

## Product support

Product support for the devices is offered throughout the product life cycle.

## Disposal

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>This symbol or any other national label indicate that the product, its packaging, and, where applicable, any batteries may not be disposed of as domestic waste. Delete all personal data and dispose of the item(s) at separate collection and recycling facilities in accordance with local and national legislation.</p> <p>For additional details, refer to <a href="#">Siemens information on disposal</a>.</p> |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Technical data

### Power supply and HW information

|                                                                                                                                |                                                                                                                                                                           |                                                           |                                                           |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Power supply type                                                                                                              | Internal                                                                                                                                                                  |                                                           |                                                           |
| Operating voltage<br>Safety Extra-Low Voltage SELV or<br>Protection by Extra Low Voltage per HD384                             | AC 24 V $\pm 20\%$ (SELV / PELV)<br>AC 24 V class 2 (US)<br>DC 24 V $\pm 15\%$ (SELV / PELV)<br>DC 24 V class 2 (US)                                                      |                                                           |                                                           |
| PoE: PoE switches and injectors must comply with IEEE 802.3at                                                                  | DC 48 V (PoE Class 4, alternative A, 25.5 W)<br>(PXM40-1, PXM50-1 only)                                                                                                   |                                                           |                                                           |
| Frequency                                                                                                                      | 50/60 Hz                                                                                                                                                                  |                                                           |                                                           |
| Maximum power consumption<br>At AC 24 V<br>At DC 24 V<br>PoE *)                                                                | <b>PXM30-1</b><br>Max. 29 VA<br>Max. 17 W<br>--                                                                                                                           | <b>PXM40-1</b><br>Max. 32 VA<br>Max. 21 W<br>Max. 22 W *) | <b>PXM50-1</b><br>Max. 42 VA<br>Max. 26 W<br>Max. 25 W *) |
| *) Applies to normal operation. Can be higher at start-up (IEEE 802.3at Class 4)                                               |                                                                                                                                                                           |                                                           |                                                           |
| Functional ground (US)<br>Functional earth  | Earthing of the housing via the screw connection on the rear side is recommended                                                                                          |                                                           |                                                           |
| Processor                                                                                                                      | Texas Instruments AM5727, 1.5 GHz, Dual Core                                                                                                                              |                                                           |                                                           |
| Memory                                                                                                                         | 8 GB eMMC, 2 GB SDRAM (DDR3L)                                                                                                                                             |                                                           |                                                           |
| Operating system                                                                                                               | Linux                                                                                                                                                                     |                                                           |                                                           |
| Screw terminals for wire cross sections up to                                                                                  | 2.5 mm <sup>2</sup>                                                                                                                                                       |                                                           |                                                           |
| External supply line fusing (EU)<br>At AC / DC 24 V power                                                                      | Non-renewable fuse max. 10 A slow or<br>circuit breaker max. 13 A<br>Tripping characteristic B, C, D per EN 60898 or<br>Power supply with current limitation of max. 10 A |                                                           |                                                           |

## Display

|                                                | PXM30-1                         | PXM40-1                   | PXM50-1                 |
|------------------------------------------------|---------------------------------|---------------------------|-------------------------|
| Size<br>Diagonal<br>W x H                      | 7.0“<br>15.4 x 8.7 cm           | 10.1“ “<br>21.7 x 13.6 cm | 15.6“<br>34.4 x 19.4 cm |
| Visible screen area                            | 134 cm²                         | 295 cm²                   | 667 cm²                 |
| Resolution                                     | 1024 x 600                      | 1280 x 800                | 1366 x 768              |
| Type                                           | TFT-LCD                         |                           |                         |
| Display category                               | Status display or control panel |                           |                         |
| Number of colors                               | 16.2 mn                         |                           |                         |
| Viewing angle H/V typical                      | 120 / 110°                      | 150 / 145°                |                         |
| Backlit display                                | LED, dimmable                   |                           |                         |
| Touch pad                                      | Projective capacitive           |                           |                         |
| Life time at ambient temperature 20 °C (68 °F) | 30,000 hours                    | 50,000 hours              | 50,000 hours            |

## Connections

### Screw terminals, plug-in

|                                           |                                                                                                           |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Cu-wire or Cu-strand with wire end sleeve | 1 x 0.6 mmØ to 2.5mm <sup>2</sup> (22 to 14 AWG) or<br>2 x 0.6 mmØ to 1.0 mm <sup>2</sup> (22 to 18 AWG)  |
| Cu-strand without wire end sleeve         | 1 x 0.6 mmØ to 2.5 mm <sup>2</sup> (22 to 14 AWG) or<br>2 x 0.6 mmØ to 1.5 mm <sup>2</sup> (22 to 16 AWG) |
| Stripping length                          | 6...7.5 mm (0.24...0.29 in)                                                                               |
| Slotted screws                            | Screwdriver, size 1<br>with shaft Ø ≤ 4.5 mm                                                              |
| Max. tightening torque                    | 0.6 Nm (0.44 lb ft)                                                                                       |

### Ethernet interface

|                                              |                                          |
|----------------------------------------------|------------------------------------------|
| Plug                                         | RJ45, screened                           |
| Cable type                                   | Min. CAT5, shielded cable is recommended |
| Interface type                               | 100BASE-TX, IEEE 802.3 compatible        |
| Bit rate                                     | 10/100 Mbps, autosensing                 |
| Protocol                                     | BACnet/IP on UDP/IP, BACnet/SC on TCP/IP |
| Galvanic isolation of system neutral $\perp$ | Yes                                      |

### Interface USB 2.0

|                                                   |                 |
|---------------------------------------------------|-----------------|
| Plug                                              | Type B (device) |
| Data rate (USB 2.0 full speed)                    | 12 Mbps         |
| Protective switch against surges and over current | Yes             |
| Galvanic isolation of system neutral $\perp$      | No              |

## Conformity

| Ambient conditions and protection classification                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assigned per EN 62368-1                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>Degree of pollution</li> <li>Overvoltage category</li> </ul>                                                                                                                                            | <ul style="list-style-type: none"> <li>2</li> <li>I</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protection against electric shock                                                                                                                                                                                                              | Protection class III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Degree of protection of housing to EN 60529                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>From the front</li> <li>From the back (panel mounted)</li> </ul>                                                                                                                                        | <ul style="list-style-type: none"> <li>IP54</li> <li>IP20</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Climatic ambient conditions                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>Transport and storage (packaged for transport) as per IEC/EN 60721-3-2 / -3-1</li> <li>Operation per IEC/EN 60721-3-3 (wall mounted)</li> <li>Operation per IEC/EN 60721-3-3 (panel mounted)</li> </ul> | <ul style="list-style-type: none"> <li>Class 1K22 / 2K12<br/>Temperature -40...+70 °C (-40... +158 °F)<br/>Air humidity 5...95%</li> <li>Class 3K23<br/>Operation in dry locations having no temperature or humidity control<br/>Temperature 0...40 °C (32... 104 °F)<br/>Air humidity 5...95 % (non-condensing)</li> <li>Class 3K23<br/>Operation in dry locations having no temperature or humidity control<br/>Temperature 0...50 °C (32... 122 °F)<br/>Air humidity 5...95 % (non-condensing)</li> </ul> |
| Mechanical ambient conditions                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <ul style="list-style-type: none"> <li>Transport (in transport packaging) per IEC/EN 60721-3-2</li> <li>Operation per IEC/EN 60721-3-3</li> </ul>                                                                                              | <ul style="list-style-type: none"> <li>Class 2M4</li> <li>Class 3M11</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Elevation above sea level                                                                                                                                                                                                                      | Max. 3,000 m above sea level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Standards, directives and approvals       |                                                                                                                                                                                                        |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product standard EN 62368-1               | Information Technology Equipment - Safety - Part 1                                                                                                                                                     |
| Electromagnetic compatibility             | For residential, commercial, and industrial environments                                                                                                                                               |
| EU conformity (CE)                        | See CE declaration <sup>1)</sup>                                                                                                                                                                       |
| UK conformity (UKCA)                      | See UK declaration <sup>1)</sup>                                                                                                                                                                       |
| EAC compliance                            | Eurasian compliance                                                                                                                                                                                    |
| RCM conformity                            | See RCM declaration <sup>1)</sup>                                                                                                                                                                      |
| UL approbation (US)                       | UL 916, <a href="http://ul.com/database">http://ul.com/database</a>                                                                                                                                    |
| cUL-Approbation (Canada)                  | cUL 916, <a href="http://ul.com/database">http://ul.com/database</a>                                                                                                                                   |
| FCC                                       | CFR 47 Part 15 Class B                                                                                                                                                                                 |
| CSA certification                         | C22.2, <a href="http://www.csagroup.org/services-industries/product-listing/">www.csagroup.org/services-industries/product-listing/</a>                                                                |
| BACnet                                    | Profile: B-OD<br>Revision: 1.16<br>Detailed information on BACnet certificates, BTL listings, and PICS can be found on the BACnet website ( <a href="#">filtered for Siemens products</a> )            |
| Environmental compatibility <sup>1)</sup> | The product environmental declaration contains data on environmentally compatible product design and assessments (RoHS compliance, materials composition, packaging, environmental benefit, disposal). |

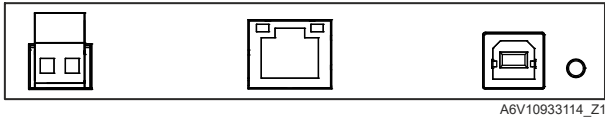
<sup>1)</sup> Documents can be downloaded at <http://siemens.com/bt/download>.

Housing

| Touch panels                  | PXM30-1                                   | PXM40-1                                    | PXM50-1       |
|-------------------------------|-------------------------------------------|--------------------------------------------|---------------|
| Dimensions                    | See "Dimensions"                          |                                            |               |
| Color                         | Matt aluminum frame;<br>Glass, reflecting | Matt aluminum frames;<br>glass, reflecting |               |
| Weight without/with packaging | 1117 / 1745                               | 1810 / 2264 g                              | 3788 / 4662 g |

| Wall mount frames             | PXA.V40            | PXA.V50       |
|-------------------------------|--------------------|---------------|
| Dimensions                    | See "Dimensions"   |               |
| Color                         | Steel, zinc-plated |               |
| Weight without/with packaging | 1206 / 1640 g      | 2104 / 2917 g |

Connection terminals, service button

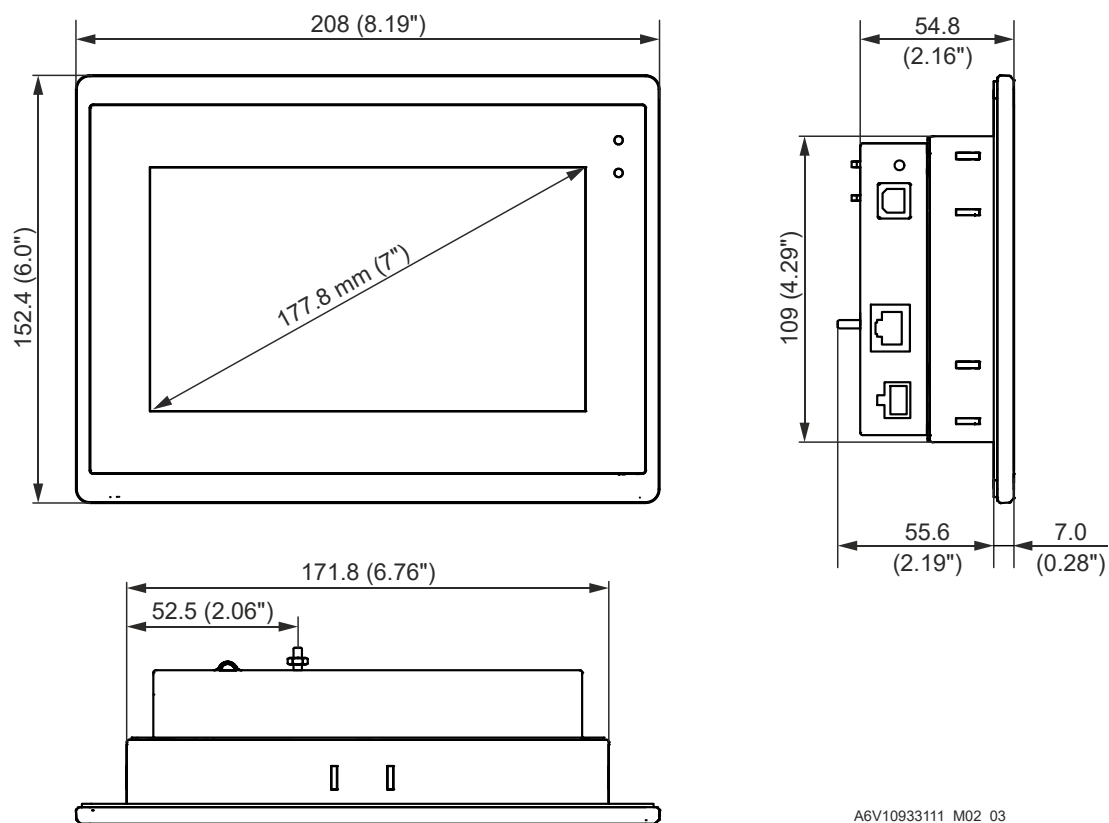


AC / DC 24 V                      LAN RJ45                      USB                      Reset / series B and higher: Service button

## Dimensions

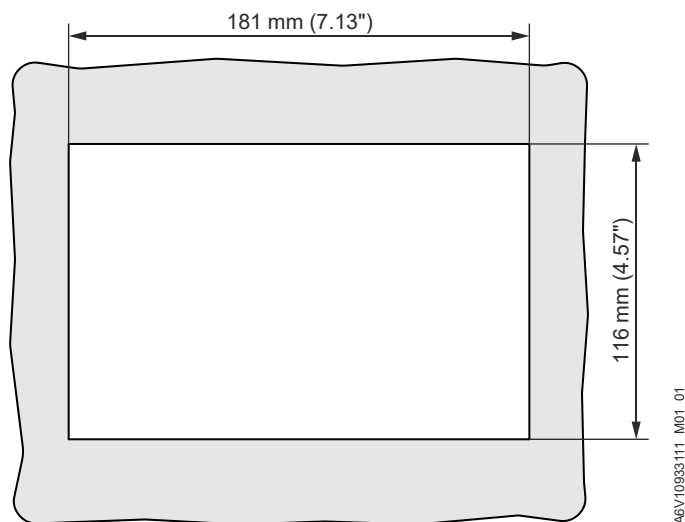
All dimensions provided in mm and inches.

### PXM30-1



A6V10933111\_M02\_03

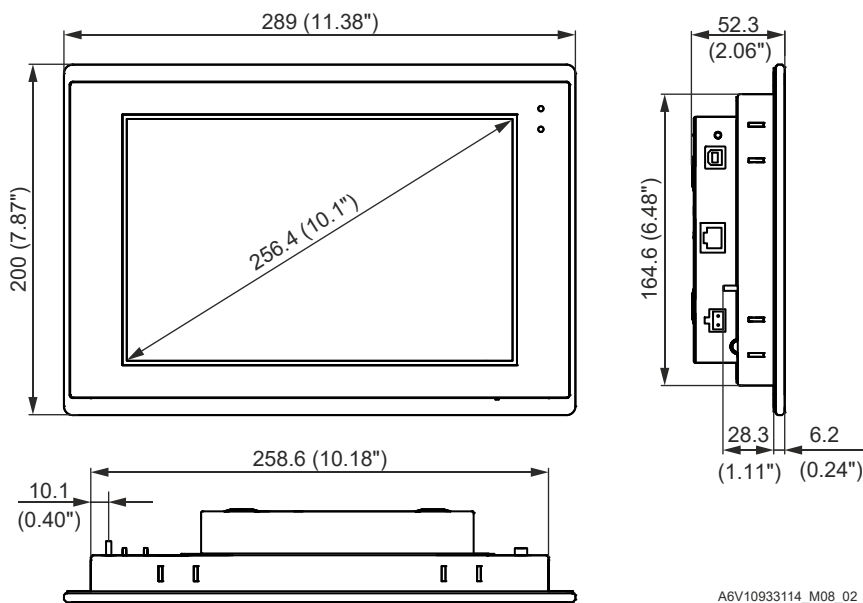
### Panel cut out



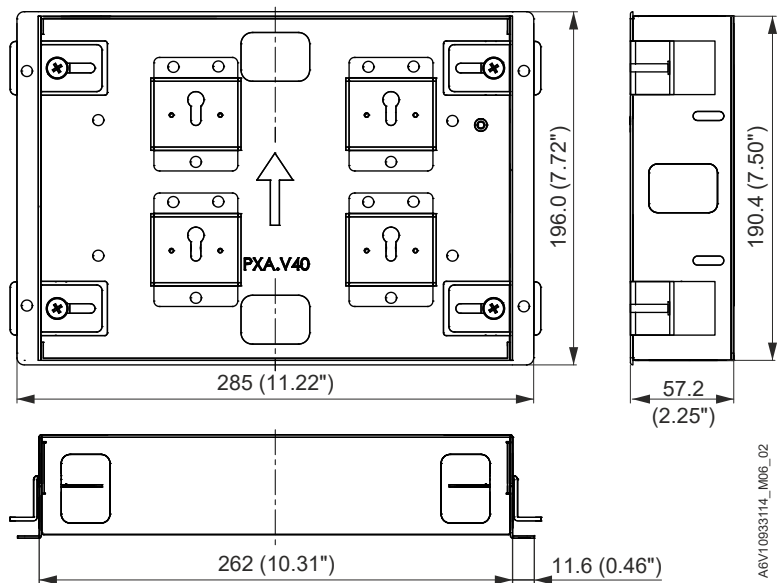
A6V10933111\_M01\_01

**Mounting kit PXA.S30:** see data sheet A6V11646070

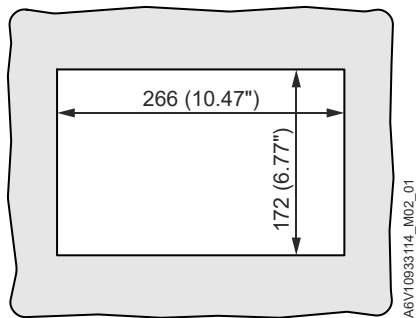
PXM40-1



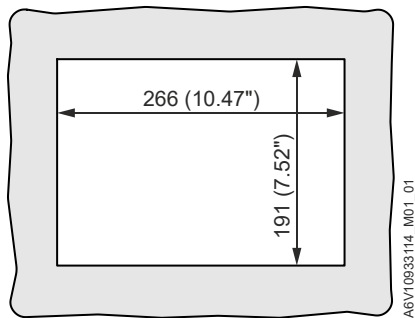
PXA.V40



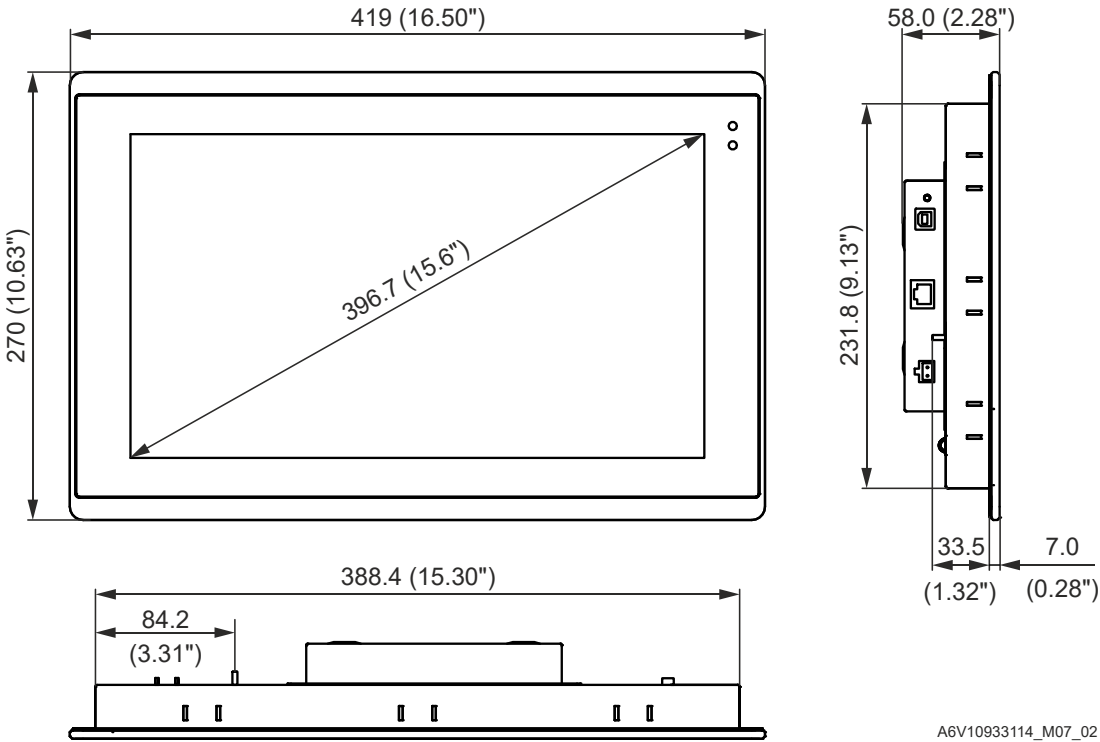
Panel cut out



Wall cut out

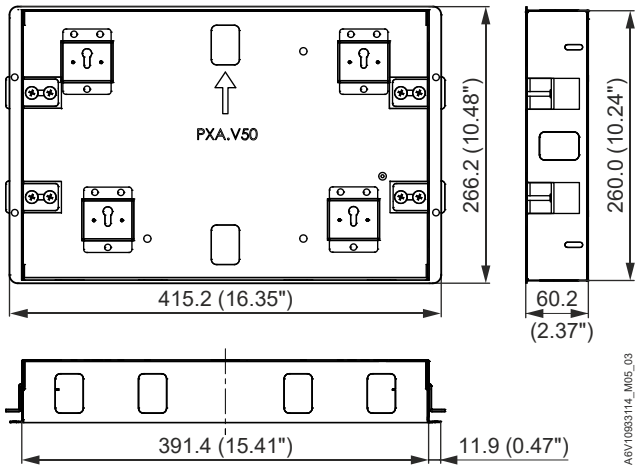


PXM50-1



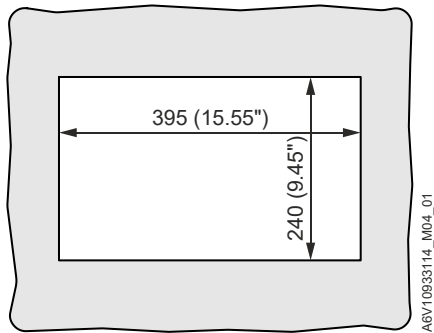
A6V10933114\_M07\_02

PXA.V50



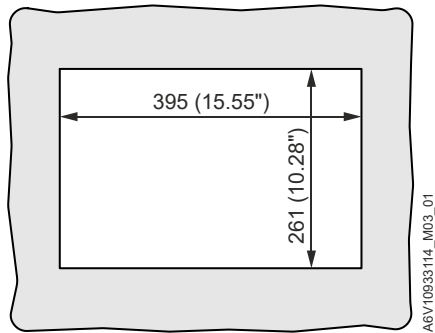
A6V10933114\_M05\_03

Panel cut out



A6V10933114\_M04\_01

Wall cut out



A6V10933114\_M03\_01

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