TPC35 Display and Operator Panel

Application
The TPC35 is a remote display and operator panel for the BMR. It has an active matrix color LCD touchscreen with a screen size of 3.5” / 8.9 cm.
For direct communication with one or several BMRs, the TPC35 has a built-in Ethernet interface.
The TPC35 is suitable for installation in the front panel.
With the TPC35, up to 3 BMRs can be operated.
The user interface is available in 12 languages. (Czech, Dutch, English, French, German, Hungarian, Italian, Latvian, Polish, Russian, Spanish and Swedish)
Important Information Regarding Product Safety

Safety Instructions
This data sheet contains information on installing and commissioning the product "TPC35". 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.
## TPC35 Product Description

### Item

| TPC35  | Remote display and operator panel for the BMR |

### Technical Data

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage</td>
<td>DC 12 V ± 20 %, 8 W or DC 24 V ± 20 %, 8 W</td>
</tr>
<tr>
<td>Fuse</td>
<td>AC 125 V, 5 A</td>
</tr>
<tr>
<td>Indicators and controls</td>
<td>Backlit active matrix LCD</td>
</tr>
<tr>
<td></td>
<td>• Screen size: 3.5” / 8.9 cm</td>
</tr>
<tr>
<td></td>
<td>• Resolution: 320 x 240 pixels</td>
</tr>
<tr>
<td></td>
<td>• 64,000 colors</td>
</tr>
<tr>
<td></td>
<td>• Contrast 300:1</td>
</tr>
<tr>
<td></td>
<td>• Brightness: 200 cd/m²</td>
</tr>
<tr>
<td></td>
<td>• Operating life of backlighting: 30,000 h</td>
</tr>
<tr>
<td>Interfaces</td>
<td>Ethernet 10/100 Base-T (RJ45)</td>
</tr>
<tr>
<td></td>
<td>USB1.1 host (with supplied adapter cable with socket type A)</td>
</tr>
<tr>
<td></td>
<td>RS232 (not used)</td>
</tr>
<tr>
<td></td>
<td>RS485 (not used)</td>
</tr>
<tr>
<td>Housing</td>
<td>ABS, dark gray</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP65 (when installed)</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0 °C to 50 °C</td>
</tr>
<tr>
<td>Ambient humidity</td>
<td>During operation: 10 % to 95 % r.h., non-condensing</td>
</tr>
<tr>
<td>Installation</td>
<td>Front panel</td>
</tr>
<tr>
<td>Certification</td>
<td>CE, BSMI, CCC, FCC, UL</td>
</tr>
<tr>
<td>Weight</td>
<td>0.25 kg</td>
</tr>
<tr>
<td>Dimensions (WxHxD in mm)</td>
<td>120.8 x 85.5 x 26.5</td>
</tr>
</tbody>
</table>

### Accessories (included in delivery)

- Fastening plate
- 4 short screws
- 4 long screws
- USB adapter cable (micro-AB plug to type A socket)

### Accessories (not included in delivery)

<table>
<thead>
<tr>
<th>Z62</th>
<th>Adapter frame for TPC35</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Format: 19”</td>
</tr>
<tr>
<td></td>
<td>• Front cutout: fits TPC35</td>
</tr>
<tr>
<td></td>
<td>• Standard rail reverse side: One row, 414 mm wide (23 HP), 1 BMR, 3 FBUs and 3 HP free, for example</td>
</tr>
<tr>
<td></td>
<td>• Z62 with BMR and TPC35 can be used as a replacement for MRP with SP in a KA frame.</td>
</tr>
</tbody>
</table>
Dimensions

Front Panel Cutout
Connection

1 Ethernet
2 Serial interface (not used)
3 Power supply
4 SD
5 USB host

Power Supply

NOTICE
Danger of damaging the device
Ensure that it is correctly connected to the power supply.

12V=
24V=
**Installation**

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

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**Front panel installation**

**NOTE**
The thickness of the front panel must be less than 3.5 mm.

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**Removal**

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

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**Front panel installation**

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Installation

Starting the TPC35
► Connect the power supply to the device.
After the operating system starts, the configuration screen appears for 10 seconds:

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

Configuring the TPC35
► Tap the icon "Settings" (2).

Configuring a connected BMR controller
► Tap the icon "Settings" (2).
► Tap “BMR controller” (4).
► Configure the properties displayed.