7.5" Touch Screen Operator Interface

Features:
- 65,536 Colors, Clear, Bright, High-Resolution TFT Display
- Energy Efficient LED Display
- Choice Analog Touch Panel for Improved Visibility and Precise Part Placement
- Supports Up to Two Protocol Drivers Simultaneously
- High Speed Application Transfer, 10 Times Faster than Conventional Operator Interfaces
- 10/100 Base-T Ethernet, USB, Serial Communication, and SD Card Interfaces
- High-Definition Part Images and Multi-Language Support

Specifications

Model | PFXGP4401TAD
---|---
Graphics Display Resolution | 640 x 480 pixels (VGA)
Display Type and Size | TFT Color LCD (7.5 inch)
Display Colors | 65,536 Colors (No Blink)/16,384 Colors (Blink)
Display Area | W153.7 x H115.8 mm [W6.05 x H4.56 in.]
Touch Screen | Resistive film analog 1024 x 1024 resolution
USB | USB Type-A (2.0) x 1, USB mini-B (2.0) x 1
SD Card | SD Card slot x 1 (maximum 32 GB SD/SDHC Card)
Serial | COM1: RS-232C Asynchronous Transmission Data Length: 7 or 8 bit, Parity: None, Odd or Even, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 bps to 115.2 kbps, Connector: D-Sub9 (plug)
| COM 2: RS-422/485 Asynchronous Transmission Data Length: 7 or 8 bit Parity: None, Odd or Even Stop Bit: 1 or 2 bit Data Transmission Speed: 2,400 bps to 115.2 kbps, 187.5kbps (MPI) Connector: D-Sub9 (plug)
Ethernet | Ethernet IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX
Backlight | White LED (User nonreplaceable parts. When replacement is required, contact your local distributor)
Brightness and Contrast Controls | 16 levels of adjustment available via touch panel or the software
Programming Memory | 32MB FEPROM (GP-Pro EX V3.0 or later)
Backup Memory | 512kb SRAM with battery backup

General Specifications

Model | PFXGP4401TAD
---|---
Input Voltage | Rated DC24V (Limits DC19.2 to 28.8V)
Power Consumption | 12 W or less
Ambient Operating Temp. | 0°C (32°F) to 55°C (131°F)
Storage Temperature | -20 to 60 °C [4 to 140 °F]
Altitude Endurance | 800hPa to 1114hPA (2000 meters or lower)
Certifications | CE, UL Listed C1 Div 2 (C1 Div 2 is only available on Rev. B units), RoHS, ABS (American Bureau of Shipping), DNV (Norway – Marine)
Humidity - Ambient/Storage | 10 to 90 % RH (Wet bulb temperature: 39 °C [102.2 °F] or less - no condensation.)
Noise Immunity | Noise Voltage: 1,000 Vp-p, Pulse Duration: 1 µs, Rise Time: 1 ns (via noise simulator)
Cooling Method | Natural air circulation
Electrostatic Discharge Immunity | Contact Discharge Method: 6 kV (IEC/EN61000-4-2 Level 3)
Vibration Resistance | IEC/EN61131-2 compliant, 5 to 9 Hz Single amplitude 3.5 mm [0.14 in.], 9 to 150 Hz Fixed acceleration: 9.8 m/s², X, Y, Z directions for 10 cycles (approx. 100 min)
Shock during operation | IEC/EN 61131-2 compliant 147 m/s², X, Y, Z directions for 3 times
Rating | Equivalent to IP65T, Nema #250 Type 4x (Equivalent to NEMA 12 with the addition of "Oil or Spraying and Splashing") when properly installed in an enclosure
Weight | 1.2 kg [2.6 lb] or less (display unit only)
External Dimensions | W218 x H174 x D60 mm [W8.58 x H6.85 x D2.36 in.]
Warranty | Two-year standard (maximum 4 years)

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## GP-4401T - External Dimensions

Unit: mm [in.]

![External Dimensions Diagram]

### Ordering Information

<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
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<tr>
<td>PFXGP4401TAD</td>
<td>GP-4401T: 7.5” TFT Color Touchscreen (Analog), VGA, 2x Serial, Ethernet, 2x USB, SD, 24VDC, UL/CE</td>
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### Optional Items

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<td>PFXZCBSD4GC41</td>
<td>SD Memory Card (4 GB, Class 4)</td>
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<td>PFXZCBS71</td>
<td>Touch Screen Protection Sheet (Qty 5) for 7.5” GP4000</td>
</tr>
<tr>
<td>GP-Pro EX (EX-ED-Vx)</td>
<td>Screen and Logic Development Software (ver 3.0 or newer)</td>
</tr>
<tr>
<td>PLC Cables &amp; Accessories</td>
<td>See AGP3000 Connectivity Document</td>
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</table>

Caution: Before operating any of these products, please be sure to read all related manuals thoroughly.

- All product names used in this document are trademarks or registered trademarks of their respective companies.
- All information contained in this document is subject to change without notice.

## GP-4401T - Cut-Out Dimensions

Unit: mm [in.]

![Cut-Out Dimensions Diagram]

### Easily Transfer Data

Screen data can be updated by using the data transfer tool, even without a software license.

![Data Transfer Diagram]

The data transfer tool can be downloaded for free from the Web: [www.profaceamerica.com](http://www.profaceamerica.com)

## Connectivity

### Ethernet Multi-Link function

The Ethernet Multi-Link function allows you to easily add a GP as a sub-display to the facility without changing any settings of the control device.

![Ethernet Multi-Link Diagram]

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Pro-face America
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