Pro-face
by Schneider Electric

**Datasheet**

# 7.5" Touch Screen Operator Interface

TouchPanel Operation




7.5-inch TFT Color
Touch Screen Operator Interface
GP-4401T
Model: PFXGP4401TAD
DC 24V
VGA
7.5-inch
SD Card
Ethernet
Powered by Screen Editor GP-Pro EX
c UL us LISTED

## Features:

- 65,536 Colors, Clear, Bright, High-Resolution TFT Display
- Energy Effecient 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) x1 |
| 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)<br><br>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 Cl 1 Div 2 (Cl 1 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 IP65f, Nema #250 Type 4x/13 (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) |

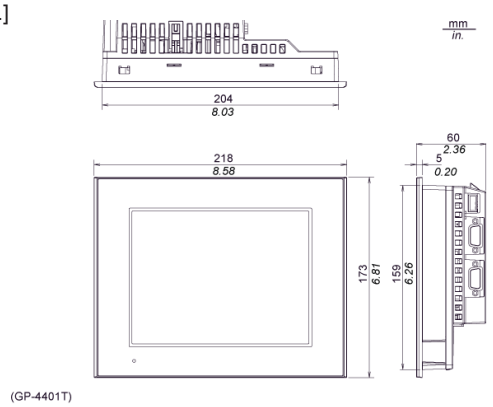
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## GP-4401T - External Dimensions

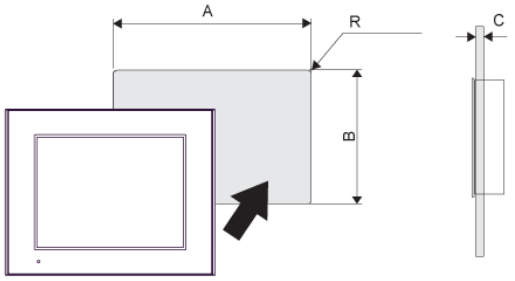
Unit: mm [in.]




(GP-4401T)

## GP-4401T - Cut-Out Dimensions

Unit: mm [in.]




| A | B | C | R |
|---|---|---|---|
| 204.5 mm (+1, -0 mm) (8.05 in. [+0.04, -0 in.]) | 159.5 mm (+1, -0 mm) (6.28 in. [+0.04, -0 in.]) | 1.6...5 mm (0.06...0.2 in.) | 3 mm (0.12 in.) maximum |

## Ordering Information

| Part Number | Description |
|---|---|
| PFXGP4401TAD | **GP-4401T**: 7.5" TFT Color Touchscreen (Analog), VGA, 2x Serial, Ethernet, 2x USB, SD, 24VDC, UL/CE |

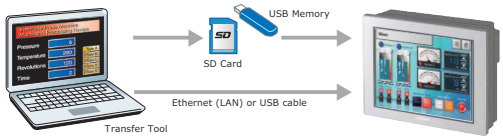
## Optional Items

| Part Number | Product Name |
|---|---|
| PFXZCBSD4GC41 | SD Memory Card (4 GB, Class 4) |
| PFXZCBDS71 | Touch Screen Protection Sheet (Qty 5) for 7.5" GP4000 |
| GP-Pro EX (EX-ED-Vx) | Screen and Logic Development Software (ver 3.0 or newer) |
| PLC Cables & Accessories | See AGP3000 Connectivity Document |

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.

## Easily Transfer Data

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

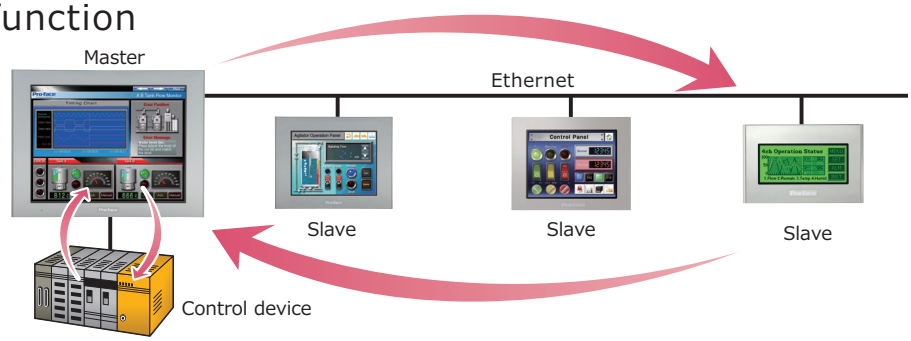



The data transfer tool can be downloaded for free from the Web
http://www.profaceamerica.com

## 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.





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