

# 3.5" Touch Screen Operator Interface



**Features:**

- 65,536 Colors, Clear, Bright, High-Resolution TFT Display
- Energy Efficient LED Display
- No Grid 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
- USB, and Serial Communication Interfaces
- High-Definition Part Images and Multi-Language Support

**Specifications**

Model	PFXGP4201TADW
Graphics Display Resolution	320 x 240 pixels (QVGA)
Display Type and Size	TFT Color LCD (3.5 inch)
Display Colors	65,536 Colors (No blink)/16,384 Colors (Blink)
Display Area	W70.56 x H52.92 mm [W2.78 x H2.08 in.]
Touch Screen	Resistive film analog 1024 x 1024 resolution
USB	USB Type-A (2.0) x 1 , USB mini-B (2.0) x1
Serial	COM1: RS-232C/422/485 Asynchronous Transmission, Data Length: 7 or 8 bit, Parity: None, Even or Odd, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 bps to 115.2 kbps, 187.5 kbps(MPI), Connector: D-Sub9 (plug)  COM2: RS-485 (isolation) Asynchronous Transmission, Data Length: 7 or 8 bit, Parity: None, Even or Odd, Stop Bit: 1 or 2 bit, Data Transmission Speed: 2,400 bps to 115.2 kbps, 187.5 kbps (MPI), Connector: D-Sub9 (socket)
Backlight	White LED (User nonreplaceable parts. When replacement is required, contact your local distributor.
Brightness and Contrast Controls	8 levels of adjustment available via touch panel (or the software)
Programming Memory	8MB EPROM (GP-Pro EX V3.0 or later)
Backup Memory	128kb SRAM with battery backup

3.5-inch TFT Color Touch Screen Operator Interface

**GP-4201TW**

Model: PFXGP4201TADW

DC 24V

QVGA

**3.5-inch**

Powered by

Screen Editor

**GP-Pro EX**

UL LISTED

CE

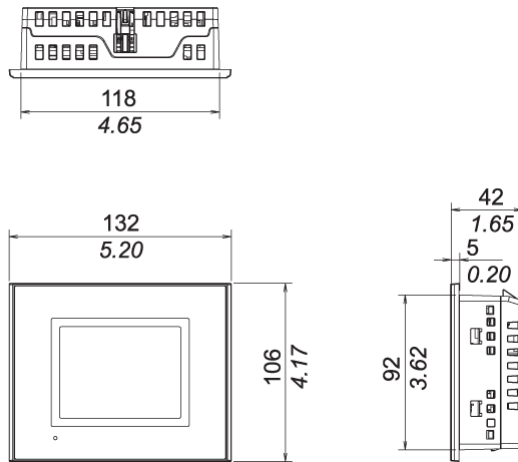
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**General Specifications**

Model	PFXGP4201TADW
Input Voltage	Rated DC24V (Limits DC19.2 to 28.8V)
Power Consumption	9.6 W or less
Ambient Operating Temp.	0°C (32°F) to 50°C (122°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/EN61131-2 compliant 147 m/s², X, Y, Z directions for 3 times
Rating	Equivalent to IP65f, Nema #250 Type 4x13 (Equivalent to NEMA 12 with the addition of "Oil or Spraying and Splashing") when properly installed in an enclosure
Weight	0.4 kg [0.9 lb] or less (display unit only)
External Dimensions	W132 x H106 x D42 mm [W5.2 x H4.17 x D1.65 in.]
Warranty	Two-year standard (maximum 4 years)

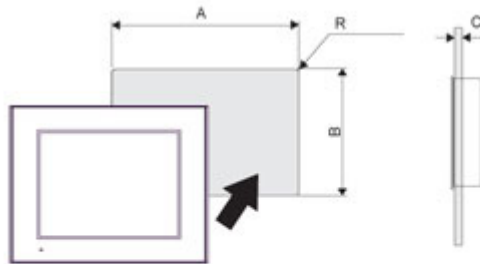
### GP-4201TW - External Dimensions

Unit: mm [in.]



### GP-4201TW - Cut-Out Dimensions

Unit: mm [in.]



A	B	C	R
118.5 mm (+1, -0 mm) (4.67 in [+0.04, -0 in.])	92.5 mm (+1, -0 mm) (3.64 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
PFXGP4201TADW	<b>GP-4201TW</b> : 3.5" TFT Color Touchscreen (Analog), QVGA, 2x Serial, 2x USB, 24VDC, UL/CE

### Optional Items

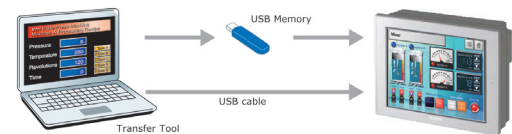
Part Number	Product Name
PFXZCBWG41	Replacement Gasket for 3.5" GP4000 (Qty 1)
CA6-DFS4-01	3.5-inch Screen Protection Sheet
GP-Pro EX (EX-ED-Vx)	Screen and Logic Development Software (ver 3.0 or newer)
PLC Cables & Accessories	See AGP3000 Connectivity Document

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

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### 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>

**Pro-face America**  
 Phone: 734.477.0600  
 Fax: 734.864.7347  
[www.profaceamerica.com](http://www.profaceamerica.com)

**Customer Service Hotline: 800.289.9266**

For more information

**ACCESS**

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## Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

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**⚠ ADVERTENCIA:** Este producto puede exponerle a químicos incluyendo plomo y compuestos de plomo, que es (son) conocido(s) por el Estado de California como causante(s) de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información, visite : [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**⚠ AVERTISSEMENT:** Ce produit peut vous exposer à des agents chimiques, y compris plomb et composés de plomb, identifiés par l'État de Californie comme pouvant causer le cancer et des malformations congénitales ou autres troubles de l'appareil reproducteur. Pour de plus amples informations, prière de consulter: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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