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Interfaces Opérateurs Graphiques

# Série GP4000 Spécifications



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## Specification of PFXGP4301TADW

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**PFXGP4301TADW**

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### GP-4301TW

Modèle: PFXGP4301TADW



High Definition LCD

Analog Touch Panel

Serial×2

Ethernet

USB

SD Card

Alarm Analysis Function

Coated Models:PFXGP4301TADWC

TFT Color LCD (65,536 Couleurs) / Résolution: QVGA

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### Spécifications Fonctionnelles

|                                 |  |   |
|---------------------------------|--|---|
| Type écran                      | TFT Color LCD  |   |
| Taille écran                    | 5.7"   |   |
| Résolution                      | 320 x 240 pixels (QVGA)  |   |
| Taille réelle d'affichage       | W115.2 x H86.4 mm [W4.54 x H3.40 in.]  |   |
| Couleurs écran                  | 65,536 Colors (No blink)/16,384 Colors (Blink)   |   |
| Rétro-éclairage                 | White LED (User nonreplaceable parts. When replacement is required, contact your local distributor.)   |   |
| Contrôle de luminosité          | 8 Levels (Adjusted with the touch panel of the software)   |   |
| Durée de vie du rétro-éclairage | 50,000 hrs. or more (continuous operation at 25°C [77 °F] before backlight brightness decreases to 50%)  |   |
| Polices (langues)               | Japanese: 6,962 (JIS Standards 1 & 2) (including 607 non-kanji characters) ANK: 158 (Korean fonts, Simplified Chinese and Traditional Chinese fonts are downloadable.) |   |
| Taille des caractères           | Standard font: 8 x 8, 8 x 16, 16 x 16 and 32 x 32 pixel fonts, Stroke font: 6 to 127 pixel fonts, Image font: 8 to 72 pixel fonts                                      |   |
| Taille des polices              | Standard font: Width can be expanded up to 8 times. Height can be expanded up to 8 times.*1  |   |
| Texte                           | 8 x 8 pixels   | 40 char. x 30 rows                                |
|                                 | 8 x 16 pixels  | 40 char. x 15 rows                                |
|                                 | 16 x 16 pixels   | 20 char. x 15 rows                                |
|                                 | 32 x 32 pixels   | 10 char. x 7 rows                                 |
| Mémoire automate                | Zone de variables  | None  |
|                                 | Zone du programme logique  | FLASH EPROM 132 KB (Equivalent to 15,000 steps)*2 |
| Mémoire application             | FLASH EPROM 8 MB (including a logic program area)  |   |
| Sauvegarde de données           | SRAM 128 KB (Rechargeable Lithium battery for backup memory)   |   |
| Précision horloge               | ±65 sec/month (deviation at room temperature and power is OFF)*3   |   |
| Type de dalle tactile           | Resistive Film (analog)  |   |
| Résolution dalle tactile        | 1,024 x 1,024  |   |
| Durée de vie dalle tactile      | 1,000,000 times or more  |   |

|                  |                          |  |
|------------------|--------------------------|--|
| <b>Interface</b> | <b>Port série (COM1)</b> | RS-232C Asynchronous Transmission Data Length: 7 or 8 bits, Parity: none, Odd or Even, Stop Bit: 1 or 2 bits, Data Transmission Speed: 2,400 bps to 115.2 kbps, Connector: D-Sub9 (plug)                   |
|                  | <b>Port série (COM2)</b> | RS-422/485 Asynchronous Transmission Data Length: 7 or 8 bits, Parity: none, Even or Odd Stop Bit: 1 or 2 bits, Data Transmission Speed: 2,400 bps to 115.2 kbps, 187.5kbps (MPI) Connector: D-Sub9 (plug) |
|                  | <b>Ethernet (LAN)</b>    | IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX Connector: Modular jack (RJ-45) x 1   |
|                  | <b>USB (TYPE-A)</b>      | Conforms to USB2.0 (TYPE-A) x 1, Power Supply Voltage: DC 5 V ±5 %, Output Current: 500 mA or less, Communication Distance: 5 m [16.4ft.] or less  |
|                  | <b>USB (mini-B)</b>      | Conforms to USB2.0 (mini-B) x 1, Communication Distance: 5 m [16.4ft.] or less   |
|                  | <b>SD CARD</b>           | None   |


\*1 Other font sizes can be set up with the Editor software.

\*2 Up to 60,000 steps can be converted in software. However, this reduces application memory capacity (for screen data) by 1 MB.

\*3 Depending on the operating temperature and age of unit, the clock can deviate from -380 to +90 sec/month. For systems where this level of deviation is a problem, the user should monitor and make adjustments when required.

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### Spécifications Techniques générales

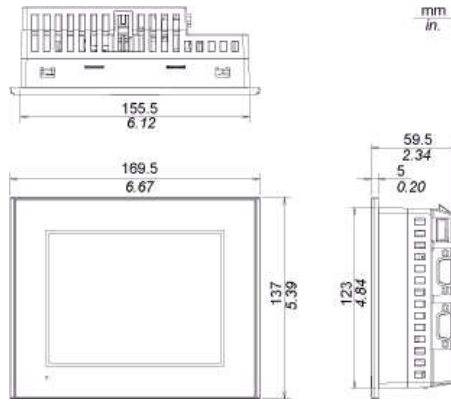
|   |  |
|---|--|
| <b>Normes de sécurité internationales</b>   |    |
| <b>Plage de tension nominale</b>            | DC 24 V  |
| <b>Plage de tension en entrée</b>           | DC 19.2 to 28.8 V  |
| <b>Variation de tension admise</b>          | 5 ms or less   |
| <b>Consommation électrique</b>              | 10.5 W or less   |
| <b>Courant d'appel</b>                      | 30 A or less   |
| <b>Tenue aux variations de tension</b>      | AC 1,000 V, 20 mA for 1 min (between charging and FG terminals)  |
| <b>Resistance d'isolement</b>               | DC 500 V, 10 MΩ or more (between charging and FG terminals)  |
| <b>Température ambiante</b>                 | 0 to 50 °C [32 to 122 °F]  |
| <b>Température (stockage)</b>               | -20 to 60 °C [-4 to 140 °F]  |
| <b>Humidité ambiante</b>                    | 10 to 90 % RH (Wet bulb temperature: 39 °C [102.2 °F] or less - no condensation.)  |
| <b>Humidité (stockage)</b>                  | 10 to 90 % RH (Wet bulb temperature: 39 °C [102.2 °F] or less - no condensation.)  |
| <b>Poussière</b>                            | 0.1 mg/m <sup>3</sup> (10 <sup>-7</sup> oz/ft <sup>3</sup> ) or less (non-conductive levels)   |
| <b>Degré de pollution</b>                   | For use in Pollution Degree 2 environment  |
| <b>Atmosphère</b>                           | Free of corrosive gases  |
| <b>Pression d'air (plage d'altitude)</b>    | 800 to 1,114 hPa (2,000 m [6,561ft.] above sea level or less)  |
| <b>Tenue aux vibrations</b>                 | 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/s <sup>2</sup> , X, Y, Z directions for 10 cycles (approx. 100 min) |
| <b>Concussion Resistance</b>                | IEC/EN61131-2 compliant 147 m/s <sup>2</sup> , X, Y, Z directions for 3 times  |
| <b>Immunité au bruit</b>                    | Noise Voltage: 1,000 Vp-p, Pulse Duration: 1 μs, Rise Time: 1 ns (via noise simulator)   |
| <b>Tenue aux décharges électrostatiques</b> | Contact Discharge Method: 6 kV (IEC/EN61000-4-2 Level 3)   |
| <b>Mise à la masse</b>                      | Functional grounding: Grounding resistance of 100Ω, 2mm <sup>2</sup> (AWG 14) or thicker wire, or your country's applicable standard. (Same for FG and SG terminals)             |
| <b>Structure</b>                            | IP65f NEMA #250 TYPE 4X/13 (on the front panel when properly installed in an enclosure)*4  |
| <b>Méthode de refroidissement</b>           | Natural air circulation  |
| <b>Poids</b>                                | 0.8 kg [1.8 lb] or less (display unit only)  |
| <b>Dimensions externes</b>                  | W169.5 x H137 x D59.5 mm [W6.67 x H5.39 x D2.34 in.]   |

|   |   |
|---|---|
| <b>Dimensions pour découpe du panneau</b> | W156 x H123.5 mm [W6.14 x H4.86 in.], Panel thickness area: 1.6 to 5 mm [0.06 to 0.2 in.]*5 |
|---|---|

- \*4 The front face of the GP unit, installed in a solid panel, has been tested using conditions equivalent to the standards shown in the specification. Even though the GP unit's level of resistance is equivalent to these standards, oils that should have no effect.
- \*5 Regarding dimensional tolerance, everything  $\pm 0.1$  mm [ $\pm 0.004$  in.] and R in angle are below R3 [R0.12 in.]. Even if the installation wall thickness is within the recommended range for the "Panel Cut Dimensions", depending on wall's material, size, and installation location of GP unit and other devices, the installation wall could warp. To prevent warping, the installation surface may need to be strengthened.

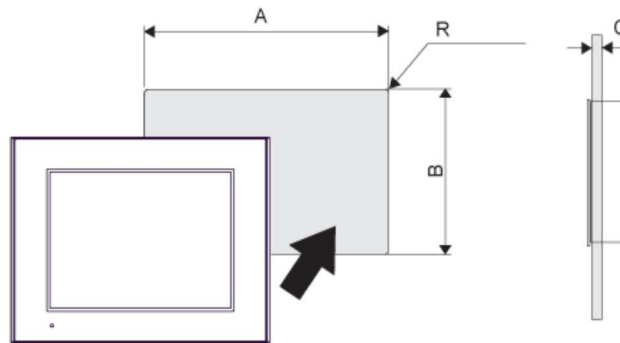
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### External Dimensions



[Zoom](#)

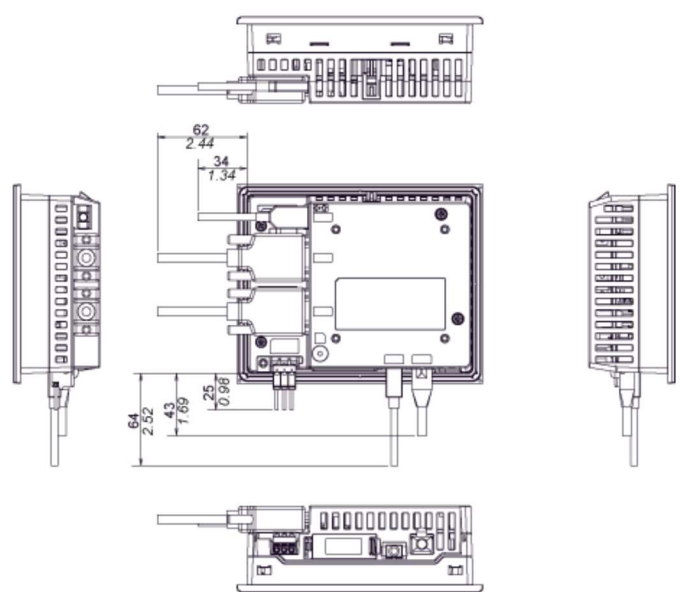
### Panel Cut-out



| A  | B   | C                              | R                          |
|--|---|--------------------------------|----------------------------|
| 156 mm (+1/-0) mm<br>(6.14 in [+0.04, -0 in.]) | 123.5 mm (+1, -0 mm)<br>(4.86 in [+0.04, -0 in.]) | 1.6...5 mm<br>(0.06...0.2 in.) | 3 mm (0.12 in.)<br>maximum |

### External Dimensions with cables

$\frac{\text{mm}}{\text{in.}}$



Zoom

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